

Program

Room S1

Noyori Conference Hall Conference Hall

CSJ Public Lecture

Sunday, March 30, PM

Chair: SHINOKUBO, Hiroshi (13:10~14:00)

4S1-01 CSJ Public Lecture The 21st century belongs to nanocarbons (Grad. Sch. Sci., Nagoya Univ.) SHINOHARA, Hisanori (13:10~14:00)

Chair: GOTO, Kei (14:00~14:50)

4S1-02 CSJ Public Lecture Search for the New Elements - A Modern Alchemy - (Fac. Sci., Kyushu Univ.) MORITA, Kousuke (14:00~14:50)

Chair: INOUE, Masayuki (15:00~15:50)

4S1-03 CSJ Public Lecture Symbiosis and Biodiversity (AIST) FUKATSU, Takema (15:00~15:50)

Chair: INOUE, Masayuki (15:50~16:40)

4S1-04 CSJ Public Lecture Let's put Sleeping sickness to sleep - Drug from Japan to Africa - (Grad. Sch. Med., The Univ. of Tokyo) KITA, Kiyoshi (15:50~16:40)

Room S2

Toyoda Auditorium/Symposium Toyoda Auditorium Hall

CSJ Award Presentation

Thursday, March 27, AM

Chair: HIRAMA, Masahiro (11:00~12:00)

1S2-01 CSJ Award Presentation Development of Novel Synthetic Organic Reactions by the Use of Group 4-7 Metals (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) TAKAI, Kazuhiko (11:00~12:00)

Thursday, March 27, PM

Chair: FUKUZUMI, Shunichi (13:00~14:00)

1S2-02 CSJ Award Presentation Theoretical and Computational Study of Geometries and Reactions of Complex Systems Including Transition Metal Element (Kyoto Univ.) SAKAKI, Shigeyoshi (13:00~14:00)

Chair: HANABUSA, Kenji (14:30~15:30)

1S2-03 CSJ Award Presentation Synthesis of Organic Radical Polymers and Development of Their Functionalities (Fac. Sci. Eng., Waseda Univ.) NISHIDE, Hiroyuki (14:30~15:30)

Saturday, March 29, PM

Chair: HOSONO, Hideo (13:00~14:00)

3S2-01 CSJ Award Presentation Development of Highly Efficient Catalysts Based on Molecular Metal Oxide Clusters (Grad. Sch. Eng., The Univ. of Tokyo) MIZUNO, Noritaka (13:00~14:00)

Chair: FUJITA, Makoto (14:30~15:30)

3S2-02 CSJ Award Presentation Creation of Highly Elaborated π -Space with Novel Nanocarbon Material and Extending Its Functionality (University of Tsukuba, Professor Emeritus) AKASAKA, Takeshi (14:30~15:30)

Room S3

School of Engineering - Bldg. 1 121

Molecular Science for Complex Systems: Theoretical Approach

Thursday, March 27, PM

Chair: MORITA, Akihiro (13:30~14:30)

1S3-01 Special Lecture Functional regulation of proteins and protein assemblies using their softness (IMCB, The Univ. of Tokyo) KITAO, Akio (13:30~14:00)

1S3-02 Special Lecture Crucial role of protein conformational flexibility in Enzyme Catalysis (Grad. Sch. Sci., Kyoto Univ.) HAYASHI, Shigehiko (14:00~14:30)

Chair: HAYASHI, Shigehiko (14:30~15:30)

1S3-03 Special Lecture Free Energy Calculations for Chemical Reactions in Biological Systems with Massively Parallelized QM/MM Approach. (Grad. Sch. Sci., Tohoku Univ.) TAKAHASHI, Hideaki (14:30~15:00)

1S3-04 Special Lecture First Principle Simulations on Photochemical Processes and Free Energy Analysis (CRC, Hokkaido Univ.) NAKAYAMA, Akira (15:00~15:30)

Chair: KITAO, Akio (16:00~17:30)

1S3-05 Special Lecture Flexibility and Function of Lipid Membranes: A Molecular Dynamics Study (Grad. Sch. Eng., Nagoya Univ.) SHINODA, Wataru (16:00~16:30)

1S3-06 Special Lecture Emergence of complex dynamics from simple molecules - Phase transition dynamics of water - (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MATSUMOTO, Masakazu (16:30~17:00)

1S3-07 Special Lecture (17:00~17:30)

Room S4

School of Engineering - Bldg. 1 131

New Paradigm of Electronics: Toward the Development of Low Power Consumption Devices Based on Functional Two Dimensional Materials of Atomic Level Thickness

Thursday, March 27, PM

(13:30~13:35)

1S4-01 Special Lecture Opening Remarks (Grad. Sch. Eng. Sci., Osaka Univ.) TOBE, Yoshito (13:30~13:35)

Chair: TOBE, Yoshito (13:35~15:10)

1S4-02 Special Lecture Interfacial Synthesis of Metal Complex Nanosheets and Their Electronic Functions (Grad. Sch. Sci., The Univ. of Tokyo) NISHIHARA, Hiroshi (13:35~14:10)

1S4-03 Special Lecture Silicene: Synthesis and Characterization of Monolayer Silicon Sheet with π electrons (Sch. Mat. Sci., JAIST) YAMADA-TAKAMURA, Yukiko (14:10~14:45)

1S4-04 Special Lecture Electronic Properties of Graphene and Possibility of Its Development toward Devices (Grad. Sch. Eng., Kyoto Univ.) TANAKA, Kazuyoshi (14:45~15:10)

Chair: TANAKA, Kazuyoshi (15:20~17:05)

1S4-05 Special Lecture Nano-optical Science of Nano-carbon and Atomically-thin Materials and their Application (Kyoto Univ. Institute of Advanced Energy) MATSUDA, Kazunari (15:20~15:55)

1S4-06 Special Lecture Catalytic Growth of High Quality Graphene for Electronics Applications (Kyushu Univ. IMCE) AGO, Hiroki (15:55~16:30)

1S4-07 Special Lecture Development Li-Air Battery Based on Graphene and Carbon Nanotube (ETRI, AIST) ZHOU, Haoshen; ZHANG, Tao (16:30~17:05)

Room S5

Law & Economics Shared Facilities
Bldg.

Chemical Biology

Thursday, March 27, AM

Chair: KIGOSHI, Hideo (9 : 00 ~ 10 : 20)

- 1S5-01 Special Lecture** Opening Remarks (ISIR, Osaka Univ.) NAKATANI, Kazuhiko (09:00~09:05)
- 1S5-02 Special Lecture** Regulation of function of nucleic acids using ionic liquids (Konan Univ. FIBER) TATEISHI, Hisae (09:05~09:30)
- 1S5-03 Special Lecture** Synthesis of nonstandard peptides by using artificial biosynthetic systems (Grad. Sch. Sci., The Univ. of Tokyo) GOTO, Yuki; YAMAGISHI, Yusuke; KATO, Takayuki; SUGA, Hiroaki (09:30~09:55)
- 1S5-04 Special Lecture** Exploring small-molecule ligands that regulate RNA structures and functions (ISIR, Osaka Univ.) MURATA, Asako (09:55~10:20)

Chair: NAKATANI, Kazuhiko (10 : 20~11 : 20)

- 1S5-05 Special Lecture** New Approach for Cell Regulation by Synthetic Small Molecules: Self-Localizing Ligands are Exciting Now! (Nagaoka Univ. of Tech. TRI) TSUKIJI, Shinya (10:20~10:50)
- 1S5-06 Special Lecture** Recent Advances in the Study of Actin-Targeting Natural Products (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KITA, Masaki (10:50~11:20)

Chair: SUGIMOTO, Naoki (11 : 20~12 : 30)

- 1S5-07 Special Lecture** Module assembly for designing mid-sized inhibitors and probes for protein-protein interactions (ICR, Kyoto Univ.) OHKANDA, Junko (11:20~11:50)
- 1S5-08 Special Lecture** Challenges toward In Vivo Organic Chemistry (Grad. Sch. Eng., The Univ. of Tokyo; JST CREST; IFRC, Kyushu Univ.) SANDO, Shinsuke (11:50~12:20)
- 1S5-09 Special Lecture** Summary (ISIR, Osaka Univ.) NAKATANI, Kazuhiko (12:20~12:30)

Challenge for Reconstitution of Biosynthetic Machinery of Bioactive Natural Products

Sunday, March 30, PM

Chair: MURATA, Michio (13 : 30~13 : 55)

- 4S5-01 Special Program Lecture** Opening Remarks (Hokkaido Univ.) OIKAWA, Hideaki (13:30~13:35)
- 4S5-02 Special Program Lecture** Novel biosynthetic pathways found by genetic information (Hokkaido Univ. Department of Chemistry, Graduate School of Science) OIKAWA, Hideaki (13:35~13:55)

Chair: KITA, Masaki (13 : 55~14 : 45)

- 4S5-03[#] Special Program Lecture** Exciting New Enzymes From Fungal Biosynthetic Pathways (Uin. of California, Los Angeles) YI, Tang (13:55~14:25)
- 4S5-04 Special Program Lecture** Biosynthesis of Fungal Meroterpenoids (Grad. Sch. Pharm., The Univ. of Tokyo) ABE, Ikuro (14:25~14:45)

Chair: UEDA, Minoru (14 : 45~15 : 35)

- 4S5-05[#] Special Program Lecture** Semi-synthetic artemisinin: Using synthetic biology to increase the supply of a crucial antimalarial drug (Amyris, Inc.) MICHAEL, Leavell (14:45~15:15)
- 4S5-06 Special Program Lecture** Combinatorial biosynthesis of natural and rare triterpenoids in engineered yeast and plant (Osaka Univ.) MURANAKA, Toshiya (15:15~15:35)

Chair: CHIDA, Noritaka (15 : 35~16 : 15)

- 4S5-07 Special Program Lecture** Large-scale studies for heterologous expression of microbial secondary metabolites (AIST Biomedical Research Institute) SHINYA, Kazuo (15:35~15:55)
- 4S5-08 Special Program Lecture** Biosynthesis of Macrolactam Antibiotics (Grad. Sch. Sci., Eng., Tokyo Tech) EGUCHI, Tadashi (15:55~16:15)

Room S6

Law & Economics Shared Facilities
Bldg.

Crystallography in Chemistry - International Year of Crystallography 2014

Thursday, March 27, AM

(9 : 30 ~ 9 : 40)

- 1S6-01 Special Program Lecture** Introduction (Grad. Sch. Sci., Eng., Tokyo Tech) UEKUSA, Hidehiro (09:30~09:40)

Chair: UEKUSA, Hidehiro (9 : 40 ~ 10 : 30)

- 1S6-02 Special Program Lecture** On International Year of Crystallography(IYCr) 2014 (JASRI) SAKATA, Makoto (09:40~10:00)
- 1S6-03 Special Program Lecture** A Centenary of Modern Crystallography and the Future Development (Tokyo Tech Professor Emeritus) OHASHI, Yuji (10:00~10:30)

Chair: MUTAI, Toshiaki (10 : 30~11 : 30)

- 1S6-04 Special Program Lecture** Chemical Crystallography - Seeing dynamic structure rearrangement in molecular crystal (Grad. Sch. Sci., Eng., Tokyo Tech) UEKUSA, Hidehiro (10:30~11:00)
- 1S6-05 Special Program Lecture** Crystallography in Biological Chemistry (IPR, Osaka Univ.) KURISU, Genji (11:00~11:30)

Chair: KURISU, Genji (11 : 30~12 : 00)

- 1S6-06 Special Program Lecture** Pressure induced intermetallic charge transfer in BiNiO₃ observe by neutron powder diffraction and its application for giant negative thermal expansion (MSL, Tokyo Tech) AZUMA, Masaki (11:30~12:00)

The evolution of Organocatalysts

Thursday, March 27, PM

Chair: NAGASAWA, Kazuo (13 : 30~15 : 00)

- 1S6-07 Special Program Lecture** The purpose of Special Program "The Evolution of Organocatalysts" (Grad. Sch. Sci., Tohoku Univ.) TERADA, Masahiro (13:30~13:40)
- 1S6-08 Special Program Lecture** Mechanisms and Origins of Stereocontrol in Chiral Phosphoric Acid Catalyzed Asymmetric Reactions (Rikkyo Univ. Department of Chemistry) YAMANAKA, Masahiro (13:40~14:00)
- 1S6-09 Special Program Lecture** Design of Brønsted Acid and Selective Reactions (Grad. Sch. Sci., Tohoku Univ.) MOMIYAMA, Norie (14:00~14:20)
- 1S6-10 Special Program Lecture** Phase-Transfer-Catalyzed Asymmetric Synthesis of Axially Chiral Compounds (Grad. Sch. Sci., Kyoto Univ.) SHIRAKAWA, Seiji (14:20~14:40)
- 1S6-11 Special Program Lecture** Organic Molecular Catalysts Using Pillar-shaped Macrocyclic Hosts Pillar[n]arenes (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) OGOSHI, Tomoki (14:40~15:00)

Chair: HAYASHI, Yujiro (15 : 10~16 : 30)

- 1S6-12 Special Program Lecture** Innovative Design of Molecular Catalysts by Using Chiral 1,1'-Binaphthyl-2,2'-disulfonic Acid (BINSAs) (Grad. Sch. Eng., Nagoya Univ.) HATANNO, Manabu (15:10~15:30)
- 1S6-13 Special Program Lecture** Selective Oxygenation of Benzene to Phenol by Organophotocatalysts (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) OHKUBO, Kei (15:30~15:50)
- 1S6-14[#] Special Program Lecture** Photochemical Organocatalytic Reactions (ICIQ, Institute of Chemical Research of Catalonia, Spain) MELCHIORRE, Paolo (15:50~16:30)

Photonic Molecular Science based on Molecular Symbiotec

Sunday, March 30, AM

Chair: ABE, Jiro (9 : 30 ~ 10 : 30)

- 4S6-01 Special Program Lecture** Photonic Molecular Science based on Molecular Symbiosis (Grad. Sch. Mat. Sci., NAIST) KAWAI, Tsuyoshi (09:30~09:35)
- 4S6-02 Special Program Lecture** Circularly Polarized Blue Luminescent Spherulites Consisting of Hierarchically Assembled Ionic Conjugated Polymers with a Helically π -Stacked Structure (Grad. Sch. Eng., Kyoto Univ.) AKAGI, Kazuo (09:35~10:00)
- 4S6-03 Special Program Lecture** Photo Doping of Conductive Polymer with Photo Acid Generator and Its Application to Organic Thermoelectric Material (FUJIFILM Corp.) AOAI, Toshiaki; NISHIO, Ryo; HAYASHI,

Naoyuki; TAKAHASHI, Eri; MARUYAMA, Yoichi (10:00~10:15)
4S6-04 Special Program Lecture Photoinduced Mass Transport Observed for Azobenzene-based Molecular Glasses (MURORAN INST. OF TECH.) NAKANO, Hideyuki (10:15~10:30)

Chair: KAWAI, Tsuyoshi (10 : 40~12 : 30)

4S6-05 Special Program Lecture Properties and Reactivity of Photochromic Molecules Controlled by their Molecular Environment (Grad. Fac. Eng., Yokohama Natl. Univ.) YOKOYAMA, Yasushi (10:40~10:55)

4S6-06 Special Program Lecture Dynamics of cooperative photochemical reaction of organic nanoparticle (Ehime Univ. Ehime Uni.) ASAHI, Tsuyoshi (10:55~11:10)

4S6-07 Special Program Lecture Functional Surfaces Produced by Photoinduced Crystal Growth (Ryukoku Univ. Faculty of Science and Technology) UCHIDA, Kingo (11:10~11:25)

4S6-08 Special Program Lecture Fast and Negative Photochromism of Bridged-Imidazole Dimers (Aoyama Gakuin Univ. Department of Chemistry) ABE, Jiro (11:35~11:50)

4S6-09 Special Program Lecture Structural Change of Self-Assembled Alignment by Photochromism (Grad. Sch. Eng., Kyoto Univ.) MATSUDA, Kenji (11:50~12:05)

4S6-10 Special Program Lecture New functionalities induced by multiple photo-processes. (Grad. Sch. Eng. Sci., Osaka Univ.) MIYASAKA, Hiroshi (12:05~12:30)

Luminescence Chemistry Ensemble: Innovative Luminescence Chemistry Based on Novel Scientific Principles

Sunday, March 30, PM

(13 : 30~13 : 35)

4S6-11 Special Program Lecture Keynote for Luminescence Chemistry Ensemble: Innovative Luminescence Chemistry Based on Novel Scientific Principles (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) HIRANO, Takashi (13:30~13:35)

Chair: ITO, Hajime (13 : 35~14 : 00)

4S6-12 Special Program Lecture Advanced Materials Chemistry using Luminescent Lanthanide Complexes (Grad. Fac. Eng., Hokkaido Univ.) HASEGAWA, Yasuchika (13:35~14:00)

Chair: MAKI, Shojiro (14 : 00~14 : 25)

4S6-13 Special Program Lecture Structural Basis of Protein for Bioluminescence (Grad. Sch. Pharm. Sci., Kyoto Univ.) NAKATSU, Toru (14:00~14:25)

Chair: AMIMOTO, Kiichi (14 : 25~14 : 50)

4S6-14 Special Program Lecture Two-way Controllable Photoluminescence of Organic Supramolecule (IIS, The Univ. of Tokyo) MUTAI, Toshiki (14:25~14:50)

Chair: KONISHI, Gen-ichi (14 : 50~15 : 15)

4S6-15 Special Program Lecture Development of Organic Luminescence Materials Based on the Management of their Excited-states (ICR, Kyoto Univ.) WAKAMIYA, Atsushi (14:50~15:15)

Chair: NAKANO, Masayoshi (15 : 15~15 : 40)

4S6-16 Special Program Lecture Research and Development in Chemicals Companies for Luminescence Materials with Quantum Chemical Calculation (JACI; KANEKA CORP.) SAITO, Ken (15:15~15:40)

Chair: TSUJI, Hayato (15 : 40~16 : 05)

4S6-17 Special Program Lecture Triplet-Triplet Fluorescence of the Excited Biradicals Leading to Thermoluminescence and Organic Radical Light-emitting Diode (Grad. Sch. Eng., Osaka Pref. Univ.) IKEDA, Hiroshi (15:40~16:05)

Chair: OHBA, Yoshihiro (16 : 05~16 : 30)

4S6-18 Special Program Lecture Molecular design of thermally activated delayed fluorescence and their application for OLEDs (Grad. Sch. Eng., Kyushu Univ.) ADACHI, Chihaya; SHIZU, Katsuyuki; NAKANOTANI, Hajime (16:05~16:30)

Room S7

Law & Economics Shared Facilities
Bldg. Conference Hall

Frontiers of Artificial Photosynthesis JST PRESTO Project "Chemical Conversion of Light Energy"

Thursday, March 27, AM

(9 : 30 ~ 12 : 10)

1S7-01# Opening Remarks (Tokyo Metro. Univ.) INOUE, Haruo (09:30~09:40)

1S7-02# Activating solar energy functions in perovskite-type metal oxides (CALTECH) YAMAZAKI, Yoshihiro (09:40~10:10)

1S7-03# In situ characterization of photo energy conversion processes at solid/liquid interfaces (NIMS) NOGUCHI, Hidenori (10:10~10:40)

1S7-04# Metal Binding by Organic Dyes under Chemical and Photochemical Control (Inst. Mol. Sci.) MURAHASHI, Tetsuro (10:40~11:10)

1S7-05# Development of Light-energy and Molecular Material Conversion Catalysts Constructed inside a Cage-type Molecule (Osaka Univ.) FUNAHASHI, Yasuhiro (11:10~11:40)

1S7-06# Creation of highly efficient water-splitting photocatalysts through the control of surface band structure (Tokyo Inst.Tech.) MAEDA, Kazuhiko (11:40~12:10)

Thursday, March 27, PM

(13 : 20~18 : 00)

1S7-07# Oral Artificial Photosynthesis- Water Oxidation Is The Key (Royal Institute of Tech. (KTH) , Sweden) SUN, Licheng (13:20~14:10)

1S7-08# Development of highly efficient water oxidation catalysts using polyoxometalates (Hiroshima Univ.) SADAKAE, Masahiro (14:10~14:40)

1S7-09# Optical Trapping and Photochemical Reactions/Energy Conversion at a Plasmonic Nano-Antenna (Osaka City Univ.) Tsuboi, Yasuyuki (14:40~15:10)

1S7-10# Elucidation of regulatory mechanisms of photochemical reaction in photosynthesis to create stable molecular devices (Kyoto Univ.) IFUKU, Kentaro (15:25~15:55)

1S7-11# Elucidation of molecular mechanisms of highly efficient energy conversion and water oxidation by photosynthesis (Ehime Univ.) SUGIURA, Miwa (15:55~16:25)

1S7-12# Artificial metabolic processes powered by photosynthesis (Kanagawa Univ.) NAGASHIMA, kenji V.P. (16:25~16:55)

1S7-13# Multimodal spectral microscope for understanding chloroplast activity and overall cellular physiology in oil-producing algae (Kyoto Univ.) KUMAZAKI, Shigeichi (16:55~17:25)

1S7-14# Super-resolution fluorescence microscopy of biomineralization in diatoms (Yamagata Univ.) HOTTA, Jun-ichi (17:25~17:55)

1S7-15# Closing Remarks (JST) (17:55~18:00)

Frontier of Solar Energy Conversion: artificial photosynthesis and solar battery

Friday, March 28, PM

(13 : 30~13 : 40)

2S7-01 Special Lecture Introductory talk: Scenario to realize solar energy conversion (RIES, Hokkaido Univ.) MISAWA, Hiroaki (13:30~13:40)

Chair: ISHITANI, Osamu (13 : 40~15 : 25)

2S7-02 Special Lecture Plasmon-induced artificial photosynthesis system responding to visible and near-infrared wavelengths (RIES, Hokkaido Univ.) MISAWA, Hiroaki (13:40~14:15)

2S7-03 Special Lecture Organic Photovoltaics: Trends of New Turn from Basic Science to Practical Use Technology (RCAS, The Univ. of Tokyo) SEGAWA, Hiroshi (14:15~14:50)

2S7-04 Special Lecture New Development of Chemical Activation of Water (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) INOUE, Haruo (14:50~15:25)

Chair: KUDO, Akihiko (15 : 35~17 : 20)

2S7-05 Special Lecture Overall Water Splitting Using Semiconductor Photocatalysts under Visible Light Irradiation (Grad. Sch. Eng., The Univ. of Tokyo) DOMEN, Kazunari (15:35~16:10)

2S7-06 Special Lecture Evolution of organic inorganic hybrid solar cells (Grad. Sch. Eng., Toin Univ. of Yokohama) MIYASAKA, Tsutomu (16:10~16:45)

2S7-07 Special Lecture Artificial Photosynthesis - From the viewpoints of pure basic research and of exit oriented research towards sustainable energy (Grad. Sch. Eng., The Univ. of Tokyo) HASHIMOTO, Kazuhito (16:45~17:20)

Room S8

Law & Economics Shared Facilities Bldg.

A New Paradigm for "MONODUKURI": Initiated with Innovative Synthetic Transformations

Thursday, March 27, AM

(9 : 30 ~ 9 : 40)

1S8-01 Special Program Lecture A New Paradigm for "MONODUKURI": Initiated with Innovative Synthetic Transformations: Introduction for Symposium (RIKEN Biofunctional Synthetic Chemistry Laboratory) TANAKA, Katsunori (09:30~09:40)

Chair: NAKAO, Yoshiaki (9 : 40 ~ 10 : 10)

1S8-02 Special Program Lecture Merging Organic Synthesis and Life Science by Catalysis (Grad. Sch. Pharm., The Univ. of Tokyo; JST-ERATO) KANAI, Motomu (09:40~10:10)

Chair: YOKOSHIMA, Satoshi (10 : 10~10 : 40)

1S8-03 Special Program Lecture Ligating Molecules Based on New Chemistries of Strained Alkynes and Azides (IBB, Tokyo Med. and Dental Univ.) HOSOYA, Takamitsu (10:10~10:40)

Chair: HAMURA, Toshiyuki (10 : 40~11 : 00)

1S8-04 Special Program Lecture Asymmetric Synthesis of Chiral Organosilanes (IMCE, Kyushu Univ.) IGAWA, Kazunobu (10:40~11:00)

Chair: OISHI, Shinya (11 : 10~11 : 30)

1S8-05 Special Program Lecture Synthetic Study on Palau' amine for Mechanistic Elucidation (The Univ. of Tokushima) NAMBA, Kosuke (11:10~11:30)

Chair: TSUJI, Hayato (11 : 30~12 : 00)

1S8-06 Special Program Lecture Creation of New Functions on the Basis of Orthogonal Integration of Multiple Functions onto Stimuli Responsive Helical Macromolecules (Grad. Sch. Eng., Kyoto Univ.) SUGINOME, Michinori (11:30~12:00)

Chair: HIRAI, Go (12 : 00~12 : 30)

1S8-07 Special Program Lecture Studies on a Practical Synthesis of ET743 (Nagoya Univ. Graduate School of Pharmaceutical Sciences) FUKUYAMA, Tohru (12:00~12:30)

Biomolecular Chemistry cultivates frontier of future medicine

Thursday, March 27, PM

Chair: AOI, Keigo (13 : 30~14 : 10)

1S8-08 Special Program Lecture J-NIH and Object of Symposium on "Biomolecular Chemistry cultivates frontier of future medicine" (Grad. Sch. Eng., Nagoya Univ.) BABA, Yoshinobu (13:30~13:35)

1S8-09 Special Program Lecture Nanotechnology to Create "the Magic Bullet" for Targeted Cancer Therapy (Grad. Sch. Eng., The Univ. of Tokyo) KATAOKA, Kazunori (13:35~14:10)

Chair: SUGIMOTO, Naoki (14 : 10~14 : 45)

1S8-10 Special Program Lecture Advanced Medical Therapy in Terms of Biomaterials Technology - Regenerative Medicine as One Example (Inst. Frontier Med. Sci., Kyoto Univ.) TABATA, Yasuhiko (14:10~14:45)

Chair: MIHARA, Hisakazu (14 : 45~15 : 20)

1S8-11 Special Program Lecture PET Molecular Imaging for Drug Development from Preclinical to Clinical Stages (Hamamatsu Photonics K. K. Central Research Laboratory) TSUKADA, Hideo (14:45~15:20)

Chair: HAMACHI, Itaru (15 : 20~15 : 55)

1S8-12 Special Program Lecture Rational design of novel fluorescence probes for intraoperative detection of tiny tumors and the leakage of pancreatic juice (The Univ. of Tokyo) URANO, Yasuteru (15:20~15:55)

Chair: FUKASE, Kouichi (15 : 55~16 : 30)

1S8-13 Special Program Lecture Development of next-generation diagnostics technologies based on nano-bio technologies (Toray Industries, Inc. New Projects Development Division_New Frontiers Research Lab) NOBUMASA, Hitoshi; YONEHARA, Tetsu (15:55~16:25)

1S8-14 Special Program Lecture Summary (Toray Industries, Inc. New Frontiers Research Labs) YONEHARA, Tetsu (16:25~16:30)

Special Lecture

Friday, March 28, AM

Chair: SUZUKI, Keisuke (10 : 00~10 : 50)

2S8-01[#] Special Lecture Visible light photoredox catalysis as key step for organic synthesis (Univ. Regensburg) OLIVER, Reiser (10:00~10:50)

Chair: TAMIAMI, Hitoshi (11 : 00~11 : 50)

2S8-02[#] Special Lecture Photosynthetic membrane architecture investigated by mass spectrometric analysis (Washington University in St. Louis) BLANKENSHIP, Robert E. (11:00~11:50)

Elemental Strategy for Materials Science

Friday, March 28, PM

Chair: NOZAKI, Kyoko (13 : 30~14 : 45)

2S8-03 Special Lecture Opening Remarks (Kyoto Univ.) KITAGAWA, Hiroshi (13:30~13:45)

2S8-04 Special Lecture Materials Science for Organic Ferroelectrics (AIST Flexible Electronics Research Center) HORIUCHI, Sachio (13:45~14:15)

2S8-05 Special Lecture Organic Materials for Thermoelectronics: Contribution to the Energy Problem (Fac. Eng., Tokyo Univ. of Sci., Yamaguchi; Tokyo Univ. of Sci., Yamaguchi Advanced Materials Institute) TOSHIMA, Naoki (14:15~14:45)

Chair: YAMAUCHI, Miho (14 : 45~15 : 45)

2S8-06 Special Lecture Useful Functions of hydrogen and High-Pressure Synthesis of Novel Hydrides in Mg and Li Systems (Grad. Sch. Eng., Tohoku Univ.; Now at Hachinohe National Coll. Tech.) OKADA, Masuo; KAMEGAWA, Atsunori (14:45~15:15)

2S8-07 Special Lecture Research Subjects and Perspectives of High-Performance Permanent Magnet Materials Free From Critical Elements (NIMS) HIROSAWA, Satoshi (15:15~15:45)

Chair: KITAGAWA, Hiroshi (15 : 45~17 : 15)

2S8-08 Special Lecture Topological electron materials (RIKEN CEMS) TOKURA, Yoshinori (15:45~16:15)

2S8-09 Special Lecture A Computational Science Approach to the Elements Strategy (Grad. Sch. Sci., The Univ. of Tokyo) TSUNEYUKI, Shinji (16:15~16:45)

2S8-10 Special Lecture Synthesis of Extended Oxide/Chalcogenides based on Coordination Chemistry (Grad. Sch. Eng., Kyoto Univ.) KAGEYAMA, Hiroshi (16:45~17:15)

Performing structures and future of π -conjugated molecules

Sunday, March 30, AM

Chair: HIGUCHI, Masayoshi (9 : 30 ~ 10 : 35)

4S8-01 Special Program Lecture Objectives of the symposium (NIMS Polymer Materials Unit) TAKEUCHI, Masayuki (09:30~09:35)

4S8-02 Special Program Lecture Properties of Buckybowls (IMS CIMoS) SAKURAI, Hidehiro (09:35~09:55)

4S8-03 Special Program Lecture New Structure and Phenomenon Unveiled for π -Conjugated Discotic Molecules Bearing Ionic Group-terminated Side Chains (Chem. Res. Lab., Tokyo Tech) FUKUSHIMA, Takanori (09:55~10:15)

4S8-04 Special Program Lecture Toward Molecular Nanocarbon Science (Nagoya Univ.) ITAMI, Kenichiro (10:15~10:35)

Chair: NAITO, Masanobu (10 : 35~11 : 25)

4S8-05 Special Program Lecture Room Temperature Liquids of π -Conjugated Molecules (NIMS Organic Materials Group) NAKANISHI, Takashi (10:35~10:50)

4S8-06 Special Program Lecture Elaborated Designs of Photofunctional π -Conjugated Skeletons (Nagoya Univ. WPI-ITbM) YAMAGUCHI, Shigehiro (10:50~11:10)

4S8-07 Special Program Lecture Creation of Photofunctional Nano-space Encircled by Self-assembled Anthracene Shells (Chem. Res. Lab., Tokyo Tech) YOSHIZAWA, Michito (11:10~11:25)

Chair: FUNAHASHI, Masahiro (11 : 25~12 : 15)

4S8-08 Special Program Lecture Synthesis of Photoelectronic Func-

tional Molecules and Their Application to Photoelectric Conversion Devices

(Grad. Sch. Sci., The Univ. of Tokyo) MATSUO, Yutaka (11:25~11:40)
4S8-09 Special Program Lecture Supramolecular Design of Stimuli-Reponsive Self-Assembled π -Systems (Grad. Sch. Eng., Chiba Univ.) YAGAI, Shiki (11:40~11:55)

4S8-10 Special Program Lecture Photo-electric conversion of π -conjugated polymers: Molecular engineering based on evaluation technique (Grad. Sch. Eng., Osaka Univ.) SAEKI, Akinori (11:55~12:10)

4S8-11 Special Program Lecture Overview (NIMS Organic Materials Group) NAKANISHI, Takashi (12:10~12:15)

Chemistry of Nanosheets: Synthesis, Functionalization and Applications

Sunday, March 30, PM

Chair: TAKAHASHI, Nobuyuki (13 : 30~15 : 10)

4S8-12 Special Program Lecture Introduction (Grad. Sch. Med., Yamaguchi Univ.) KAWAMATA, Jun (13:30~13:35)

4S8-13 Special Program Lecture Na (NIMS MANA) SASAKI, Takayoshi; EBINA, Yasuo; OSADA, Minoru; MA, Renzhi; OZAWA, Tadashi; SAKAI, Nobuyuki (13:35~14:10)

4S8-14 Special Program Lecture Direct synthesis of nanosheets and their functions (Grad. Sch. Eng., Kyoto Univ.) KAGEYAMA, Hiroshi; YOSHIDA, Yukihiko (14:10~14:40)

4S8-15 Special Program Lecture Polymer Nanosheets for Optoelectronic Applications (IMRAM, Tohoku Univ.) MITSUISHI, Masaya; MIYASHITA, Tokuji (14:40~15:10)

Chair: IDE, Yusuke (15 : 20~16 : 30)

4S8-16 Special Program Lecture Conducting Nanosheet as Electrochemical Capacitor Electrodes (Fac. Textile Sci. Technol., Shinshu Univ.) SUGIMOTO, Wataru (15:20~15:50)

4S8-17 Special Program Lecture Graphene Oxide Nanosheet (Grad. Sch. Sci. Technol., Kumamoto Univ.) MATSUMOTO, Yasumichi (15:50~16:25)

4S8-18 Special Program Lecture Summary (KIT) NAKATO, Teruyuki (16:25~16:30)

Room S9

Law & Economics Shared Facilities
Bldg.

Optical Manipulation for the Nano-Material Era

Thursday, March 27, AM

Chair: TSUBOI, Yasuyuki (9 : 30 ~11 : 15)

1S9-01 Special Program Lecture Opening Remarks (Hokkaido Univ.) MURAKOSHI, Kei (09:30~09:35)

1S9-02 Special Program Lecture Resonant Optical Manipulation by Linear and Nonlinear Optical Effect (Grad. Sch. Eng., Osaka Pref. Univ.) ISHIIHARA, Hajime (09:35~10:00)

1S9-03 Special Program Lecture Nonlinear Optical Manipulation (Institute for Molecular Science Department of Photo-Molecular Science) OKAMOTO, Hiromi (10:00~10:25)

1S9-04 Special Program Lecture A Novel Application of Optical Manipulation to Biological Science (HRI, AIST) HOSOKAWA, Chie (10:25~10:50)

1S9-05 Special Program Lecture Optical Properties of Plasmonic Crystals toward Ultrasensitive Sensing (FUJIFILM Corporation Analysis Technology Center, R&D Management Headquarters) SUGAWARA, Yoshihiro; TAWA, Keiko; NISHII, Junji (10:50~11:15)

Chair: OKAMOTO, Hiromi (11 : 15~12 : 30)

1S9-06 Special Program Lecture Super-Resolution Optical Tweezers and Dynamic Manipulation of Nanomaterials (RIES, Hokkaido Univ.) SASAKI, Keiji (11:15~11:40)

1S9-07 Special Program Lecture Resonant Optical Manipulation and Plasmonic Optical Tweezer (Grad. Sch. Sci., Osaka City Univ.) TSUBOI, Yasuyuki (11:40~12:05)

1S9-08 Special Program Lecture Optical Manipulation of A Small Number of Molecules by Localized Plasmon (Fac. Sci., Hokkaido Univ.) MURAKOSHI, Kei (12:05~12:25)

1S9-09 Special Program Lecture Closing Remarks : A future view (Grad. Sch. Sci., Osaka City Univ.) TSUBOI, Yasuyuki (12:25~12:30)

Interaction of Light and Matter: From Basics to Photonic Materials and Devices

Thursday, March 27, PM

Chair: ASANO, Motoko (13 : 30~14 : 25)

1S9-10 Special Program Lecture Introduction: Interaction of Light and Matter (Coll. Sci. Tech., Nihon Univ.) OTSUKI, Joe (13:30~13:35)

1S9-11 Special Program Lecture Intermolecular Interactions and Their Functions Observed by Advanced Molecular Spectroscopy (Fac. Sci., Univ. of Toyama) IWAMURA, Munetaka (13:35~14:00)

1S9-12 Special Program Lecture Realtime and In-situ Observation of Photo-functional Materials Using Ultrashort Pulse Lasers (Tokyo Tech Tokyo Tech.) ONDA, Ken (14:00~14:25)

Chair: TSUBOMURA, Taro (14 : 25~15 : 25)

1S9-13 Special Program Lecture All-optical spin manipulation by ultra-short pulsed laser (Coll. Sci. Tech., Nihon Univ.) TSUKAMOTO, Arata (14:25~14:55)

1S9-14 Special Program Lecture Enhanced circularly polarized luminescence of molecular self-organized structures and their applications (Grad. Sch. Mat. Sci., NAIST) KAWAI, Tsuyoshi (14:55~15:25)

Chair: ISHII, Kazuyuki (15 : 25~16 : 30)

1S9-15 Special Program Lecture Metamaterial Composed of Nanodisks Dispersed in Monolayer: Near Infrared Selective Reflection Film (FUJIFILM Corp.) TANI, Takeharu (15:25~15:55)

1S9-16 Special Program Lecture Ultra-thin and -lightweight Organic LEDs and Organic Solar Cells for Sensor Applications (Grad. Sch. Eng., The Univ. of Tokyo) SEKITANI, Tsuyoshi; Martin, Kaltenbrunner; YOKOTA, Tomoyuki; SOMEYA, Takao (15:55~16:25)

1S9-17 Special Program Lecture Closing Remark: Interplay of Basic Research and Applied Research (Grad. Sch. Sci., Kitasato Univ.; JST-PRESTO) ISHIDA, Hitoshi (16:25~16:30)

Coordination Synergy: Higher functions based on flexible structures and electronic

Friday, March 28, PM

Chair: TERANISHI, Toshiharu (13 : 30~15 : 20)

2S9-01 Special Lecture Opening Remarks (Univ. of Tsukuba) OSHIO, Hiroki (13:30~13:40)

2S9-02 Special Lecture New Soft-Nanomaterials Self-Assembled from Metal Complexes and their Functions (Kyushu Univ. Graduate School of Engineering) KIMIZUKA, Nobuo (13:40~14:05)

2S9-03 Special Lecture Creation of Polymer Materials Using Coordination Synergy Frameworks (Kyoto Univ. Department of Synthetic ChemisGraduate School of Engineering; JST CREST) UEMURA, Takashi (14:05~14:30)

2S9-04 Special Lecture Construction of Multifunctional Spaces Creating Coordination Synergy (Grad. Sch. Sci., The Univ. of Tokyo) SHIONOYA, Mitsuhiro (14:30~14:55)

2S9-05 Special Lecture A search for coordination synergy in metal complexes. (Univ. of Tsukuba) OSHIO, Hiroki (14:55~15:20)

Chair: OSHIO, Hiroki (15 : 20~16 : 45)

2S9-06 Special Lecture Coordination design of biomolecular functions (Grad. Sch. Biosci. Biotech., Tokyo Tech) UENO, Takafumi (15:20~15:45)

2S9-07 Special Lecture Creation and Synergistic Function of Novel Solid-Solution Alloys and Metal Nanoparticles/Metal-Organic Frameworks (Grad. Sch. Sci., Kyoto Univ.) KOBAYASHI, Hirokazu (15:45~16:10)

2S9-08 Special Lecture Development of Synergistic Functions Induced by π -Metal Coupling (ICR, Kyoto Univ.; JST CREST) TERANISHI, Toshiharu (16:10~16:35)

2S9-09 Special Lecture Closing remarks (Grad. Sch. Sci., The Univ. of Tokyo) SHIONOYA, Mitsuhiro (16:35~16:45)

Fundamentals and Applications of Synchrotron SAXS around SPring-8

Sunday, March 30, AM

Chair: TAKAYA, Hikaru (9 : 30 ~12 : 30)

4S9-01 Special Program Lecture Opening Remarks (JASRI) SAKATA, Makoto (09:30~09:35)

4S9-02 Special Program Lecture Basis of Small-angle X-ray scattering and Synchrotron Radiation X-ray for Chemists (ICR, Kyoto Univ.) KANAYA, Toshiji (09:35~10:05)

4S9-03 Special Program Lecture Synchrotron Small-angle X-ray Scattering -From Fundamental to Application (The University of Kitakyushu Department of Chemistry and Biochemistry) AKIBA, Isamu (10:05~10:30)

- 4S9-04 Special Program Lecture** The foundation of the GISAXS measurements and an advantage of the utilization of the synchrotron radiation (Japan synchrotron radiation research institute research and utilization division) OGWA, Hiroki (10:30~10:50)
- 4S9-05 Special Program Lecture** Utilization of Synchrotron Radiation for Ecofriendly Polymeric Materials (Grad. Sch. Agricultural and Life Sci., The Univ. of Tokyo) IWATA, Tadahisa (10:50~11:10)
- 4S9-06 Special Program Lecture** Developments of Rubber with Small-angle X-ray Scattering on Synchrotron Radiation (Sumitomo Rubber Industries Material Research & Development) KISHIMOTO, Hiroyuki (11:10~11:30)
- 4S9-07 Special Program Lecture** Structural Analyses of Polymer-stabilized Liquid Crystal Blue Phases by Synchrotron Small Angle X-ray Diffraction (IMCE, Kyushu Univ.) KIKUCHI, Hirotsugu (11:30~11:50)
- 4S9-08 Special Program Lecture** Synchrotron Radiation Small-angle X-ray Scattering Studies in Cosmetic Products Development (Kao Corporation Analytical Science Research Labs.) KUME, Takuji (11:50~12:10)
- 4S9-09 Special Program Lecture** Recent Progress in Laboratory-scale Small Angle X-ray Scattering System (Rigaku) ITO, Kazuki (12:10~12:30)

New development of element-block polymer material

Sunday, March 30, PM

Chair: GUNJI, Takahiro (13 : 30~14 : 30)

- 4S9-10 Special Program Lecture** Introduction to New Polymeric Materials Based on Element-Blocks (Grad. Sch. Eng., Kyoto Univ.) CHUJO, Yoshiki (13:30~13:50)
- 4S9-11 Special Program Lecture** Synthesis of functionalized metal clusters (Fac. Sci., Tokyo Univ. of Sci.) NEGISHI, Yuichi (13:50~14:10)
- 4S9-12 Special Program Lecture** please enter your presentation title (Fac. Sci. Eng., Kinki Univ.) FUJIHARA, Hisashi (14:10~14:30)

Chair: USUKI, Arimitsu (14 : 30~15 : 30)

- 4S9-13 Special Program Lecture** Synthesis of Photoresponsive Organosilica via Controlled Assembly of Element-blocks (Sch. Advanced Sci. Eng., Waseda Univ.) SHIMOJIMA, Atsushi (14:30~14:50)
- 4S9-14 Special Program Lecture** In-situ Formation of Element-Block Conjugated Polymers via Vapor-Phase Oxidative Polymerization (WIAS) SUGA, Takeo (14:50~15:10)
- 4S9-15 Special Program Lecture** Development of Functional Materials with Controlled Hierarchical Structures by a Supramolecular Scientific Approach (Grad. Sch. Sci., Osaka Univ.) YAMAGUCHI, Hiroyasu (15:10~15:30)

Chair: OHSHITA, Joji (15 : 30~16 : 30)

- 4S9-16 Special Program Lecture** Preparation of hybrid resin incorporating inorganic element block by matrix sputtering process (Grad. Fac. Eng., Hokkaido Univ.) YONEZAWA, Tetsu (15:30~15:50)
- 4S9-17 Special Program Lecture** Development of a pattern-forming method using photosensitive element-block engineering plastics (Grad. Fac. Eng., Yokohama Natl. Univ.) OYAMA, Toshiyuki (15:50~16:10)
- 4S9-18 Special Program Lecture** Synthetic Studies on a [2]Ferrocenophane with a Bridging Ge=Ge Unit for Control of Its Ring Opening Polymerization Reaction. (ICR, Kyoto Univ.) SASAMORI, Takahiro; MIYAMOTO, Hisashi; TOKITOH, Norihiro (16:10~16:30)

Room SA

Law & Economics Shared Facilities Bldg.

Development of chemistry in nano- and micro- scale reaction fields in liquids

Thursday, March 27, AM

Chair: WADA, Hiroyuki (9 : 30 ~12 : 30)

- 1SA-01 Special Program Lecture** Recent progress of pulsed laser ablation in liquid (Grad. Sch. Arts and Sci., The Univ. of Tokyo) MAFUNE, Fumitaka (09:30~09:50)
- 1SA-02 Special Program Lecture** Fabrication of subnanosized metal clusters by laser ablation at air-liquid interface using metal nanocolloids (Toyota Central R&D Labs., Inc. Inorganic Materials Lab) NISHI, Teppei; SUZUKI, Noritomo; TAKAHASHI, Naoko; AKIMOTO, Yusuke; WATABE, Yoshihide (09:50~10:20)
- 1SA-03 Special Program Lecture** Hydrophilic and hydrophobic carbon nanoparticles production with laser plasma filament (Osaka City Univ. Grad. Sch. Sci.) YATSUHASHI, Tomoyuki; HAMAGUCHI, Tomoyuki

(10:20~10:50)

- 1SA-04 Special Program Lecture** Synthesis of nanoparticles and consideration of process on laser ablation in supercritical fluids (Nagoya Univ. Nagoya Univ.) TAKADA, Norihiro; GOTO, Hiroshi; SASAKI, Koichi; TAKEUCHI, Masato; MACHIMUDA, Siti; WAHYU, Diono; GOTO, Motonobu (11:00~11:30)
- 1SA-05 Special Program Lecture** Reactive Synthesis of Submicron Spheres by Pulsed Laser Melting in Liquid (NRI, AIST) ISHIKAWA, Yoshie; KOSHIZAKI, Naoto (11:30~12:00)
- 1SA-06 Special Program Lecture** Silicon Nanoparticles: Efficient Emission of Light Produced by Well-controlled Nanostructures (MANA, NIMS) SHIRAHATA, Naoto (12:00~12:30)

The medical/medicinal/engineering collaboration to develop next generation technologies in drug discovery

Thursday, March 27, PM

Chair: OKURA, Ichiro (13 : 30~14 : 35)

- 1SA-07 Special Program Lecture** explanation of aim (Fac. Chem. Materials and Bioeng., Kansai Univ.) NAKAI, Misaki (13:30~13:35)
- 1SA-08 Special Program Lecture** Development of Conjugated Polymer Applicable to Colorimetric Sensing of Chirality (Grad. Fac. Eng., Hokkaido Univ.) KAKUCHI, Toyoji (13:35~14:05)
- 1SA-09 Special Program Lecture** Development of key technologies on PET imaging and the application to drug discovery (Astellas Pharma Inc. Bioimaging Res. Labs.) NISHIMURA, Shintaro (14:05~14:35)

Chair: YANO, Shigenobu (14 : 35~15 : 35)

- 1SA-10 Special Program Lecture** Formation of Hemoprotein Oligomer by Domain Swapping and Its Cellular Toxicity (Grad. Sch. Mat. Sci., NAIST) HIROTA, Shun (14:35~15:05)
- 1SA-11 Special Program Lecture** Functional Analysis of Cellular Network using Optical Perturbation by a Focused Laser Beam for Drug Discovery Screening (HRI, AIST) HOSOKAWA, Chie (15:05~15:35)

Chair: OKUZUMI, Tatsuya (15 : 35~16 : 05)

- 1SA-12 Special Program Lecture** Potential of human iPSCs in drug discovery (Takeda Pharmaceutical Company Limited, Pharmaceutical Research Division) ASAMI-ODAKA, Asano (15:35~16:05)

Chair: MATSUMURA, Yuriko (16 : 05~16 : 35)

- 1SA-13 Special Program Lecture** Intracellular thermometry (Grad. Sch. Pharm., The Univ. of Tokyo) UCHIYAMA, Seiichi (16:05~16:35)

Single molecule electronics and noise/fluctuation ~ a pathway to brain-like electronic devices

Sunday, March 30, AM

Chair: TADA, Hirokazu (9 : 30 ~11 : 10)

- 4SA-01 Special Program Lecture** Introduction to a new stage of molecular electronics research, from the first, the second to the third stage and beyond (AIST Nanosystem Research Institute, AIST) ASAI, Yoshihiro (09:30~09:55)
- 4SA-02 Special Program Lecture** Single molecule electronics (Grad. Sch. Sci., Osaka Univ.) OGAWA, Takuji (09:55~10:20)
- 4SA-03 Special Program Lecture** Production of Nano-conjugates of Nanoparticles and CNTs by protein supramolecules and their new properties (Grad. Sch. Mat. Sci., NAIST; Panasonic Corp. Advanced Technology Research Laboratories) YAMASHITA, Ichiro; KUMAGAI, Shinya (10:20~10:45)
- 4SA-04 Special Program Lecture** Stochastic enhancement of redox network with huge molecule (Grad. Sch. Sci., Osaka Univ.) MATSUMOTO, Takuya (10:45~11:10)

Chair: OGAWA, Takuji (11 : 10~12 : 30)

- 4SA-05 Special Program Lecture** Single-Electron Stochastic Resonance Using Si Nanowire Transistors (NTT BRL) NISHIGUCHI, Katsuhiko; FUJIWARA, Akira (11:10~11:35)
- 4SA-06 Special Program Lecture** Stochastic resonance phenomenon in electronics and its application (Hokkaido Univ. Graduate School of Information Science and Technology; Hokkaido Univ. RCQE) KASAI, Seiya (11:35~12:00)
- 4SA-07 Special Program Lecture** Brain-like information processing utilizing noise and nanostructures for implementing it (Grad. Sch. Life Sci. Sys. Eng., KIT) MORIE, Takashi (12:00~12:25)
- 4SA-08 Special Program Lecture** Summary (Sch. Eng. Sci., Osaka Univ.) TADA, Hirokazu (12:25~12:30)

Frontier of Nano Scale Molecular Devices

Sunday, March 30, PM

Chair: TANIGUCHI, Masateru (13 : 30~14 : 50)

- 4SA-09 Special Program Lecture** Investigation on single molecule dynamics with SERS and conductance measurement (Tokyo Tech Tokyo) KIGUCHI, Manabu (13:30~13:50)
- 4SA-10 Special Program Lecture** Molecular orbital theory and wave-packet scattering simulations for pi-conjugated polymers with high charge mobility (MCES, Tokyo Tech) TADA, Tomofumi (13:50~14:10)
- 4SA-11 Special Program Lecture** Development of Functional pi-Conjugated Compounds towards Molecular Devices (ISIR, Osaka Univ.) IE, Yutaka (14:10~14:30)
- 4SA-12 Special Program Lecture** Synthesis of Insulated Conjugated Molecular Devices and Development of a Molecular Wiring Method (Grad. Sch. Eng., Kyoto Univ.) TERAOKA, Jun (14:30~14:50)

Chair: KIGUCHI, Manabu (15 : 10~16 : 30)

- 4SA-13 Special Program Lecture** Single-molecule chemistry at an ultrathin metal oxide film surface (RIKEN Surface and Interface Science Laboratory) KIM, Yousoo (15:10~15:30)
- 4SA-14 Special Program Lecture** Theoretical Study on Thermoelectric Properties of Molecular Nano-contact (NRI, AIST) NAKAMURA, Hisao (15:30~15:50)
- 4SA-15 Special Program Lecture** Temperature and Heat in Single Molecule Junctions (ISIR, Osaka Univ.) TANIGUCHI, Masateru (15:50~16:10)
- 4SA-16 Special Program Lecture** Thermopower measurements of single molecular junctions and investigation of their electronic structures (Grad. Sch. Eng. Sci., Osaka Univ.) YAMADA, Ryo (16:10~16:30)

Room F4
Liberal Arts & Sciences Main Building
C14

Challenge for the Emerging Issues with NewBiotechnologies

Thursday, March 27, PM

Frontier Innovation of Healthcare Business in Japanese Bioventures

(13 : 00~13 : 10)

- 1F4-25** The purposes (T3C) of "A new era of bio-ventures" : their importance of impact to the Japanese and global chemical industries (Grad. Sch. Sci., The Univ. of Tokyo) SUGA, Hiroaki (13:00~13:10)

Chair: SUGA, Hiroaki (13 : 10~16 : 50)

- 1F4-26 ATP Invited Lecture** The role of a venture capital firm investing in university spinoffs (UTECH) GOJI, Tomotaka (13:10~13:40)
- 1F4-29 ATP Invited Lecture** Drug Discovery on Unstructured/Structured Interaction (PRISM BioLab Co., Ltd.) KOUJI, Hiroyuki; ODAGAMI, Takenao (13:40~14:10)
- 1F4-32 ATP Invited Lecture** Pharmaceutical development of recombinant human HGF to address unmet medical needs (Kringle Pharma, Inc.) IWATANI, Kunio (14:10~14:40)
- 1F4-35** Incubation Time (14:40~15:00)
- 1F4-37 ATP Invited Lecture** Bio-Nanotechnology based on sugar chain and Venture (SUDx-Biotech Corp.) SUDA, Yasuo (15:00~15:30)
- 1F4-40 ATP Invited Lecture** Developing an Industry of Regenerative Medicine (Japan Tissue Engineering Co., Ltd.) OZAWA, Yosuke (15:30~16:00)
- 1F4-43 ATP Invited Lecture** How to Bridge R&D Outcome to Commercialization Outside Japan - Case of Bio-related Ventures - (Phoenix Venture Partners (PVP)) KAMBE, Nobuyuki (16:00~16:30)
- 1F4-46** Incubation Time (16:30~16:50)

Resource, Next Generation Energy and Environment

Friday, March 28, AM

Fuel Cells & Hydrogen Energy Technology

Chair: DAIMARU, Akimasa (9 : 20 ~11 : 00)

- 2F4-03** Introduction to the Discussion (IRCHE, Kyushu Univ.) SASAKI, Kazunari (09:20~09:30)
- 2F4-04 ATP Keynote Lecture** FCEV Development at Nissan (Nissan Motor Co., Ltd. Nissan Research Center, EV System Laboratory) IYAMA,

Akihiro (09:30~10:20)

- 2F4-09 ATP Invited Lecture** Development of group 4 and 5 oxide-based electrocatalysts as non-platinum cathodes for PEFC (Yokohama Natl. Univ. Green Hydrogen Research Center) ISHIHARA, Akimitsu (10:20~10:50)
- 2F4-12** Incubation Time (10:50~11:00)

Chair: ISHIHARA, Akimitsu (11 : 00~12 : 10)

- 2F4-13 ATP Special Invited Lecture** The power generation evaluation technique of the catalyst and electrolyte membrane material for fuel cells (Daido University Fuel Cell Research Center) DAIMARU, Akimasa (11:00~11:40)
- 2F4-17 ATP Invited Lecture** Development of Durable Electrocatalysts for PEFC through Controlling Nanostructures of Carbon Supports (IRCHE, Kyushu Univ.) HAYASHI, Akari (11:40~12:10)

Friday, March 28, PM

Chair: SASAKI, Kazunari (13 : 10~15 : 20)

- 2F4-26 ATP Keynote Lecture** The fuel cell in a smart house (SEKISUI HOUSE, LTD. Environment Improving Department) ISHIDA, Ken-ichi (13:10~14:00)
- 2F4-31 ATP Special Invited Lecture** Development of the Advanced Ceramic Reactor (AIST AMRI) AWANO, Masanobu; FUJISHIRO, Yoshinobu; SUZUKI, Toshio; YAMAGUCHI, Toshiaki; HAMAMOTO, Koichi; SUMI, Hiroshi (14:00~14:40)
- 2F4-35 ATP Invited Lecture** Intermediate-Temperature Steam Electrolysis Using Proton-Conducting Oxide (I₂CNER, Kyushu Univ.; IFRC, Kyushu Univ.; Kyushu Univ. NEXT-FC) MATSUMOTO, Hiroshige (14:40~15:10)
- 2F4-38** Incubation Time (15:10~15:20)

Chair: MATSUMOTO, Hiroshige (15 : 20~17 : 20)

- 2F4-39 ATP Special Invited Lecture** Bloom Energy Japan's Mission —Clean, Reliable, and Highly Efficient Distributed Power— (Bloom Energy Japan) MIWA, Shigeki (15:20~16:00)
- 2F4-43 ATP Special Invited Lecture** Technology of large scale storage and transportation of hydrogen energy and hydrogen supplychain concept (CHIYODA Corporation) OKADA, Yoshimi (16:00~16:40)
- 2F4-47 ATP Special Invited Lecture** Development of Hydrogen Storage Materials and Energy Carrier Using Ammonia (Hiroshima Univ. Institute for Advanced Materials Research) KOJIMA, Yoshitsugu (16:40~17:20)

Challenge for the Emerging Issues with NewBiotechnologies

Saturday, March 29, PM

Innovative Approaches to Neurological Disorders by Cutting-edge Brain Sciences

(13 : 00~13 : 10)

- 3F4-25** Opening Remarks (Fac. Sci. Tech., Keio Univ.) USHIBA, Jun-ichi (13:00~13:10)

Chair: JUN-ICHI, Ushiba (13 : 10~14 : 50)

- 3F4-26 ATP Keynote Lecture** Creation of genetically modified non-human primate models of human neurodegenerative diseases (Jikei University School of Medicine, Division of Regenerative Medicine) OKANO, JAMES, Hirotaka (13:10~14:00)
- 3F4-31 ATP Special Invited Lecture** New insight of the study of behavior regulatory mechanism by manipulating nerve activity using chemical substances (Nagoya Univ. RIEM) YAMANAKA, Akihiro; INUTSUKA, Ayumu (14:00~14:40)
- 3F4-35** Incubation Time (14:40~14:50)

Chair: AOI, Keigo (14 : 50~16 : 10)

- 3F4-36 ATP Special Invited Lecture** Development of new electrode materials and microfluidic devices for measuring neurotransmitters (AIST Biomedical Institute) NIWA, Osamu (14:50~15:30)
- 3F4-40 ATP Special Invited Lecture** In vivo detection by boron-doped diamond microelectrodes (Fac. Sci. Tech., Keio Univ.) EINAGA, Yasuaki (15:30~16:10)

Chair: UEJIMA, Yasuhide (16 : 10~17 : 00)

- 3F4-44 ATP Invited Lecture** Neuro-rehabilitation in hemiplegic upper limb due to stroke (Fac. Sci. Tech., Keio Univ.) USHIBA, Jun-ichi (16:10~16:40)
- 3F4-47** Incubation Time (16:40~17:00)

Room F5

Liberal Arts & Sciences Main Building
C15

Frontiers in Development of New Materials

Thursday, March 27, AM

Biomimetics as Bridge of Multidiscipline

Chair: HOZUMI, Atsushi (9:00~10:40)

- 1F5-01** Opening Remarks (WPI-AIMR, Tohoku Univ.) SHIMOMURA, Masatsugu (09:00~09:10)
- 1F5-02** ATP Invited Lecture Control of Thermal Transfer by Utilizing Molecular Chains in Organic-Inorganic Hybrid Membrane (Nagoya Inst. of Tech. Fostering Young and Innovative Researchers based on Industry) MAEDA, Hirotsugu; MOKUNO, Takaaki; ISU, Norifumi (09:10~09:40)
- 1F5-05** ATP Invited Lecture Organic-Inorganic Hybrid Biomimetic Materials for Tribological Surfaces (CIST Chitose Institute of Science and Technology) HIRAI, Yuji; KAIDO, Masataka; SUZUKI, Atsushi; SHIMOMURA, Masatsugu (09:40~10:10)
- 1F5-08** ATP Invited Lecture Adhesive function and vibrational response that are adapted to habitats in insects (FFPRI) TSUBAKI, Remi; HOSODA, Naoto; KITAJIMA, Hiroshi; FUKAYA, Midori; KANZAKI, Natsumi; KOIKE, Takuji; KURODA, Katsushi; MORI, Naoki; NISHINO, Hiroshi; NOMURA, Shuhei; TSUCHIHARA, Kazuko; YAZAKI, Kennichi; VOIGT, Dagmar; TAKANASHI, Takuma (10:10~10:40)

Chair: ISHII, Daisuke (10:40~12:20)

- 1F5-11** ATP Invited Lecture Toward understanding of design principles of an insect auditory organ (RIES, Hokkaido Univ.) NISHINO, Hiroshi (10:40~11:10)
- 1F5-14** ATP Invited Lecture Cellular Active Touch Sensing of Substrate Rigidity (Grad. Sch. Med., Nagoya Univ.) KOBAYASHI, Takashi (11:10~11:40)
- 1F5-17** ATP Special Invited Lecture "NanoSuit", a thin polymer membrane enhancing survival and living structure in the high resolution electron microscope (Hamamatsu University School of Medicine School of Medicine) HARIYAMA, Takahiko; TAKAKU, Yasuhiro; OHTA, Isao; SUZUKI, Hiroshi; MURANAKA, Yoshinori; ISHII, Daisuke; SHIMOMURA, Masatsugu (11:40~12:20)

Thursday, March 27, PM

Chair: SHIMOMURA, Masatsugu (12:50~14:10)

- 1F5-24** ATP Keynote Lecture Promotion of industrial application in biomimetics - World trends and Challenges of Japan (Teijin Limited) HIRASAKA, Masao (12:50~13:40)
- 1F5-29** ATP Invited Lecture Stealing idea from nature for sustainable engineering with Bio-TRIZ (Fac. Eng., Niigata Univ.) YAMAUCHI, Takashi; HIDETOSHI, Kobayashi (13:40~14:10)

Chair: ISU, Norifumi (14:10~15:40)

- 1F5-32** ATP Invited Lecture Trial Development and Use of a Biomimetics Ontology (JSIR, Osaka Univ.) KOZAKI, Kouji (14:10~14:40)
- 1F5-35** ATP Invited Lecture RGB Structural Color Material Fabricated by Micromachining (Grad. Sch. Eng., Tohoku Univ.) KANAMORI, Yoshiaki (14:40~15:10)
- 1F5-38** ATP Invited Lecture Micro-mechanics and adhesion-debonding switching in Gecko-inspired adhesives (Grad. Sch. Eng., Kyushu Univ.) YAMAGUCHI, Tetsuo (15:10~15:40)

Chair: SAITO, Masao (15:40~17:20)

- 1F5-41** ATP Invited Lecture Low Frictional Properties of the Moth-eye Surfaces (MITSUBISHI RAYON CO.,LTD.) UOZU, Yoshihiro; HARIYAMA, Takahiko; HIRONAKA, Mantaro; YAMAHAMA, Yumi; ISHII, Daisuke (15:40~16:10)
- 1F5-44** ATP Invited Lecture Production Techniques and Applications of Self-Organized Honeycomb-Patterned Polymer Films. (FUJIFILM Corp.) YAMAZAKI, Hidekazu; KOHASHI, Souichi; ITO, Koju; SHIMOMURA, Masatsugu; YABU, Hiroshi; NAKAZAWA, Kohji (16:10~16:40)
- 1F5-47** ATP Special Invited Lecture How do Cells Detect Stiffness of Substrates? (Grad. Sch. Med., Nagoya Univ.) SOKABE, Masahiro (16:40~17:20)

Resource, Next Generation Energy and Environment

Friday, March 28, AM

Batteries for large scale energy storage

(10:10~10:20)

- 2F5-08** Opening Remarks (Fac. Sci. Tech., Keio Univ.) KATAYAMA, Yasushi (10:10~10:20)

Chair: KATAYAMA, Yasushi (10:20~12:00)

- 2F5-09** ATP Keynote Lecture Prospects of advance in secondary battery technologies for the realization of stable energy supply and low carbon society (Central Research Institute of Electric Power Industry Materials Science Research Laboratory) IKEYA, Tomohiko (10:20~11:10)
- 2F5-14** Incubation Time (11:10~11:20)
- 2F5-15** ATP Special Invited Lecture Development of Si-based composite anodes for next generation Li secondary battery (Grad. Sch. Eng., Tottori Univ.; Tottori Univ. Center for Research on Green Sustainable Chemistry) SAKAGUCHI, Hiroki (11:20~12:00)

Friday, March 28, PM

Chair: KUBOKI, Takashi (13:00~14:10)

- 2F5-25** ATP Invited Lecture A Study on Reaction Mechanism of Iron/Manganese-based Sodium Insertion Materials (Res. Inst. Sci. Technol., Tokyo Univ. of Sci.) YABUCHI, Naoaki; KOMABA, Shinichi (13:00~13:30)
- 2F5-28** ATP Invited Lecture Sodium secondary batteries with amide ionic liquids (Grad. Sch. Energy Sci., Kyoto Univ.; Sumitomo Electric Ind. Ltd.) NOHIRA, Toshiyuki; HAGIWARA, Rika; FUKUNAGA, Atsushi; SAKAI, Shoichiro; NITTA, Koji; INAZAWA, Shinji (13:30~14:00)
- 2F5-31** Incubation Time (14:00~14:10)

Chair: INOUE, Kenji (14:10~15:30)

- 2F5-32** ATP Special Invited Lecture Challenge to utilize redox reaction of multivalent metal ions for fabricating rechargeable batteries - Possibility of an aluminum negative electrode (Osaka Univ. Osaka University) KUWABATA, Susumu; KOKUBO, Itsuki; TSUDA, Tetsuya; YAMAGATA, Masaki; ISHIKAWA, Masashi (14:10~14:50)
- 2F5-36** ATP Invited Lecture Indirect fuel cell based on a redox-flow battery (UBIQEN, AIST) SIROMA, Zyun (14:50~15:20)
- 2F5-39** Incubation Time (15:20~15:30)

Chair: KATAYAMA, Yasushi (15:30~16:00)

- 2F5-40** Panel Discussion (Fac. Sci. Tech., Keio Univ.) (15:30~16:00)

(16:00~16:10)

- 2F5-43** Closing Remarks (Fac. Sci. Tech., Keio Univ.) KATAYAMA, Yasushi (16:00~16:10)

Challenge for the Emerging Issues with NewBiotechnologies

Saturday, March 29, PM

Challenge for the Emerging Issues with NewBiotechnologies

(13:00~13:10)

- 3F5-25** Opening Remarks (Fac. Sci. Tech., Keio Univ.) MIYAMOTO, Kenji (13:00~13:10)

Chair: MIYAMOTO, Kenji (13:10~14:20)

- 3F5-26** ATP Special Invited Lecture Bio-based PE and PET (TOYOTA TSUSHO CORPORATION) OCHI, Mitsuo; KOBAYASHI, Ryo (13:10~13:50)
- 3F5-30** ATP Invited Lecture Challenge for the Practical Use of KANEKA Biopolymer AONILEX (KANEKA CORP. GP Business Development Division) FUJIKI, Tetsuya (13:50~14:20)

Chair: SUGIYAMA, Masakazu (14:20~15:40)

- 3F5-33** ATP Invited Lecture Speed up the degradation of used biodegradable plastics by enzymes derived from phyllosphere fungus (NIAES Environmental Biofunction Division) KITAMOTO, Hiroko; KOITABASHI, Motoo; WATANABE, Takashi; SHINOZAKI, Yukiko; YAMASHITA, Yuka; SUZUKI, Ken (14:20~14:50)
- 3F5-36** Incubation Time (14:50~15:00)
- 3F5-37** ATP Special Invited Lecture Research for Practical Use of Spider Silk (Spiber Inc) SUGAHARA, Jun-ichi (15:00~15:40)

Chair: TSURUTA, Hitoshi (15:40~17:00)

- 3F5-41** ATP Invited Lecture Synthesis and Utilization of Lignin-based Sustainable Lignin-based Macromolecules (Grad. Sch. Bioresources, Mie Univ.) AOYAGI, Mitsuru; FUNAOKA, Masamitsu (15:40~16:10)

3F5-44 ATP Special Invited Lecture Microbial degradation of hard-biodegradable aromatic polymer, PET (KIT) ODA, Kohei; HIRAGA, Kazumi; YOSHIDA, Shousuke; MIYAMOTO, Kenzi (16:10~16:50)

3F5-48 Incubation Time (16:50~17:00)

Room G6
Liberal Arts & Sciences Main Building
S20

Frontiers in Development of New Materials

Thursday, March 27, PM

Weight saving Materials

Chair: INOUE, Yoshihisa (13 : 30~15 : 30)

1G6-28 Opening Remarks (Fac. Sci. Technol., Tokyo Univ. of Sci.) MATSUZAKI, Ryosuke (13:30~13:40)

1G6-29 ATP Keynote Lecture Optimization of resin impregnation process of composite materials (Fac. Sci. Technol., Tokyo Univ. of Sci.) MATSUZAKI, Ryosuke (13:40~14:30)

1G6-34 Incubation Time (14:30~14:40)

1G6-35 ATP Special Invited Lecture Challenges of evaluating adsorption and adhesion forces for smaller and thinner electric devices (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAHASHI, Kosuke; INABA, Kazuki; KISHIMOTO, Kikuo (14:40~15:20)

1G6-39 Incubation Time (15:20~15:30)

Chair: MATSUMOTO, Kazumasa (15 : 30~17 : 10)

1G6-40 ATP Special Invited Lecture Development of high performance CNT reinforced polymers using CNT preform (Grad. Sch. Eng., Shizuoka Univ.) SHIMAMURA, Yoshinobu; OSHIMA, Kahori; TOHGO, Keiichiro; FUJII, Tomoyuki; INOUE, Yoku (15:30~16:10)

1G6-44 Incubation Time (16:10~16:20)

1G6-45 ATP Special Invited Lecture Functionalization of Graphene Materials by Composite of Polymer and Nanoparticle (Fac. Eng., Tokyo Univ. of Sci.) ENDO, Hiroshi (16:20~17:00)

1G6-49 Incubation Time (17:00~17:10)

Resource, Next Generation Energy and Environment

Friday, March 28, AM

Organic Synthesis for Utilization of Renewable Carbon Resources

(9 : 30 ~ 9 : 40)

2G6-04 Opening Remarks (JX Nippon Oil & Energy Corporation Central Technical Research Laboratory) KOBORI, Yoshihiro (09:30~09:40)

Chair: KOBORI, Yoshihiro (9 : 40 ~ 12 : 00)

2G6-05 ATP Keynote Lecture Organic Synthesis for Utilization of Renewable Carbon Resources (Grad. Sch. Pharm. Sci., Tohoku Univ.) YAMAGUCHI, Masahiko (09:40~10:30)

2G6-10 Incubation Time (10:30~10:40)

2G6-11 ATP Special Invited Lecture Synthesis technology of oligosaccharides using microbial functions (KYOWA HAKKO BIO CO., LTD. Bioprocess Development Center) TABATA, Kazuhiko (10:40~11:20)

2G6-15 ATP Special Invited Lecture Production and Functional Evaluation of Glycerol Derivatives (ISC, AIST) HABE, Hiroshi (11:20~12:00)

Friday, March 28, PM

Chair: YAMAGUCHI, Masahiko (13 : 00~15 : 50)

2G6-25 ATP Special Invited Lecture Application of 5-thioglucose for anti-diabetic drug (Taisho Pharmaceutical Co., Ltd. Medicinal Chemistry Laboratories) KAKINUMA, Hiroyuki (13:00~13:40)

2G6-29 ATP Special Invited Lecture Synaptic receptor ligands developed from furfurals (Grad. Sch. Nanobioscience, Yokohama City Univ.) OIKAWA, Masato (13:40~14:20)

2G6-33 Incubation Time (14:20~14:30)

2G6-34 ATP Special Invited Lecture Synthetic Utilization of Biomass-derived Feedstock Using Catalysis for Hydrogen Management (Grad. Sch. Sci., Nagoya Univ.) SAITO, Susumu (14:30~15:10)

2G6-38 ATP Special Invited Lecture Transformation of biomass polyols to useful chemicals using heterogeneous transition metal catalysts in liquid phase (Osaka Univ. Department of Engineering Science) JITSUKAWA, Koichiro (15:10~15:50)

Saturday, March 29, AM

Highly efficient use of energy and chemical technology for sustainable environment

Chair: SEKO, Shinzo (9 : 20 ~ 12 : 10)

3G6-03 Opening Remarks (Grad. Sch. Eng., Kyoto Univ.) EGUCHI, Koichi (09:20~09:30)

3G6-04 ATP Keynote Lecture Production and Utilization of Novel Energy Carriers (Grad. Sch. Eng., Kyoto Univ.) EGUCHI, Koichi (09:30~10:20)

3G6-09 Incubation Time (10:20~10:30)

3G6-10 ATP Special Invited Lecture A Novel Support Material of Metal Complex Catalysts for Environmentally Friendly Chemical Processes (Toyota Central R&D Labs., Inc.) INAGAKI, Shinji (10:30~11:10)

3G6-14 Incubation Time (11:10~11:20)

3G6-15 ATP Special Invited Lecture Objective of Photocatalysis International Research Center in Tokyo University of Science (Fac. Ind. Sci. Technol., Tokyo Univ. of Sci.) YASUMORI, Atsuo (11:20~12:00)

3G6-19 Incubation Time (12:00~12:10)

Saturday, March 29, PM

Chair: EGUCHI, Koichi (13 : 10~14 : 50)

3G6-26# ATP Keynote Lecture I²CNER : Powering the Future, Internationalizing Research (I²CNER, Kyushu Univ.) SOFRONIS, Petros (13:10~14:00)

3G6-31# Incubation Time (14:00~14:10)

3G6-32 ATP Invited Lecture Ultra concentrated liquid detergent to realize user benefit and eco-friendliness (Kao Corp.) MIYAKE, Toshio; YANAGISAWA, Yuhki; NISHIDA, Kouhei; ISHIZUKA, Hitoshi; KITA, Ayako; YAMAGUCHI, Noriko (14:10~14:40)

3G6-35 Incubation Time (14:40~14:50)

Chair: TSUCHIBUCHI, Tsuyoshi (15 : 00~16 : 40)

3G6-37 ATP Special Invited Lecture Production of biofuels and chemicals by using microalgae (Grad. Sch. Eng., Kobe Univ.) KONDO, Akihiko; HASUNUMA, Tomohisa (15:00~15:40)

3G6-41 Incubation Time (15:40~15:50)

3G6-42 ATP Special Invited Lecture Sustainable Utilization of Lignocelluloses - Time factors input into components - (Mie University Graduate School of Bioresources) FUNAOKA, Masamitsu (15:50~16:30)

3G6-46 Incubation Time (16:30~16:40)

Room G7
Liberal Arts & Sciences Main Building
S21

Frontiers in Development of New Materials

Thursday, March 27, PM

Self-healing Materials

Chair: OTSUKA, Hideyuki (12 : 20~15 : 00)

1G7-21 ATP Keynote Lecture Present Situation of Research on Self-Healing Systems of Polymeric Materials (Grad. Sch. Sci., Osaka Univ.) HARADA, Akira (12:20~13:10)

1G7-26 ATP Invited Lecture Patent Application Trends and Methods for Achieving Outstanding Patents in The Technical Field of Self-Healing Materials (Prezio IP Firm) HAYAMI, Shinji (13:10~13:40)

1G7-29 ATP Special Invited Lecture Healing polymers with dynamic bonds -What are the requirements for autonomous healing at room temperature?- (IIS, The Univ. of Tokyo) YOSHIE, Naoko (13:40~14:20)

1G7-33 ATP Invited Lecture Improvement of scratch resistance by polycarbonatediol (Sumika Bayer Urethane Co.,Ltd. Coating Adhesive Specialities) TABANA Hisafumi; HIGASHIMOTO, Hiroyuki; NAKAO, Makoto; SHIGEMORI, Tomokazu; MORITA, Hiroshi (14:20~14:50)

1G7-36 Incubation Time (14:50~15:00)

Chair: MIURA, Tsunemasa (15 : 00~17 : 20)

1G7-37 ATP Special Invited Lecture Approach to Self-healing Polymeric Materials by Dynamic Covalent Chemistry (Grad. Sch. Sci., Eng., Tokyo Tech) OTSUKA, Hideyuki (15:00~15:40)

1G7-41 ATP Special Invited Lecture Fundamentals of Slide-Ring Materials and Application to Self-Healing Materials (Grad. Sch. Frontier Sci., The Univ. of Tokyo) ITO, Kohzo (15:40~16:20)

1G7-45 ATP Invited Lecture Applications of Slide-Ring Materials (ASM) HAYASHI, Yuki (16:20~16:50)

1G7-48 ATP Invited Lecture Development of "Scratch Shield" clear coat and the effect (Nissan Motor Co., Ltd.) HAYASHI, Takao;

NAKASUJI, Hideki; NOMOTO, Takeshi (16:50~17:20)

MIYASAKA, Tsutomu (13:00~13:10)

Room H5

Liberal Arts & Sciences Main Building
C34

Frontiers in Development of New Materials

Thursday, March 27, AM

Printed Electronics

(10:00~10:10)

1H5-07 Opening Remarks (AIST Flexible Electronics Research Center)
KAMATA, Toshihide (10:00~10:10)

Chair: KAMATA, Toshihide (10:10~12:10)

1H5-08 ATP Keynote Lecture Advances in Materials Development for Printed Electronics (ISIR, Osaka Univ.) SUGANUMA, Katsuaki (10:10~11:00)

1H5-13 ATP Special Invited Lecture Fabrication of Li Battery by Using Printing Technologies (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) KANAMURA, Kiyoshi (11:00~11:40)

1H5-17 ATP Invited Lecture Fine Pitch Wiring Patterns by Inkjet Printing (ASAHI GLASS CO., LTD.) YAMAMOTO, Hiromasa; TAGASHIRA, Osamu (11:40~12:10)

Thursday, March 27, PM

Chair: NAKAJIMA, Atsushi (13:10~14:50)

1H5-26 ATP Special Invited Lecture Development of printable bio-sensors (Grad. Sch. Eng., Osaka Univ.) TAMIYA, Eiichi (13:10~13:50)

1H5-30 ATP Invited Lecture Printed Transpiration Sensors for Precision Agriculture (AIST Flexible Electronics Research Center) HOSINO, Satoshi (13:50~14:20)

1H5-33 ATP Invited Lecture Development of Flexible Organic Health Care Sensors (Grad. Sch. Eng., The Univ. of Tokyo) SAKAI, Shinri; SOMEYA, Takao (14:20~14:50)

Chair: SHIGEMOTO, Takeo (15:10~16:50)

1H5-38[#] ATP Special Invited Lecture Development of Taste Sensing System (Fac. Sci. Tech., Keio Univ.) CITTERIO, Daniel; SUZUKI, Koji (15:10~15:50)

1H5-42 ATP Invited Lecture JSR's Approach to Printed Electronics Materials (JSR Corporation Display Materials Research Laboratories) HAMAGUCHI, Hitoshi; OOKITA, Kenzo; ARITOME, Isao; TANAKA, Kenrou; KURIYAMA, Keisuke (15:50~16:20)

1H5-45 ATP Invited Lecture Introduction of Fully Printed Memory and Printed temperature sensor tag and Market strategy (Thin Film Electronics Japan K.K) FUJIMOTO, Koji (16:20~16:50)

Friday, March 28, AM

Chair: KAMATA, Toshihide (9:00~12:00)

2H5-01 ATP Special Invited Lecture Light Modulating Technology with Electrochromism (Grad. Sch. Adv. Integration Sci., Chiba Univ.) KOBAYASHI, Norihisa (09:00~09:40)

2H5-05 ATP Invited Lecture Electrochromic displays manufactured by printing techniques (Lintec Corporation Technology Strategy Department) KAWAHARA, Jun; NAKATA, Yasukazu; KATOH, Kazuya (09:40~10:10)

2H5-09 ATP Special Invited Lecture Molecular technology for high performance printable organic semiconductors (Tokyo Tech Imaging Science & Engineering Laboratory) HANNA, Jun-ichi; USUI, Takayuki; OKAMURA, Hisashi; IINO, Hiroaki (10:20~11:00)

2H5-13 ATP Invited Lecture Flexible displays driven by organic TFTs (Sony Corp.) YAGI, Iwao (11:00~11:30)

2H5-16 ATP Invited Lecture Development of High-Efficiency White OLED Devices for Flexible Lighting (Konica Minolta, Inc. Advanced Layers Company) ONO, Takeshi; KATO, Kazuki; IWASAKI, Toshihiko (11:30~12:00)

Resource, Next Generation Energy and Environment

Friday, March 28, PM

New Horizons in Photovoltaic Generation Technologies

(13:00~13:10)

2H5-25 Opening Remarks (Grad. Sch. Eng., Toin Univ. of Yokohama)

Chair: MIYASAKA, Tsutomu (13:10~15:10)

2H5-26 ATP Keynote Lecture Present Status and Next Challenge of Organic Photovoltaics (RCAST, The Univ. of Tokyo) SEGAWA, Hiroshi (13:10~14:00)

2H5-31 ATP Invited Lecture Development of Organic Radical-Type Dye-Sensitized Solar Cell (Fac. Sci. Eng., Waseda Univ.) OYAIZU, Kenichi; NISHIDE, Hiroyuki (14:00~14:30)

2H5-34 ATP Special Invited Lecture Rational Design of Organic Photoelectrochemical and Photovoltaic Devices Inspired by Natural Photosynthesis (iCeMS, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) IMAHORI, Hiroshi (14:30~15:10)

Chair: OYAIZU, Ken'ichi (15:30~17:10)

2H5-40 ATP Special Invited Lecture Development of highly efficient and stable dye-sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) ARAKAWA, Hironori; YAMAGUCHI, Takeshi (15:30~16:10)

2H5-44 ATP Invited Lecture Recent development of plastic film type dye-sensitized solar cell (Peccell Technologies, Inc.) IKEGAMI, Masashi (16:10~16:40)

2H5-47 ATP Invited Lecture Industrial Development of Dye-sensitized Solar Cell Module (Nissha Printing Co., Ltd. Corporate Technology Research and Development) SAKANE, Masayasu; SANADA, Yuya; OGAYA, Shinji; FURUKAWA, Masahiko (16:40~17:10)

Saturday, March 29, AM

Chair: ARAKAWA, Hironori (9:20~10:40)

3H5-03 ATP Special Invited Lecture Design of solar cells consisting of organic and inorganic dyes (KIT) HAYASE, Shuzi (09:20~10:00)

3H5-07 ATP Special Invited Lecture High efficiency development for the perovskite-based solar cells and their future R&D subjects (Grad. Sch. Eng., Toin Univ. of Yokohama) MIYASAKA, Tsutomu (10:00~10:40)

Chair: SEGAWA, Hiroshi (10:40~12:20)

3H5-11 ATP Invited Lecture X-ray Crystallographic Analysis of Lead Halide Complexes and Fabrication of Highly Efficient Perovskite-Based Solar Cells (ICR, Kyoto Univ.) WAKAMIYA, Atsushi (10:40~11:10)

3H5-14 ATP Special Invited Lecture Fabrication of Hybrid Perovskite Solar Cells with Inorganic Materials (Grad. Sch. Eng., Univ. of Hyogo) ITO, Seigo; TANAKA, Soichiro; MIZUTA, Gai; NISHINO, Hitoshi; MANABE, Kyohei (11:10~11:50)

3H5-18 ATP Invited Lecture [Title in Japanese] (Saga Univ.) ERA, Masanao (11:50~12:20)

Saturday, March 29, PM

Chair: WAKAMIYA, Atsushi (13:30~15:30)

3H5-28 ATP Keynote Lecture Industrial Development of Flexible Organic Photovoltaics (Mitsubishi Chemical Corp.) YAMAOKA, Hiroaki (13:30~14:20)

3H5-33 ATP Invited Lecture Design of Novel Semiconducting Polymers for Organic Photovoltaics (RIKEN) OSAKA, Itaru (14:20~14:50)

3H5-36 ATP Special Invited Lecture Development of Highly Efficient Polymer Solar Cells (Toray Industries, Inc. Advanced Material Res. Labs.) WATANABE, Nobuhiro (14:50~15:30)

Chair: OSAKA, Itaru (15:50~17:30)

3H5-42 ATP Invited Lecture Outlook of Solar Cell R&D and Issues for Organic PV (AIST) KONDO, Michio (15:50~16:20)

3H5-45 ATP Special Invited Lecture Broadband Light Harvesting in Organic Solar Cells (Grad. Sch. Eng., Kyoto Univ.) OHKITA, Hideo; HONDA, Satoshi; XU, Huajun; MORI, Daisuke; BENTEN, Hiroaki; ITO, Shinzaburo (16:20~17:00)

3H5-49 ATP Invited Lecture Photovoltaics Based on Localized Surface Plasmon Resonance (IIS, The Univ. of Tokyo) TATSUMA, Tetsu (17:00~17:30)

Sunday, March 30, AM

Chair: ITO, Seigo (10:00~12:30)

4H5-07 ATP Special Invited Lecture Fabrication of CZTS Thin Film Solar Cells Using An Electrochemical Method (RCSE, Osaka Univ.) IKEDA, Shigeru; JIANG, Feng; HARADA, Takashi; MATSUMURA, Michio (10:00~10:40)

4H5-11 ATP Invited Lecture Crystal Growth Control of CZTS Thin Layer (KANEKA CORP. FTRA Lab.; Grad. Sch. Eng., Osaka Univ.) TSUJI, Ryotaro; TOYAMA, Toshihiko (10:40~11:10)

4H5-14 ATP Special Invited Lecture Preparation of Semiconductor Nanoparticles with Low Toxicity for the Application to Quantum Dot Solar Cells (Grad. Sch. Eng., Nagoya Univ.) TORIMOTO, Tsukasa (11:10~11:50)

4H5-18 ATP Special Invited Lecture Development of dye-sensitized solar cells for indoor use (Panasonic Corporation Device Solutions Center)

SEKIGUCHI, Takashi; YABE, Hiroki; TAKAHATA, Masahiro; SUZUKA, Michio; HAYASHI, Naoki; KITAGAKI, Tomohiro (11:50~12:30)

Room P Gymnasium

Thursday, March 27, AM
(12 : 30~14 : 00)

Food, Water

- 1PB-201** Application of self-assembling nanomaterials for adsorbents (NRI, AIST) KOGISO, Masaki; AOYAGI, Masaru; MASUDA, Mitsutoshi
1PB-202 Depolymerization of Starch by Solution Plasma Process (Sch. Eng., Nagoya Univ.) MUTA, Yukihiko; WATTANAPHANIT, Anyarat; SAITO, Nagahiro
1PB-203 Development of aptamer sensor for directly detecting melamine in milk (NEC soft, Ltd.) KANEKO, Naoto

Transportation, Home

- 1PB-204** Elemental analysis of an electrified part in hybrid vehicles by X-ray Analytical Microscope and ICP-MS, and its application to CO₂ assessment for the part in production phase (Sendai Nat. Coll. of Tech. Advanced Course) KUZUHARA, Shunsuke; DAIGO, Ichiro; NIIKUNI, Tetsuya; KOSHIKA, Kenichiro
1PB-205 Investigation of CO₂ emission due to hybrid electric vehicles based on material analysis of major electric parts. (National Traffic Safety and Environment Laboratory) NIIKUNI, Tetsuya; DAIGO, Ichiro; KUZUHARA, Shunsuke; OKUI, Nobunori; KOSHIKA, Kenichiro
1PB-206 Reinforcement of rubbers with functional silica filler prepared by sequential reversible addition-fragmentation chain-transfer polymerization with particles (SqRAFTwP) (IMRAM, Tohoku Univ.; THE YOKOHAMA RUBBER CO., LTD.) ARITA, Toshihiko; OKAMATSU, Takahiro
1PB-207 An assessment method for acceptable amount of CO₂ emissions originated from lithium-ion battery in PHEV based on its improvement of fuel efficiency (National Traffic Safety and Environment Laboratory) KOSHIKA, Kenichiro; NIIKUNI, Tetsuya

Correspondence, Electronics

- 1PB-208** Thermal reaction of hemiacetal esters with base catalysts and epoxides (SHIN-NAKAMURA CHEMICAL CO.,LTD. Research and Development Dept.) TAKADA, Kohei; IYO, Masami; MATOBA, Tetsuya; YAMASHITA, Munenori; MORI, Hajime; MIYAZAKI, Takashi; SHIRAI, Masamitsu; OKAMURA, Haruyuki
1PB-209 Synthesis of novel naga-type liquid crystal molecules containing the tetrafluoroethylene unit (KIT) NAGAI, Kento; ISHIHARA, Takashi; KONNO, Tsutomu; ASAI, Tomoyuki
1PB-210 Development of Production Technology of Powdered Silver Nanoparticles by Using a Silane Process (Yamaguchi Prefectural Industrial Technology Institute Industrial Technology Support Department; Nippon Atomized Metal Powders Corporation; Fac. Eng., Tokyo Univ. of Sci., Yamaguchi) IWATA, Arihiro; KANEMARU, Masao; TAKAHASHI, Motoi; ISHIDA, Koichi; SHIRAI, Yukihide; TOSHIMA, Naoki
1PB-211 Sheet Resistance Control based on Deposition Modulation of Noble Metals on Photochromic Diarylethene Surfaces (Osaka Kyoiku Univ.) DOHI, Megumi; TSUJIOKA, Tsuyoshi
1PB-212 Fabrication of Electrodes on GaN-based LED Substrate by Direct Printing of Nanoparticle Inks (Osaka Municipal Technical Research Institute; Grad. Sch. Eng., Osaka Univ.; OKUNO CHEMICAL INDUSTRIES. CO., LTD.; DAIKEN CHEMICAL CO., LTD.; TOMOE WORKS CO., LTD.) KASHIWAGI, Yukiyasu; KOIZUMI, Atsushi; TAKEMURA, Yasutaka; KAKIUCHI, Hiroshi; FURUTA, Shinya; YAMAMOTO, Mari; SAITOH, Masashi; TAKAHASHI, Masanari; OHNO, Toshinobu; FUJIWARA, Yasufumi; MURAHASHI, Koichiro; OHTSUKA, Kuniaki; AOYAGI, Nobuyoshi; YOSHIDA, Yukio; NAKAMOTO, Masami
1PB-213 Estimation of Ionic Migration- and Oxidation-Resistance of Nanoparticle Pastes for Printed Electronics (Osaka Municipal Technical Research Institute Organic Materials Dep.) YAMAMOTO, Mari; KAKIUCHI, Hiroshi; KASHIWAGI, Yukiyasu; SAITOH, Masashi; TAKAHASHI, Masanari; AOYAGI, Nobuyoshi; OHNO, Toshinobu; YOSHIDA, Yukio; NAKAMOTO, Masami
1PB-214 Microwave catalytic rapid synthesis - Study on microwave synthesis of phosphorescent metal complexes and precise analysis (Minerva Light Laboratory Microwave Chemistry) MATSUMURA, Takeko; MIYAKE, Takatoshi; SHIMIZU, Naoto; YANAGIDA, Shouzoh; YOSHIOKA, Kouichi; WATANABE, Takashi
1PB-215 Theoretical Determination of Molecular Arrangements in Organic Semiconductors by Prediction Method for Crystal Structure (Toyoashi Univ.

of Tech. Promotion Office for TUT Programs on Adv. Sim. Eng.) OBATA, Shigeaki; MIURA, Toshiaki; SHIMOI, Yukihiko

- 1PB-216** Prominent photoluminescence of the size-controlled metaloxide subnanoparticles prepared by the dendrimer reactors inside mesoporous silica materials (Chem. Res. Lab., Tokyo Tech) HIRANO, Isao; IMAOKA, Takane; YAMAMOTO, Kimihisa
1PB-217 Development of the formation technique of Cu micron wiring by using the photo-patterning characteristics of organic-inorganic hybrid and electroless Cu plating. (Shibaura Inst. of Tech.) EGUUCHI, Masaya; OHISHI, Tomoji
1PB-218 Synthesis and properties of novel D-A type polymers containing alkoxy-substituted oligothiophenes (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) TADA, Naofumi; SAGAWA, Hitoshi; IMAE, Ichiro; KOMAGUCHI, Kenji; HARIMA, Yutaka
1PB-219 Optical properties of crystals of diketopyrrolo-pyrrole derivatives having various aliphatic substituents (TOKYO PRINTING INK MFG. CO., LTD. Technical Development Division; Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) TODA, Akehiro; SEKINE, Toshinari; IMAI, Kengo; OKADA, Naoya; MATSUMOTO, Shinya
1PB-220 Synthesis and properties of a novel polymer containing electron-accepting π -conjugated side chain (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) SHINJO, Ryunosuke; TAN, Zhifang; IMAE, Ichiro; KOMAGUCHI, Kenji; OHSHITA, Joji; HARIMA, Yutaka
1PB-221 Charge carriers in organic thin films studied by charge modulation (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) YAMAGUCHI, Ryohei; MIYATA, Masaru; TAKESHITA, Yuki; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
1PB-222 The synthetic method and basic property of the ligand-exchange method silver nanoparticles. (KANKYO RESILIENCE CO.,LTD) NAGASAWA, Hiroshi; SEIKE, Ryuta; SHOJI, Yosuke; ITO, Kiminori
1PB-223 Single-crystal film growth of organic semiconductor materials by double-shot inkjet printing technique (AIST FLEC) MINEMAWARI, Hiromi; NODA, Yuki; FUKUHARA, Katsuo; YAMADA, Toshikazu; TANAKA, Mutsuo; HASEGAWA, Tatsuo

Medical care, Health care

- 1PB-224** Evaluation of Kojic Acid appended carborane as a novel boron agent for BNCT (Grad. Sch. Eng., Osaka City Univ.; Osaka Pref. Univ. BNCT research center; Kyoto Univ. Research Reactor Institute) KAWASAKI, Riku; ONO, Koji; MASUNAGA, Shin-ichiro; SAKURAI, Yoshinori; KIRIHATA, Mitsunori; NAGASAKI, Takeshi
1PB-225 Size-controlled syntheses of boron-containing rare earth oxide nanoparticles for BNCT (Fac. Eng., Osaka City Univ.) IIZUKA, Shunsuke; YUKAWA, Hiroko; KAWASAKI, Riku; KATAGIRI, Kiyohumi; TOMITA, Koji; KIRIHATA, Mitsunori; NAGASAKI, Takeshi
1PB-226 Cell specific photodynamic effect by using zinc phthalocyanine/ β -1,3-glucan (Fac. Eng., Osaka City Univ.) HAGIHARA, Mami; SUZUKI, Toshio; AZUMA, Hideki; NAGASAKI, Takeshi
1PB-227 Development of the measurement technology of biomolecules by the functionalized dispersive beads (Grad. Sch. Biosci. Biotech., Tokyo Tech; JVC KENWOOD Corporation Innovation Research and Development Division; Keio Univ. School of Medicine; JVC KENWOOD Corporation Innovation Strategy Division) SAKAMOTO, Satoshi; HASEGAWA, Yuichi; YAGYU, Shingo; TSUJITA, Koji; ONO, Masayuki; KABE, Yasuaki; ITONAGA, Makoto; HANDA, Hiroshi
1PB-228 Creation of artificial luciferases and their applications to bioassays (RIEMT, AIST) KIM, Sung bae
1PB-229 Near Infra-red Luminescent Luciferin inovate in vivo imaging (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Grad. Sch. Biosci. Biotech., Tokyo Tech) IWANO, Satoshi; KANAMORI, Akane; KUCHIMARU, Takahiro; MAKI, Shojiro; KONDOH, Shinae; NIWA, Haruki
1PB-230 Rational design of spirocyclic rhodamine derivatives for multi-color cancer imaging (Grad. Sch. Med., The Univ. of Tokyo; Grad. Sch. Pharm., The Univ. of Tokyo; JST Basic Research Program) IWATATE, Ryu john; KAMIYA, Mako; URANO, Yasuteru
1PB-231 "Non-swellaable" hydrogels without mechanical hysteresis (Grad. Sch. Eng., The Univ. of Tokyo) KAMATA, Hiroyuki; CHUNG, Ung-il; SAKAI, Takamasa
1PB-232 Enhancing effect of the metabolite of l'-acetoxychavicol acetate (ACA) on mitochondrial apoptosis (Fac. Eng., Osaka City Univ.) KONISHI, Takahiro; AZUMA, Hideki; KOJIMA, Akiko; NAGASAKI, Takeshi
1PB-233 Development of easy rare cells identification and collection method (FIRST RCIN, Nagoya Univ.) OKAMOTO, Yukihiko; YUKAWA, Hiroshi; TOKESHI, Manabu; BABA, Yoshinobu
1PB-234 Near-Infrared Photodynamic Therapy Using Up-Conversion Lanthanide Nanoparticles. (Grad. Sch. Biosci. Biotech., Tokyo Tech) IIZUKA, Masayuki; IKEJIRI, Takuma; TANAKA, Tatsumi; SAWAMURA, Takashi; MURAYAMA, Yasutoshi; OTSUJI, Eigo; OGURA, Shun-ichiro; YUASA, Hideya
1PB-235 Preparation and Preclinical Evaluation of IER5/Cdc25B Targeted Low-molecular-weight Phospha Sugar Antitumor Agents (Grad. Sch. Sci. Technol., Shizuoka Univ.; Grad. Sch. Eng., Shizuoka Univ.; Hamamatsu

University School of Medicine Faculty of Medicine; Numazu National College of Technology Department of Material Engineering) YAMASHITA, Mitsuji; MAKITA, Reiko; YAMAOKA, Mayumi; FUJIE, Michio; NAKAMURA, Satoki; OSHIKAWA, Tatsu; YAMASHITA, Junko; KONDO, Mitsuru; HIRAKAWA, Kazutaka; TODA, Mitsuo; TANAKA, Yasutaka; OHNISHI, Kazunari; SUGIMURA, Haruhiko

- 1PB-236** Development of a novel system for selective sterilization of *Pseudomonas aeruginosa* utilizing its heme acquisition protein HasA (Grad. Sch. Sci., Nagoya Univ.) IWAI, Yusuke; SHOJI, Osami; SHIRATAKI, Chikako; TERADA, Mitsuyoshi; SUGIMOTO, Hiroshi; SHIRO, Yoshitsugu; OZAKI, Shin-ichi; WATANABE, Yoshihito
- 1PB-237** Strategic Synthetic Method of Functionalized Peptide Nucleic Acid for Cell Permeation (Tokyo kasei university Dept. of Environmental Science & Education) OKAMOTO, Erina; IKEDA, Hisafumi
- 1PB-238[#]** Design and synthesis of antimalarial agents with indoloquinolone cores (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) WANG, Ning; LU, Wen-jie; HAYASHI, Ikuya; KAWAFUCHI, Hiroyuki; INOKUCHI, Tsutomu
- 1PB-239[#]** Network structures in polysaccharide gels and its effect on swallowing (Grad. Sch. Marine Sci. and Technol., Tokyo Univ. of Marine Sci. and Technol.) MATSUKAWA, Shingo; BRENNER, Tom; SHIMADA, Ryota

Commodities for living

- 1PB-240** Synthesis and Properties of Liquid Crystalline Organogelators with Cholesteryl Benzoate Core (Hokkai Gakuen Univ. Faculty of Engineering; Grad. Sch. Eng. Sci., Kyushu Univ.; IMCE, Kyushu Univ.; Fac. Sci. Eng., Shimane Univ.) KUBO, Kenji; TSUJI, Kazuki; MATSUMOTO, Taisuke; UJIE, Seiji; MORI, Akira
- 1PB-241** Development of Super Gelator with Sugar Derivatives (KASTEC, Kyushu Univ.; ISIT; Nissan Chemical Industries, Ltd) ONO, Fumiyasu; HIRATA, Osamu; ICHIMARU, Keiko; SHINKAI, Seiji; WATANABE, Hisayuki
- 1PB-242** Rubber-like colloidal crystals with variable structure color and their chromogenic characteristics (NIMS Photonic Materials Unit; Fuji Chemical Co., LTD. Hautform Division) SAWADA, Tsutomu; FUDOZU, Hiroshi; FURUMI, Seiichi; KAWANAKA, Satoshi; UCHIDA, Fumio
- 1PB-243** Structure and functions of TIMP-like proteins regulating the fibrous structure of *Pteris penguin* Mabe pearl shell (Grad. Sch. Life Sci., Tohoku Univ.) AOKI, Masaru; SAEKI, Yuri; MURAMOTO, Koji; NAGANUMA, Takako; OGAWA, Tomohisa

Thursday, March 27, PM

(15:00~16:30)

Energy

- 1PC-201** H₂ generation from dehydrogenation of formic acid using new designed iridium complexes (ETRI, AIST; Brookhaven Nat. Lab.; JST, CREST) MANAKA, Yuichi; SUNA, Yuki; WANG, Wanhui; FUJITA, Etsuko; MUCKERMAN, James T.; HIMEDA, Yuichiro
- 1PC-202** Solid Electrolyte prepared by SPS method (NNCT) KATO, Masanao; KOIDE, Manabu; KUDO, Shio; DAIKO, Yusuke; SATO, Tomohiro
- 1PC-203** Development of high-performance electrochemical energy storage devices by using nanohybridization of molecular clusters with nanocarbon (Grad. Sch. Sci., Nagoya Univ.) YOSHIKAWA, Hirofumi; YAMADA, Tetsuya; KUME, Keita; AWAGA, Kunio
- 1PC-204** The crystallinity dependency of CaMn₂O₄·xH₂O electrocatalyst for oxygen evolving electrode of water-splitting (Grad. Sch. Eng., The Univ. of Tokyo) TAKI, Yuka; FUJII, Katsushi; SUGIYAMA, Masakazu; NAKANO, Yoshiaki
- 1PC-205** Development of Low-Temperature Sintering Technique for Plastic Dye-Sensitized Solar Cells (Grad. Sch. Frontier Sci., The Univ. of Tokyo) ZEN, Shungo; ONO, Ryo
- 1PC-206** in situ and operando analysis of electronic states in carbon-based cathode catalysts for polymer electrolyte fuel cell (ISSP, The Univ. of Tokyo) NIWA, Hideharu; KIUCHI, Hisao; MIYAWAKI, Jun; HARADA, Yoshihisa; OSHIMA, Masaharu; NABAE, Yuta; AOKI, Tsutomu
- 1PC-207** Highly efficient electrochemical reduction of carbon dioxide using a gallium oxide cathode (Panasonic Corp.) SEKIMOTO, Takeyuki; DEGUCHI, Masahiro; YOTSUHASHI, Satoshi; YAMADA, Yuka; MASUI, Tatemasa; KURAMATA, Akito; YAMAKOSHI, Shigenobu
- 1PC-208** Methane production by photo-induced CO₂ reduction using GaN-Si tandem photo-electrode (Panasonic Corp. Advanced Technology Research Laboratory; Fac. Sci., Tokyo Univ. of Sci.) YOTSUHASHI, Satoshi; DEGUCHI, Masahiro; YAMADA, Yuka; OHKAWA, Kazuhiro
- 1PC-209** Control of Reaction Environment on Electrochemical CO₂ Reduction with Combinatorial Screening System (Panasonic Corp. Advanced Technology Research Laboratory) HASHIBA, Hiroshi; YOTSUHASHI, Satoshi; DEGUCHI, Masahiro; SEKIMOTO, Takeyuki; NODA, Keiichi; YAMADA, Yuka
- 1PC-210[#]** Block Copolymer-Mediated Transfer Printing of Nanostructures: Application in Solar Cells (AIST Renewable Energy Research Center)

- MIZUNO, Hidenori; SAI, Hitoshi; MATSUBARA, Koji; KONDO, Michio
- 1PC-211** Separation functional materials for water and energy resources development (NIMS Polymer Materials Unit) ICHINOSE, Izumi
- 1PC-212** fabrication of compound semiconductor films for solar cells via supercritical ethanol selenization and sulfuration reaction (IMRAM, Tohoku Univ.) NAKAYASU, Yuta; TOMAI, Takaaki; HONMA, Itaru
- 1PC-213** Development of ionic conductive materials using organic ionic plastic crystals (EcoTopia Sci. Inst., Nagoya Univ.; JST-PRESTO) MORIYA, Makoto; NABENO, Shohei; WATANABE, Takaaki; SAKAMOTO, Wataru; YOGO, Toshinobu
- 1PC-214** Preparation of porous metal using polymer monolith template and its application to battery electrodes (Osaka Municipal Technical Research Institute) MITAMURA, Koji; WATANABE, Mitsuru; WATASE, Seiji; MATSUKAWA, Kimihiro
- 1PC-215** Proton Conductivities of Graphene Oxide Nanosheets (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) HATAKEYAMA, Kazuto; OGATA, Chikako; TATEISHI, Hikaru; KOINUMA, Michio; TANIGUCHI, Takaaki; HAYAMI, Shinya; MATSUMOTO, Yasumichi
- 1PC-216** Development of electrochemical capacitors with high energy and power densities using organic active materials (IMRAM, Tohoku Univ.) KOMATSU, Daiki; TOMAI, Takaaki; MITANI, Satoshi; HONMA, Itaru
- 1PC-217** Graphene Oxide Fuel Cell (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) TATEISHI, Hikaru; HATAKEYAMA, Kazuto; OGATA, Chikako; TANIGUCHI, Takaaki; KOINUMA, Michio; MATSUMOTO, Yasumichi
- 1PC-218** Clarification of Cs ion exchange reaction mechanism in silica gel supported by phase-separation porous glass framework (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) HIRAKAWA, Masaru; YAMASAKI, Kazuko; NAGASAWA, Hiroshi; NAKAZIMA, Hiromitsu; AMEMIYA, Takashi; ITOH, Kiminori
- 1PC-219** Synthesis of conductive carbon materials by solution plasma using hydrogen abstraction reaction by halogen atom (Grad. Sch. Eng., Nagoya Univ.) HAYASHI, Hiroki; LI, Helena oi lun; SAITO, Nagahiro
- 1PC-220** Investigation on the Controllable Synthesis of Nitrogen-Doped Carbon by Solution Plasma Process (Grad. Sch. Eng., Nagoya Univ.) HYUN, Koangyong; UENO, Tomonaga; SAITO, Nagahiro
- 1PC-221** Development of subnano platinum clusters as high reactive fuel cell catalyst (Chem. Res. Lab., Tokyo Tech) KITAZAWA, Hirokazu; IMAOKA, Takane; CHUN, Wang Jae; YAMAMOTO, Kimihisa
- 1PC-222** Development of Highly Durable 5cm-by-5cm Dye-sensitized Solar Cells (Fujikura Ltd. Environment and Energy Laboratory) MATSUMOTO, Daisuke; YAMAGUCHI, Takeshi; MATSUI, Hiroshi; TANABE, Nobuo
- 1PC-223** Design principles for a high performance iridium complex catalyst that allows the immobilization and effective utilization of carbon dioxide (ETRI, AIST) SUNA, Yuki; WANG, Wanhui; MANAKA, Yuichi; MUCKERMAN, James T.; FUJITA, Etsuko; HIMEDA, Yuichiro
- 1PC-224** Improvement of Photoelectric Conversion Efficiency of Dye-sensitized Solar Cells by (Y/N) Codoping Treatment (Kitakyushu Nat. Coll. of Tech.) ABIRU, Kentaro; YAMANE, Hirokazu
- 1PC-225** Synthesis of novel spin-probe dye and photovoltaic performances of dye-sensitized solar cells (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) HONDA, Sumihiko; KINOSHITA, Yusuke; KIMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
- 1PC-226** A Flexible Thermoelectric Sheet Equipped with Single-Walled Carbon Nanotubes (Grad. Sch. Mat. Sci., NAIST) NONOGUCHI, Yoshiyuki; OHASHI, Kenji; NAKANO, Motohiro; KAWAI, Tsuyoshi
- 1PC-227** Development of New Organic Thermoelectric Materials with Complexes (Tokyo Univ. of Sci., Yamaguchi) OSHIMA, Keisuke; OHKAWACHI, Yosuke; ICHIKAWA, Shoko; YOSHIDA, Akihito; TOSHIMA, Naoki
- 1PC-228** Photoelectrochemical Properties of the Thin Film Organic Photovoltaic Cells with Addition Peptide in the Active Layer (Kitakyushu Nat. Coll. of Tech.) SHINDO, Shinji; YAMANE, Hirokazu

Resources, Environment, GSC

- 1PC-229** Epoxy resins with high glass transition temperature from woody lignin obtained by steam explosion (Hitachi, Ltd.) KAGAWA, Hiroyuki; OKABE, Yoshiaki; SASAKI, Chizuru; NAKAMURA, Yoshitoshi
- 1PC-230** Properties of epoxy resins hardened by woody lignins obtained by steam explosion (Hitachi, Ltd.) KAGAWA, Hiroyuki; OKABE, Yoshiaki; SASAKI, Chizuru; NAKAMURA, Yoshitoshi
- 1PC-231** Lignin-derived epoxy resin and its possible application to electronic devices (Hitachi, Ltd.) KAGAWA, Hiroyuki; OKABE, Yoshiaki; SASAKI, Chizuru; NAKAMURA, Yoshitoshi
- 1PC-232** Development of Relation Technologies for Environmental and Energy Fields Based on the Ionic Semiconductor (Ion-Kagaku; Ltd.; TMCIT) KARINO, Hitoshi; TAMURA, Kenji
- 1PC-233** Development of Relation Technologies for Health Maintenance and Epidemics Countermeasure Based on the Aqueous of Stabilization Hypochlorous Acid (Kanbiken-Life Laboratory; TMCIT) HONDA, Yumi; TAMURA, Kenji
- 1PC-234** Radical Polymerization of Acrylic Acid Derivatives Using N-Hexylpyridinium Tetrafluoroborate as an Initiator (Tohoku Seikatsu Bunka Univ. Polymer Chemistry Laboratory) KANNO, Shuichi

Room A1

School of Agricultural Sciences - Lecture Building & Building B

Organic Chemistry -Reaction and Synthesis-
Organic Photochemistry

Thursday, March 27, AM

Chair: HATANO, Sayaka (9 : 50 ~ 10 : 50)

* 9:40-9:50: interval for laptop PC connection.(1A1-06, 1A1-07, 1A1-08, 1A1-09, 1A1-10, 1A1-11)

1A1-06 Generality and Mechanistic Elucidation of Photo-Promoted Cascade Cyclization of Triarylboranes (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.; IMCE, Kyushu Univ.) ANDO, Naoki; KUSHIDA, Tomokatsu; FUKAZAWA, Aiko; ITOYAMA, Shuhei; SHIOTA, Yoshihito; YOSHIZAWA, Kazunari; YAMAGUCHI, Shigehiro

1A1-07 Synthesis of naphthofuran from allyl(1-bromo-2-naphthyl)ether via photochemical radical cyclization (University of Fukui) SUZUKI, Yusuke; YOSHIMI, Yasuharu

1A1-08 Photo chemical reaction of cyanoarenes based on the excitation of the hypercoordinate organosilicon reagents (Fac. Sci. Eng., Shimane Univ.) MATSUOKA, Daisuke; NISHIGAICHI, Yutaka

1A1-09 Synthesis of C₂ Chiral Macrocyclic Polyethers by Intramolecular Photocycloaddition Reaction of Chromone Derivatives (Grad. Sch. Eng., Chiba Univ.) SAKAMOTO, Masami; KATABIRA, Satoshi; TAIRA, Ryo; YOSHIDA, Wataru; YAGISHITA, Fumitoshi; MINO, Takashi

1A1-10 Photoinduced radical perfluoroalkylation with bromo perfluoroalkane using 1-methylnaphthalene as a catalyst (Grad. Sch. Human. Sci., Ochanomizu Univ.) NISHII, Chihiro; NOGAMI, Emiko; YAJIMA, Tomoko

1A1-11 Supramolecular Photocyclodimerization of *trans*-Cinnamic Acid in Solution Mediated by (*S*)-Prolinol (Grad. Sch. Eng., Osaka Univ.) AZUMAI, Hiroki; NISHIJIMA, Masaki; FUKUHARA, Gaku; YANG, Cheng; MORI, Tadashi; INOUE, Yoshihisa

Chair: SAKAMOTO, Masami (11 : 00 ~ 12 : 00)

* 10:50-11:00: interval for laptop PC connection.(1A1-13, 1A1-14, 1A1-15, 1A1-16, 1A1-17)

1A1-13 Photochemical synthesis of 5,10-disubstituted [5]helicene (Grad. Sch. Eng., Kyoto Univ.) ITO, Natsuki; HIROSE, Takashi; MATSUDA, Kenji

1A1-14 A Synthetic Study of Hexaprismane Derivatives via Photochemical Reaction of Fluorinated [33](1,3,5)cyclophane (Fac. Sci., Kyushu Univ.) ZHANG, Hua; SI SI, Aung; GOTO, Kenta; SHINMYOZU, Teruo

1A1-15 Study on photochemical[2+2] cycloaddition of allylamine derivative (Fac. Sci., Hiroshima Univ.) UCHIHASHI, Kengo; ABE, Manabu

1A1-16 Diastereodifferentiating photocyclodimerization of 2-anthracenecarboxylates tethered to chiral 1,2- and 1,3-diol scaffolds (Grad. Sch. Eng., Osaka Univ.) KUROKAWA, Yuki; IIDA, Kazuhiro; NISHIJIMA, Masaki; FUKUHARA, Gaku; MORI, Tadashi; INOUE, Yoshihisa

1A1-17* Synthesis and Photochemical Reactivity of Caged-compounds with Novel Stilbene-based Two-photon Chromophore (Grad. Sch. Sci., Hiroshima Univ.) BOINAPALLY, Srikanth; ABE, Manabu

Thursday, March 27, PM

Chair: IKEDA, Hiroshi (13 : 10 ~ 14 : 10)

* 13:00-13:10: interval for laptop PC connection.(1A1-26, 1A1-29, 1A1-30)

1A1-26 Young Scholar Lectures of CSJ Highly Enantioselective Photochirogenesis Mediated by Biomolecular Hosts (Osaka Univ. Office for University-Industry Collaboration) NISHIJIMA, Masaki

1A1-29 Generation of Chirality by Photodimerization of Chromone-2-carboxylic Esters (Grad. Sch. Eng., Chiba Univ.; CAI, Chiba Univ.) BABA, Nozomi; YAGISHITA, Fumitoshi; MINO, Takashi; SAKAMOTO, Masami

1A1-30* Studies on photoinduced dimerization- perfluoroalkylation of anthracene (Grad. Sch. Human. Sci., Ochanomizu Univ.) NOGAMI, Emiko; YAJIMA, Tomoko

Chair: YASUYUKI, Araki (14 : 20 ~ 15 : 20)

* 14:10-14:20: interval for laptop PC connection.(1A1-33, 1A1-34, 1A1-35, 1A1-36, 1A1-38)

1A1-33 Photo-induced elimination of the benzyl group of a 2,5-diamino-3,6-dichloro-1,4-benzoquinone derivative (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) SHIMADA, Yuta; MATSUMOTO, Shinya; HORIGUCHI-BABAMOTO, Emi

1A1-34 Improvement of Photochemical Efficiency of Caged Compounds Based on Photoinduced Electron Transfer Reaction (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) MORITA, Riho; MOMOTAKE, Atsuya; ARAI, Tatsuo

1A1-35 Debenzylation of tyrosine derivatives via photoinduced electron transfer (University of Fukui) OKITA, Yoshiaki; YOSHIMI, Yasuharu

- 1PC-235** Synthesis of Arylquinones from Hydroquinones Using Tandem One-Pot Oxidation/Cross Coupling Reactions (Grad. Sch. Eng., Nagoya Univ.; JST CREST) NAGATA, Dai; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 1PC-236** Facile immobilization strategy of ligands and antibodies on gold nanoparticles using gold-binding peptide (NSED, JAEA) SHIMOJO, Kojiro; NAGANAWA, Hirochika
- 1PC-237** Highly Efficient Synthesis of Optically Pure alpha-Amino Acid Derivatives through Highly Selective Alkylation to alpha-Imino Esters with Grignard Reagents (Grad. Sch. Eng., Nagoya Univ.) YAMASHITA, Kenji; MIZUNO, Mai; HATANO, Manabu; ISHIHARA, Kazuaki
- 1PC-238** R & D of Non-heated Rare-Earth Recovery Technique from Spent Nd-Fe-B sintered magnets (Fac. Sci. Eng., Shimane Univ.) SASAI, Ryo; SHIMAMURA, Hisanao
- 1PC-239*** Boronic Acid-DMAP(O) Cooperative Catalysis for Dehydrative Condensation between Carboxylic Acids and Amines (Grad. Sch. Eng., Nagoya Univ.) LU, Yanhui; ISHIHARA, Kazuaki
- 1PC-240** Development of Polymeric Materials with High Refractive Index and Abbe Number Using Sulfur-Containing Organic-Inorganic Hybrids (Grad. Sch. Eng., Kyoto Univ.) YAMANE, Honami; TANAKA, Kazuo; CHUJO, Yoshiki
- 1PC-241** Synthesis of dithiocarboxylic acid derivatives in aqueous media and their metal-chelating ability (Grad. Sch. Eng., Osaka Pref. Univ.; Water Agency Inc.) NOMOTO, Akihiro; OZAKI, Toshiya; SAITO, Toshiyuki; HAMADA, Hideharu; ROKUDAI, Minoru; SAKAI, Yuta; KINOSHITA, Yuma; UESHIMA, Michio; OGAWA, Akiya
- 1PC-242*** Optical properties of confetto-like Au nanoparticles and their applications (National University of Science and Technology) UJIHARA, Masaki; IMAE, Toyoko
- 1PC-243** Application of mixed metal multifunctional hybridized material toward eco-friendly type antimicrobial and funginert agent (Grad. Sch. Integrated Arts Sci., Kochi Univ.) YONEMURA, Toshiaki; FUJIHARA, Keisuke
- 1PC-244** Mechanism of thermally driven asymmetric domino reaction catalyzed by a thermostable esterase (Fac. Sci. Tech., Keio Univ.) IGARASHI, Kosuke; YOSHIDA, Shosuke; MIYAMOTO, Kenji
- 1PC-245** Autonomous Stepwise Process for Reduction of Hexavalent Chromium Ions in Aqueous Solution by Using Hydrogel Beads Having Poly (ethylene glycol) Chains (Nagoya Municipal Industrial Research Institute) ISHIGAKI, Yuzo; KINOSHITA, Takehiko; YAMAGUCHI, Koichi; SHIBATA, Nobuyuki; NAKANO, Kazunori; AKITA, Shigendo; NII, Susumu
- 1PC-246** High-quality graphene synthesized by supercritical fluid (IMRAM, Tohoku Univ.) OKA, Nobuto; TOMAI, Takaaki; HONMA, Itaru
- 1PC-247** Non-catalyst alcoholysis of fiber reinforced plastics under pressurized microwave irradiation (Fac. Eng., Sojo Univ.) IKENAGA, Kazutoshi; ITO, Yusuke; UTSUNOMIYA, Saori
- 1PC-248** Synthesis and characterization of the polymers that contain azaphenylene in the main chain conjugation (Grad. Sch. Eng., Kyoto Univ.) HIROSE, Masataka; TANAKA, Kazuo; CHUJO, Yoshiki
- 1PC-249** Highly-transluent aerogel thermal insulators with no need for supercritical drying (Grad. Sch. Sci., Kyoto Univ.) HAYASE, Gen; KANAMORI, Kazuyoshi; NAKANISHI, Kazuki
- 1PC-250** Regioselective Hydroxylation of Aromatic Compounds Catalyzed by Wild-Type Cytochrome P450BM3 by inducing its substrate misrecognition (Grad. Sch. Sci., Nagoya Univ.) YOKOBORI, Jun; IZU, Hitoshi; KUNIMATSU, Tatsuya; KAWAKAMI, Norifumi; SHOJI, Osami; KAMACHI, Takashi; YOSHIZAWA, Kazunari; WATANABE, Yoshihito
- 1PC-251** Catalytic Activity of Platinum Subnanocluster for Oxidation Reactions (Chem. Res. Lab., Tokyo Tech) TAKAHASHI, Masaki; IMAOKA, Takane; YAMAMOTO, Kimihisa
- 1PC-252** Influence of the solvent molecule given to the carbon composition reaction velocity by solution plasma (Sch. Eng., Nagoya Univ.) YOSHIDA, Akihito; UENO, Tomonaga; SAITO, Nagahiro
- 1PC-253** Detrapping process of atomic hydrogen encapsulated in cage shaped molecules in organic solvents (Fac. Eng., Hiroshima Univ.) MAEDA, Tetsuya; OKAYAMA, Ryouta; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
- 1PC-254** Mechanism of hetero carbon formation in solution plasma reaction field (Grad. Sch. Eng., Nagoya Univ.) SUDARE, Tomohito; UENO, Tomonaga; SAITO, Nagahiro
- 1PC-255** Site-Specific Chemical Modification for Development of Novel Biocatalysts (Grad. Sch. Sci. Eng., Univ. of Toyama) NAKAI, Takahiko; KIRII, Naoya; NAKATA, Syun; OYAMA, Hiroshi; HORINO, Yoshikazu; UMEZAKI, Masahito; KURODA, Hirofumi; ONO, Shin
- 1PC-256** Production of useful substances from sunflower seed by microwave chemistry (KIT Faculty of CSSE) HARAGUCHI, Shunichi; WATANABE, Akira; IWAHASHI, Nobuyuki; MOHAMAD ASIF, Mirdad; ABE, Makiko; OHUCHI, Shokichi
- 1PC-257** Bioethanol production by use of microwave heating for saccharification, fermentation, and distillation processes (KIT Fac. of CSSE; Fac. Sci. Technol., Tokyo Univ. of Sci.) NAGAYOSHI, Wataru; NAKAYAMA, Shota; SHIRAKAWA, Shinichiro; IWAHASHI, Nobuyuki; YOSHIMURA, Takeo; OHUCHI, Shokichi

- 1A1-36*** "The Excited State C-C Bond Cleavage-Emission" Process of Methylcyclopropane Derivatives (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) MATSUI, Yasunori; KIDO, Taiki; OHTA, Eisuke; IKEDA, Hiroshi
- 1A1-38** Mechanistic Studies on Enantiodifferentiating Photocyclodimerization of 2,6-Anthracenedicarboxylate Mediated by Human Serum Albumin. (Grad. Sch. Eng., Osaka Univ.) TANAKA, Koichiro; NISHIJIMA, Masaki; FUKUHARA, Gaku; YANG, Cheng; MORI, Tadashi; INOUE, Yoshihisa

Chair: MOMOTAKE, Atsuya (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(1A1-40, 1A1-41, 1A1-42, 1A1-43, 1A1-44, 1A1-45)
- 1A1-40** Characterization and Reactivities of Triplet (9-Anthryl)(aryl)carbenes Protected by Bulky Substituents (Grad. Sch. Eng., Mie Univ.; Fac. Eng., Mie Univ.; Mie Univ. Community-University Research Cooperation Center) HASHIMOTO, Yuichi; TACHI, Minoru; HIRAI, Katsuyuki; KITAGAWA, Toshikazu
- 1A1-41** Photoinduced electron transfer reactions of cyclic nitrons: Generation of active oxygen species (The Univ. of Tokushima Graduate School of ATS) NISHINO, Satoshi; UETA, Shoko; NISHIUCHI, Masaki; KAWAMURA, Yasuhiko
- 1A1-42** Synthesis and Function of DNA Cleaving Molecules Possessing Photo-triggering Functionality (The Univ. of Tokushima) UETA, Shoko; KATO, Toshimasa; NISHIUCHI, Masaki; KAWAMURA, Yasuhiko
- 1A1-43** Novel chemical reactions using visible intense laser (Fac. Eng., Kanagawa Univ.) IWAKURA, Izumi; KOMORI-ORISAKU, Keiko; YAMAMURO, Risa; HASHIMOTO, Sena; KOIDE, Yoshihiro; AKAI, Shoji; SATO, Ken-ichi
- 1A1-44** Supramolecular Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate with Proteins & Polymer Hybrids as Chiral Reaction Medias-5 -Effects of PEGylation- (IMRAM, Tohoku Univ.; CASI, Osaka Univ.; Grad. Sch. Eng., Osaka Univ.; Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OKUGI, Mitsuru; NISHIJIMA, Masaki; MINATO, Sakie; ARAKI, Yasuyuki; SAKAMOTO, Seiji; IKEDA, Yutaka; NAGASAKI, Yukio; INOUE, Yoshihisa; WADA, Takehiko
- 1A1-45** Photochemical reaction and control on aggregation of azobenzene- and anthracene-functionalized gold nanoparticles. (Fac. of Sci., Okayama Univ. of Sci.) YOSHIOKA, Chieko; WAKAMATSU, Kan; YAMADA, Haruo

Chair: SUENOBU, Tomoyoshi (16 : 40~17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(1A1-47, 1A1-48, 1A1-49, 1A1-50, 1A1-51)
- 1A1-47** Photo-oxygenation reaction of cyclohexene by the novel cationic metallophthalocyanine adsorbed on the inorganic nano layered compound (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) RYOU, Honna; TAKAMASA, Tsukamoto; TETSUYA, Shimada; SHINSUKE, Takagi
- 1A1-48** Efficient syntheses of peroxybenzoic acids by aerobic photooxidation of toluenes and application to one-pot epoxidation of olefins (Gifu Pharm. Univ.) TAGUCHI, Miyabi; CUI, Lei; ITOH, Akichika; TADA, Norihiro
- 1A1-49** Aerobic photooxidation of amides to imides with anthraquinones (Gifu Pharm. Univ.) ITO, Izuh; MATSUSAKI, Yoko; TADA, Norihiro; ITO, Akichika
- 1A1-50** Aerobic Photo-Oxidation of Methyl Groups on Aromatic Heterocycles with Catalytic Iodine (Gifu Pharm. Univ.) NAGASAWA, Yoshitomo; TADA, Norihiro; MIURA, Tsuyoshi; ITOH, Akichika
- 1A1-51** Photochemical oxygenation of cyclohexene with water sensitized by silicon porphyrin (Urban Environmental Sci., Tokyo Metropolitan Univ.) HIRANO, Takehiro; REMELLO, Sebastian nybin; NABETANI, Yu; YAMAMOTO, Daisuke; ONUKI, Satomi; TACHIBANA, Hiroshi; INOUE, Haruo

Friday, March 28, AM

Chair: SHIRAGAMI, Tsutomu (9 : 50 ~10 : 50)

- * 9:40-9:50: interval for laptop PC connection.(2A1-06, 2A1-07, 2A1-08, 2A1-09, 2A1-10)
- 2A1-06** Aminomethylation with Organoborates by Iridium Photoredox Catalysis (Chem. Res. Lab., Tokyo Tech) MIYAZAWA, Kazuki; KOIKE, Takashi; AKITA, Munetaka
- 2A1-07** Radical Addition Reactions of Organoborates with Electron-deficient Alkenes by Organophotoredox Catalysis (Chem. Res. Lab., Tokyo Tech) CHINZEL, Tatsuya; MIYAZAWA, Kazuki; KOIKE, Takashi; AKITA, Munetaka
- 2A1-08** Chemical Adsorption of Aluminum Porphyrins on Semiconductor through Axial Ligand (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) ONUKI, Satomi; SAGAWA, Shogo; KUTTASSERY, Fazalurahman; MATHEW, Siby; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 2A1-09** Hydrogen Evolution from Benzene Derivatives Using Carbon Nanotubes as a Photocatalyst (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) KOHNO, Naoki; OHKUBO, Kei; FUKUZUMI, Shunichi
- 2A1-10*** Molecular reaction mechanism of photochemical CO₂ reduction sensitized by rhenium bipyridine complexes: study by XAFS (Grad. Sch.

Urban Environmental Sci., Tokyo Metropolitan Univ.) KOU, Youki; NABETANI, Yu; TACHIBANA, Hiroshi; SATO, Tokushi; NOZAWA, Shunsuke; ADACHI, Shinichi; INOUE, Haruo

Chair: FUJITSUKA, Mamoru (11 : 00~12 : 00)

- * 10:50-11:00: interval for laptop PC connection.(2A1-13, 2A1-14, 2A1-15, 2A1-16, 2A1-17, 2A1-18)
- 2A1-13** Decarboxylation and the following adduct to alkenes using TiO₂ photocatalyst (Grad. Sch. Sci. Eng., Chuo Univ.) SHIMAOKA, Kento; TAKEDA, Yuki; KUWAHARA, Shota; KATAYAMA, Kenji
- 2A1-14** TiO₂-photocatalytic hydrogen-transformation of by-products derived from bio-diesel synthesis (Fac. Eng., Univ. of Miyazaki) YASUDA, Masahide; KUROI, Ryo; TOMO, Takayuki; SHIRAGAMI, Tsutomu
- 2A1-15** Development and fluorescent properties of heteroleptic tris(dipyrrinato)Indium(III) complexes (Grad. Sch. Sci., The Univ. of Tokyo) KUSAKA, Shinpei; SAKAMOTO, Ryota; NISHIHARA, Hiroshi
- 2A1-16** Study on the Aequorea bioluminescence mechanism: Reinvestigation of the emitter anion structure using π -conjugation-extended coelenteramide analogs (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Gunma Univ. Faculty of Science and Technology) HAYASHI, Chihito; YAMAJI, Minoru; MAKI, Shojiro; HIRANO, Takashi
- 2A1-17** Studies on the color modulation mechanism of firefly bioluminescence with aminoluciferin analogs for evaluating the luciferase property (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) MATSUHASHI, Takuto; VIVIANI R., Vadim; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi
- 2A1-18** Highly efficient multicolor emission properties of firefly-inspired fluorophores (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Gunma Univ. Faculty of Science and Technology) UEHARA, Takuya; YAMAJI, Minoru; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi

Friday, March 28, PM

Chair: OHKUBO, Kei (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(2A1-26, 2A1-27, 2A1-28, 2A1-29, 2A1-30, 2A1-31)
- 2A1-26** Ground-State Interaction and Photochemistry of Intramolecular Donor-Acceptor System. 1.Effect of Substituent on Linker (Grad. Sch. Eng., Osaka Univ.) MATSUKI, Nobuo; AOKI, Yoshiaki; MORI, Tadashi; HUKUHARA, Gaku; INOUE, Yoshihisa
- 2A1-27** Ground-State Interaction and Photochemistry of Intramolecular Donor-Acceptor System.2. Effect of Linker Length and Pattern (Sch. Eng., Osaka Univ.) AOKI, Yoshiaki; MORI, Tadashi; FUKUHARA, Gaku; INOUE, Yoshihisa
- 2A1-28** Synthesis and Optical Properties of Porphyrin-Diazaporphyrin Hetero Dimers (Grad. Sch. Eng., Kyoto Univ.) FUJII, Daisuke; MATANO, Yoshihiro; NAKANO, Haruyuki; IMAHORI, Hiroshi
- 2A1-29** Synthesis and application of benzoporphyrin—fullerene linked molecules for organic photovoltaics (Grad. Sch. Mat. Sci., NAIIST) TAMURA, Yuto; SAEKI, Hiroyuki; KUZUHARA, Daiki; YAMADA, Hiroko
- 2A1-30** Evaluation of Cascade Light-Harvesting Functionality Evolved in Multichromophoric dendrimers (Grad. Sch. Eng., Shizuoka Univ.) TAKAHASHI, Masaki; UI, Michiki; SENGOKU, Tetsuya; YODA, Hidemi
- 2A1-31** Upconversion Sensitizing Properties of Anthracene-Ruthenium Conjugate Molecule (Grad. Sch. Eng., Shizuoka Univ.) TAKAHASHI, Masaki; MORI, Toshihiro; SENGOKU, Tetsuya; YODA, Hidemi

Room A2

School of Agricultural Sciences - Lecture Building & Building B

Organic Chemistry -Reaction and Synthesis- Aromatic Compounds

Thursday, March 27, AM

Chair: UEDA, Mitsuhiro (9 : 20 ~10 : 10)

- * 9:10-9:20: interval for laptop PC connection.(1A2-03, 1A2-04, 1A2-05, 1A2-06, 1A2-07)
- 1A2-03** Cross-coupling of Aryl Diazonium Salts Induced by Polyaniline (Sch. Eng., Osaka Univ.) AMAYA, Toru; HATA, Dai; HIRAO, Toshikazu
- 1A2-04** Oxidative Carbon-Carbon Bond Forming Reaction Based on Redox Function of Quinonediimines (Grad. Sch. Eng., Osaka Univ.) AMAYA, Toru; SUZUKI, Riyo; HIRAO, Toshikazu
- 1A2-05** π -Face Selective Dimeric Aggregation and π -Face Chiral Recognition of Propeller-shaped Ethynylhelicene Macrocyclic Trimer with Two Different Chiral π -Faces (Grad. Sch. Pharm. Sci., Tohoku Univ.) SAITO, Nozomi; TERAKAWA, Ryo; YAMAGUCHI, Masahiko
- 1A2-06** Synthesis, Aggregation, and Assembly-Formation of Amphiphilic Ethynylhelicene Oligomer Possessing Triethyleneglycol Terminal Groups (Grad. Sch. Pharm. Sci., Tohoku Univ.) SAITO, Nozomi; KOBAYASHI, Higashi; YAMAGUCHI, Masahiko

1A2-07 Synthesis of Ethynylhelicene Oligomers with Hydrophilic Triethylene glycol Side Chains (Grad. Sch. Pharm. Sci., Tohoku Univ.) SAITO, Nozomi; NISHIMURA, Takehiro; YAMAGUCHI, Masahiko

Chair: SAITO, Nozomi (10 : 20~11 : 00)

* 10:10-10:20: interval for laptop PC connection.(1A2-09, 1A2-10, 1A2-11, 1A2-12)

1A2-09 Functionalization of Fullerene via [2+2] Cycloaddition (Grad. Sch. Sci., Osaka Pref. Univ.) KUBO, Haruka; UEDA, Mitsuhiro; WATANABE, Kentaro; YASUDA, Hiroshi; RYU, Ilhyong

1A2-10[#] Regioselective synthesis of 1,4-bisfunctionalized fullerenes via NBS-promoted oxidation of fullerene monoradical (WPI-AIMR, Tohoku Univ.) SI, Weili; ASAO, Naoki; YAMAMOTO, Yoshinori; JIN, Tienan

1A2-11 Synthesis of [5]helicene derivatives by using AuCl catalyzed cyclization (Grad. Sch. Sci., Eng., Ehime Univ.; INCS, Ehime Univ.) NAKAE, Takahiro; KITAHATA, Yoshiharu; MORI, Shigeki; OKUJIMA, Tetsuo; UNO, Hidemitsu

1A2-12 Synthesis of benzo- and naphtho-fused biazulene molecules and their properties (Grad. Sch. Sci., Eng., Ehime Univ.; INCS, Ehime Univ.; Grad. Sch. Med., Yamaguchi Univ.) NAKAE, Takahiro; KIKUCHI, Takashi; MORI, Shigeki; OKUJIMA, Tetsuo; UNO, Hidemitsu; MURAFUJI, Toshihiro

Chair: AMAYA, Toru (11 : 10~11 : 50)

* 11:00-11:10: interval for laptop PC connection.(1A2-14, 1A2-15, 1A2-16, 1A2-17)

1A2-14 Trapping of intermediates using the chiral nanoparticles aggregation in the hetero-double-helix two-component gel formation (Grad. Sch. Pharm. Sci., Tohoku Univ.) MIYAGAWA, Masamichi; YAMAGUCHI, Masahiko

1A2-15 Molecular Thermal Hysteresis in the Double-Helix Formation of Ethynylhelicene Oligomers in Solution (Grad. Sch. Pharm. Sci., Tohoku Univ.) MIYAGAWA, Masamichi; YAGI, Atsushi; YAMAGUCHI, Masahiko

1A2-16 Asymmetric Synthesis of S-Shaped Double Helicene-Like Molecules via Rhodium-Catalyzed Intramolecular Double [2+2+2] Cycloaddition (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KIMURA, Yuki; TAKEUCHI, Masayuki; FURUMI, Seiichi; TANAKA, Ken

1A2-17[#] Iterative Suzuki-Miyaura Coupling for Oligo(naphthalene-2,3-diyl)s with a Chiral Terminal Boronyl Group: Synthesis and Control of the Chiral Conformation (Grad. Sch. Eng., Kyoto Univ.) ISHIBASHI, Aoi; YAMAMOTO, Takeshi; SUGINOME, Michinori

Thursday, March 27, PM

Chair: FUKUSHIMA, Takanori (13 : 00~14 : 00)

* 12:50-13:00: interval for laptop PC connection.(1A2-25)

1A2-25 CSJ Award for Creative Works Non-Planar π -Conjugated Compound "Buckybowl" Based on Synthetic Organic Chemistry (IMS) SAKURAI, Hidehiro

Chair: SHIMIZU, Soji (14 : 10~15 : 00)

* 14:00-14:10: interval for laptop PC connection.(1A2-32, 1A2-33, 1A2-34, 1A2-35)

1A2-32 Novel synthesis of 5-alkylated tetrabenzoporphyrins using Suzuki coupling reaction (Fac. Eng., Utsunomiya Univ.) UNO, Daiki; DBA, Toru; ITO, Satoshi; SASAKI, Akira

1A2-33 Investigation on substituent introduction at beta position of porphyrin by Diels-Alder reaction (Grad. Sch. Sci., Eng., Ehime Univ.) YOSHINOCHI, Tomoko; MORI, Shigeki; NAKAE, Takahiro; OKUJIMA, Tetsuo; UNO, Hidemitsu

1A2-34 Synthesis and physical properties of chlorophyll derivatives modified at the oxo group in E ring (Ritsumeikan Univ. Grad. Sch. Life Sci.) TAMIYAKI, Hitoshi; TSUJI, Kazuki; MIYATAKE, Tomohiro

1A2-35* Alkylation at the C13² position of chlorophyll derivatives and their stereochemistry (Ritsumeikan Univ. Graduate School of Life Sciences) OGASAWARA, Shin; TAMIYAKI, Hitoshi

Chair: YAGAI, Shiki (15 : 10~16 : 00)

* 15:00-15:10: interval for laptop PC connection.(1A2-38, 1A2-40, 1A2-41, 1A2-42)

1A2-38* Selective Alternate Trilithiation of Hexaphenylbenzene Framework with Unstable Aryllithiums as Lithiating Reagents (Grad. Sch. Arts and Sci., The Univ. of Tokyo) KOJIMA, Tatsuo; HIRAOKA, Shuichi

1A2-40 Highly efficient synthesis of C_{2v}-symmetric gear-shaped amphiphiles and their self-assembly to form a water-soluble nanocube (Grad. Sch. Arts and Sci., The Univ. of Tokyo) OGATA, Kazuho; HIRAOKA, Shuichi; KOJIMA, Tatsuo

1A2-41 Synthesis, aggregation, and Thermotropic Liquid Crystal Formation of Ethynylhelicene Oligomers Possessing Dendritic Mesogenic Moieties at the Termini (Grad. Sch. Pharm. Sci., Tohoku Univ.) SAITO, Nozomi; YAMAGUCHI, Masahiko

1A2-42[#] The synthesis of ethynylhelicene oligomers with guanidinium terminus (Grad. Sch. Pharm. Sci., Tohoku Univ.) SAITO, Nozomi; YAN, Liwei; YAMAGUCHI, Masahiko

Chair: OKUJIMA, Tetsuo (16 : 10~16 : 50)

* 16:00-16:10: interval for laptop PC connection.(1A2-44, 1A2-45, 1A2-46, 1A2-47)

1A2-44 Synthesis, and properties, and reactivity of N-confused corrole copper (III) complexes. (Grad. Sch. Eng., Kyushu Univ.) NODA, Katsuya; FURUTA, Hiroyuki; TOGANO, Motoki; MORI, Shigeki

1A2-45 Synthesis and Properties of Tetrathiafulvalene-Annulated Silicon Phthalocyanine Oligomers (Sch. Sci., Tohoku Univ.) SHIINA, Yuta; SHIMIZU, Soji; KOBAYASHI, Nagao

1A2-46 Synthesis and Properties of 4,4'-Diethynyl-*o*-terphenyl trimer and tetramer (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) KISHIMOTO, Naoki; SHIMIZU, Hideyuki; IYODA, Masahiko; OTANI, Hiroyuki

1A2-47 Synthesis and aggregation behavior cyclotrimerized palladium complex of 1,2-bis(5-tropolonyl)ethynylbenzene (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) SUMI, Chisaki; SHIMIZU, Hideyuki; IYODA, Masahiko; OTANI, Hiroyuki

Chair: KOJIMA, Tatsuo (17 : 00~17 : 50)

* 16:50-17:00: interval for laptop PC connection.(1A2-49, 1A2-50, 1A2-51, 1A2-52, 1A2-53)

1A2-49 Selective cyclization of biphenylacetylenes within an octahedral hollow cage (Grad. Sch. Eng., The Univ. of Tokyo) FUJII, Yuya; TAKEZAWA, Hiroki; MURASE, Takashi; FUJITA, Makoto

1A2-50 Formation of Polysubstituted Phenanthrene Derivatives by Photocyclization Reaction (Grad. Sch. Sys. Eng., Wakayama Univ.) IKEDA, Yuto; OUGA, Hideji; SAKAMOTO, Hidefumi

1A2-51 Synthesis and fluorescence emission properties of pyrene-based extended π -conjugated giant molecules (Grad. Sch. Sci. Eng., Saga Univ.) TOMIYASU, Hirotosugu; YAMATO, Takehiko

1A2-52 Synthesis and properties of p-type semiconductors having multiple photo-removable solubilizing units for application in solution-processed organic solar cells (Grad. Sch. Mat. Sci., NAIST; Grad. Sch. Sci., Eng., Yamagata Univ.; JST CREST) UCHINAGA, Kensuke; YAMAGUCHI, Yuuji; SUGII, Shuhei; SUZUKI, Mitsuharu; NAKAYAMA, Ken-ichi; YAMADA, Hiroko

1A2-53 Evaluation of complexation ability of diporphyrin with chiral nano π space and fullerenes (Grad. Sch. Sci., Eng., Ehime Univ.) KAWAMOTO, Naoki; MORI, Shigeki; NAKAE, Takahiro; OKUJIMA, Tetsuo; UNO, Hidemitsu

Friday, March 28, AM

Chair: TAKEDA, Youhei (9 : 00 ~9 : 50)

* 8:50-9:00: interval for laptop PC connection.(2A2-01, 2A2-02, 2A2-03, 2A2-04, 2A2-05)

2A2-01 Electrophilic Activation of Fluoroalkenes: Construction of Pinpoint-Fluorinated Aromatic Rings (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHIGENO, Kento; MORIKAWA, Toshiyuki; FUCHIBE, Kohei; ICHIKAWA, Junji

2A2-02 Electrophilic Activation of Fluoroalkenes: Synthesis of Fluorinated Phenanthrene Derivatives (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KINOSHITA, Ryo; TAKANOHASHI, Tsuyoshi; FUJITA, Takeshi; ICHIKAWA, Junji

2A2-03 Stereoselective Synthesis of Vinyl Triflones and Heteroaryl Triflones (Nagoya Inst. of Tech. Graduate School of Engineering) TANIGUCHI, Misaki; XU, Xiu-hua; TOKUNAGA, Etsuko; SHIBATA, Norio

2A2-04 Preparation and structure of fluorine-containing fused aromatic compound (Coll. Eng., Ibaraki Univ.) IWASHITA, Shogo; FUKUMOTO, Hiroki; KUBOTA, Toshio

2A2-05 Development of aromatic trihalomethylations between aromatic Grignard reagents and dibromodifluoromethane (Sagami Chemical Research Institute) SHIOSAKI, Masahiro; INOUE, Munenori

Chair: HIRASHITA, Tsunehisa (10 : 00~10 : 50)

* 9:50-10:00: interval for laptop PC connection.(2A2-07, 2A2-08, 2A2-09, 2A2-10)

2A2-07 Radical Arylation of Benzene Mediated by Cyanoborohydride Reagents (Fac. Sci., Osaka Pref. Univ.) SATO, Aoi; KAWAMOTO, Takuji; RYU, Ilhyong

2A2-08 Hydroxylation of Arylboronic Acid in the Presence of Borohydride and Oxygen (Grad. Sch. Sci., Osaka Pref. Univ.) KAWAMOTO, Takuji; RYU, Ilhyong

2A2-09 Facile Synthesis of Multisubstituted *ortho*-Silylaryl Triflates via C-H Borylation (IBB, Tokyo Med. and Dental Univ.) SHIMOMORI, Ken; YOSHIDA, Suguru; NONAKA, Takako; HOSOYA, Takamitsu

2A2-10* Application of Substituted Thiazolobenzenes and Thioamination of arynes for Facile Synthesis of Multisubstituted Benzothiazoles (IBB, Tokyo Med. and Dental Univ.) YANO, Takahisa; YOSHIDA, Suguru; MATSUSITA, Takeshi; HOSOYA, Takamitsu

Chair: FUCHIBE, Kohei (11 : 00~11 : 50)

* 10:50-11:00: interval for laptop PC connection.(2A2-13, 2A2-15, 2A2-16, 2A2-17)

2A2-13* Modular Synthesis of Bistriazoles by the Sequential Azide-Aryne/

- Azide-Alkyne Cycloadditions Based on a Novel Generation Method of Arynes (IBB, Tokyo Med. and Dental Univ.) YOSHIDA, Suguru; NONAKA, Takako; MORITA, Takamoto; UCHIDA, Keisuke; HOSOYA, Takamitsu
- 2A2-15** Intramolecular Azide-Aryne Cycloaddition Based on a Novel Aryne Generation Method (IBB, Tokyo Med. and Dental Univ.) MORITA, Takamoto; YOSHIDA, Suguru; HOSOYA, Takamitsu
- 2A2-16** Efficient Generation and Various Transformations of Highly Reactive 3-Triflyloxybenzynes (IBB, Tokyo Med. and Dental Univ.) UCHIDA, Keisuke; YOSHIDA, Suguru; HOSOYA, Takamitsu
- 2A2-17** Pictet-Spengler Reaction of β -Aminoethylarenes with Aldehydes in Subcritical Water (Nagoya Inst. of Tech. Graduate School of Engineering) OGAWA, Masaki; HIRASHITA, Tsunehisa; ARAKI, Shuki

Friday, March 28, PM

Chair: KANNO, Ken-ichiro (13 : 00~13 : 50)

- * 12:50-13:00: interval for laptop PC connection.(2A2-25, 2A2-26, 2A2-27, 2A2-28)
- 2A2-25** Single Electron Transfer-Induced Coupling of Aryl Grignard Reagents with Aryl Bromides Using Lithium Chloride as an Activator (Grad. Sch. Sci., Kyoto Univ.) SHIRAKAWA, Eiji; OKURA, Keisho; UCHIYAMA, Nanase; MURAKAMI, Takuya; HAYASHI, Tamio
- 2A2-26** Single Electron Transfer-Induced Coupling of Alkylzinc Halides with Aryl Halides (Grad. Sch. Sci., Kyoto Univ.) OKURA, Keisho; SHIRAKAWA, Eiji
- 2A2-27** Single Electron Transfer-Induced Coupling of Amines with Aryl Halides (Grad. Sch. Sci., Kyoto Univ.) KIRIYAMA, Kazuya; TAMAKUNI, Fumiko; SHIRAKAWA, Eiji
- 2A2-28*** Oxidative Dimerization of (Hetero)aromatic Amines Utilizing *tert*-Butyl Hypoiodite Leading to (Hetero)aromatic Azo Compounds (Grad. Sch. Eng., Osaka Univ.) OKUMURA, Sota; LIN, Chun-hsuan; TAKEDA, Youhei; MINAKATA, Satoshi
- Chair: HAMURA, Toshiyuki (14 : 00~14 : 50)
- * 13:50-14:00: interval for laptop PC connection.(2A2-31, 2A2-33, 2A2-34, 2A2-35)
- 2A2-31*** Efficient synthesis of multisubstituted benzofurans from phenols by extended Pummerer reaction (Grad. Sch. Sci., Kyoto Univ.) MURAKAMI, Kei; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 2A2-33** Concise synthesis of defucoglivocarcin M based on the efficient synthetic method of dibenzoxaborins (IBB, Tokyo Med. and Dental Univ.) HARADA, Ryu; SUMIDA, Yuto; HOSOYA, Takamitsu
- 2A2-34** Synthesis of Dibenzofurans by Cu-catalyzed Deborylative Cyclization of Dibenzoxaborins (IBB, Tokyo Med. and Dental Univ.) SUMIDA, Yuto; HARADA, Ryu; KATO, Tomoe; HOSOYA, Takamitsu
- 2A2-35** Enantioselective Synthesis of Axially Chiral Biphenyl Substituted at the C3, C3', C5, C5' Positions (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.) OCHIAI, Mio; TAHARA, Yoshinao; AKISAWA, Yuki; KAJIYAMA, Daichi; TSUCHIYA, Tomoka; YANAI, Hikaru; MATSUMOTO, Takashi

Chair: YORIMITSU, Hideki (15 : 00~15 : 50)

- * 14:50-15:00: interval for laptop PC connection.(2A2-37, 2A2-38, 2A2-39, 2A2-40, 2A2-41)
- 2A2-37** Development of the Catalytic Silylation of Secondary Alcohols by Pyridine N-Oxide Derivative (Fac. Sci. Tech., Keio Univ.) YOSHIDA, Keisuke; TAKAO, Ken-ichi
- 2A2-38** Highly Selective Synthesis of Unsymmetrical Chalcogenide Using BiAr₃ by Photoirradiation (Grad. Sch. Eng., Osaka Pref. Univ.) KOBIKI, Yohsuke; KAWAGUCHI, Shin-ichi; OGAWA, Akiya
- 2A2-39** Efficient Access to Functionalized Biaryls via Iodoarylation of Benzynes (Sch. Sci. Tech., Kwansai Gakuin Univ.) MARUYAMA, Daisuke; TAKEDA, Asa; SUZUKI, Keisuke; HAMURA, Toshiyuki
- 2A2-40** The Effect of *ortho*-Substituents of 2,6-Disubstituted Aryl Azides on the Clickability Toward a Cyclic Alkyne (IBB, Tokyo Med. and Dental Univ.) TANAKA, Junko; YOSHIDA, Suguru; MATSUSHITA, Takeshi; HOSOYA, Takamitsu
- 2A2-41** Protection of Strained Alkyne with Copper for Convenient Synthesis of Functionalized Cycloalkynes (IBB, Tokyo Med. and Dental Univ.) HATAKEYAMA, Yasutomo; YOSHIDA, Suguru; JOHMOTO, Kohei; UEKUSA, Hidehiro; HOSOYA, Takamitsu

Chair: YOSHIDA, Suguru (16 : 00~16 : 50)

- * 15:50-16:00: interval for laptop PC connection.(2A2-43, 2A2-44, 2A2-45, 2A2-46, 2A2-47)
- 2A2-43** Efficient Synthesis of [n]Phenacene Derivatives via Transition Metal-Catalyzed Transformations (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MAEKAWA, Hiroyuki; ROY, David; MURAI, Masahito; TAKAI, Kazuhiko
- 2A2-44** Synthesis of Polycyclic Aromatic Hydrocarbons Having an Azulene Backbone (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) IBA, Shinji; MURAI, Masahito; TAKAI, Kazuhiko
- 2A2-45** Synthesis of 2-aminoazulene derivatives and their reactivity (Fac. Sci. Technol., Tokyo Univ. of Sci.) NAKAGAWA, Hajime; TSUKADA, Satoru; ABE, Noritaka; GUNJI, Takahiro
- 2A2-46** Synthesis of novel organosilicon compound having azulene (Fac. Sci.

- Technol., Tokyo Univ. of Sci.) MASUDA, Kensuke; TSUKADA, Satoru; ABE, Noritaka; ABE, Yoshimoto; GUNJI, Takahiro
- 2A2-47** Addition of Silyl Groups to Anthracene via Birch-Type Silylation (Gunma Univ. Faculty of Science and Technology) KANNO, Ken-ichiro; KITA, Hikaru; KYUSHIN, Soichiro

Saturday, March 29, AM

Chair: OKAMOTO, Akiko (9 : 00 ~ 9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(3A2-01, 3A2-02, 3A2-03, 3A2-04, 3A2-05)
- 3A2-01*** Selective hydrogenation of nitroarenes catalyzed by Pd-based alloy nanoparticles (WPI-AIMR, Tohoku Univ.; Grad. Sch. Sci., Tohoku Univ.) YANG, Lin; ZHAO, Ming; ASAO, Naoki
- 3A2-02** Oxidative Coupling Reaction of Dimethyl Phthalate Utilizing Cobalt Oxide Supported Gold Nanoparticles (Grad. Sch. Sci., Kyushu Univ.) AIKAWA, Shohei; MISE, Yoshiyuki; ISHIDA, Tamao; HAMASAKI, Akiyuki; MIYASAKA, Mitsuru; YAMAMOTO, Yasushi; TSUJI, Tetsuro; TOKUNAGA, Makoto
- 3A2-03** Oxidative Coupling Reaction of Aromatic Compounds Utilizing Metal Oxide Supported Gold Nanoparticles (Grad. Sch. Sci., Kyushu Univ.) MISE, Yoshiyuki; AIKAWA, Shohei; ISHIDA, Tamao; HAMASAKI, Akiyuki; MIYASAKA, Mitsuru; YAMAMOTO, Yasushi; TSUJI, Tetsuro; TOKUNAGA, Makoto
- 3A2-04** Epoxidation of aromatic olefins catalyzed by iron-picolinate using hydrogen peroxide (AIST Interdisciplinary Research Center for Catalytic Chemistry) TANAKA, Shinji; CHISHIRO, Takefumi; KON, Yoshihiro; SATO, Kazuhiko
- 3A2-05** Synthesis of Polycyclic Aromatic Hydrocarbons by Annulation between Biphenyl Derivatives and Alkynes (Fac. Sci. Eng., Chuo Univ.) TOKORO, Yuichiro; OHISHI, Anna; FUKUZAWA, Shin-ichi

Chair: ISHIDA, Tamao (10 : 00~10 : 40)

- * 9:50-10:00: interval for laptop PC connection.(3A2-07, 3A2-08, 3A2-09)
- 3A2-07** A Regiocontrolled Synthesis of Substituted Xanthenes (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.; Grad. Sch. Sci., Eng., Tokyo Tech) ITO, Hiromi; FUJIMOTO, Yuuki; ITAKURA, Ryohei; ANDO, Yoshio; SUZUKI, Keisuke; DOBASHI, Yasuo; YANAI, Hikaru; MATSUMOTO, Takashi
- 3A2-08** Regioselective and Stereoselective Propargylation of Organoboronic acids with Chiral Propargyl Acetates (Grad. Sch. Sci., Osaka Pref. Univ.) NAKAKOJI, Daiki; UEDA, Mitsuhiko; RYU, Ilhyong
- 3A2-09*** TiCl₄-nitro compound mediated coupling reaction of alkoxy-naphthalene (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEUCHI, Ryo; OKAMOTO, Akiko; YONEZAWA, Noriyuki

Chair: MATSUMOTO, Takashi (10 : 50~11 : 30)

- * 10:40-10:50: interval for laptop PC connection.(3A2-12, 3A2-14, 3A2-15)
- 3A2-12*** Facile Synthesis of Substituted Phenols through Cu- or Pd-Catalyzed Aromatization (RCIS, Okayama Univ.) KIKUSHIMA, Kotaro; NISHINA, Yuta
- 3A2-14** Copper-catalyzed Synthesis of Benzofuran via intramolecular cyclization (RCIS, Okayama Univ.) KIKUSHIMA, Kotaro; SUGAOI, Shinya; NISHINA, Yuta
- 3A2-15** Synthesis of fluorenols by carbonylation of 2-lithiobiphenyls (Grad. Sch. Sci., Osaka Pref. Univ.) FUKUYAMA, Takahide; TOTOTKI, Takenori; RYU, Ilhyong

Room A3

School of Agricultural Sciences - Lecture Building & Building B

Organic Chemistry -Reaction and Synthesis- Heterocyclic Compounds

Thursday, March 27, AM

Chair: SENGOKU, Tetsuya (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1A3-01, 1A3-02, 1A3-04, 1A3-05, 1A3-06)
- 1A3-01** Domino Iodocyclization Reactions of Enyne Systems (Grad. Sch. Sci. Technol., Kumamoto Univ.) FURUSAWA, Masaki; IGAWA, Kazunobu; TOMOOKA, Katsuhiko; IRIE, Ryo
- 1A3-02*** Catalytic Asymmetric Cycloisomerization Reactions through Vinylidene *o*-Quinone Methides as Key Intermediates (Grad. Sch. Sci. Technol., Kumamoto Univ.) ARITA, Kosuke; FURUSAWA, Masaki; IMAHORI, Tatsushi; SUMIMOTO, Michinori; FUJIMOTO, Hitoshi; NEHIRA, Tatsuo; IGAWA, Kazunobu; TOMOOKA, Katsuhiko; IRIE, Ryo
- 1A3-04** [4+1] Cycloaddition reaction of isocyanides : Highly efficient synthesis of benzothiophene derivatives (Coll. Sci. Eng., Kanazawa Univ.) OKUNO, Takumi; SOETA, Takahiro; UKAJI, Yutaka
- 1A3-05** Asymmetric Formal [3 + 2] Cycloaddition Reaction of Succinalde-

hyde via Diarylprolinol-mediated Domino Aldol-Acetalization Reaction for the Construction of Tetrahydrofuran (Grad. Sch. Sci., Tohoku Univ.) HAYASHI, Yujiro; NISHINO, Kentaro; SATO, Itaru
1A3-06 Development of Novel Chiral Spiro Ligands Bearing Imidazole Coordination Sites (ISIR, Osaka Univ.) TAKATANI, Shuhei; TAKENAKA, Kazuhiro; SASAI, Hiroaki

Chair: IRIE, Ryo (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1A3-08, 1A3-09, 1A3-10, 1A3-12, 1A3-13)

1A3-08 Synthetic Studies of a New Insecticidal Alkaloid Stemaphylline Based on a Chiral Pool Strategy Utilizing L-Pyroglutamic Acid. (Grad. Sch. Eng., Shizuoka Univ.) SENGOKU, Tetsuya; WARSHINA, Takuya; MAKINO, Yuto; TAKAHASHI, Masaki; YODA, Hidemi

1A3-09 Development of Enantioselective Catalytic Amide Allylation of 1,2-Dicarbonyl Compounds (Grad. Sch. Eng., Shizuoka Univ.; Grad. Sch. Sci. Technol., Shizuoka Univ.) TAKAHASHI, Masaki; ISHIDA, Masahiro; MURATA, Yusuke; SENGOKU, Tetsuya; YODA, Hidemi

1A3-10* Asymmetric Synthesis of Spirocyclic Lactone Oxindoles via Enantioselective Catalytic Amide Allylation (Grad. Sch. Sci. Technol., Shizuoka Univ.; Grad. Sch. Eng., Shizuoka Univ.) MURATA, Yusuke; SENGOKU, Tetsuya; TAKAHASHI, Masaki; YODA, Hidemi

1A3-12 Enantioselective Synthesis of 1,2,3-Triazole-based Hetero Helicene and Their Applications to Asymmetric Catalysis (ISIR, Osaka Univ.) YOSHIDA, Yasushi; TAKIZAWA, Shinobu; SASAI, Hiroaki

1A3-13 Synthesis of optically active tetrahydropyridines from chiral alpha-methylene-beta-aminoesters (Fac. Eng., Yamaguchi Univ.) YO, Ryuichiro; KAMIMURA, Akio

Chair: NOBUOKA, Kaoru (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1A3-15, 1A3-16, 1A3-18, 1A3-19, 1A3-20)

1A3-15 Metal-free reductive cyclization reactions of 1,6-dienes (Gifu Univ. edu.) ITO, Yukiteru; YOSHIMATSU, Mitsuhiro

1A3-16* Intramolecular cyclization reactions of yne-nitriles using Reformatsky reagents (Gifu Univ. Gifu Univ.) TANAKA, Miki; TAKAHASHI, Nam; TANABE, Genzoh; MURAOKA, Osamu; YOSHIMATSU, Mitsuhiro

1A3-18 Organocatalytic Asymmetric Michael Addition Reaction of α -Aryl-substituted Lactams Using Chiral Quaternary Ammonium Salts (Grad. Sch. Integrated Arts Sci., Kochi Univ.) MINAMISAWA, Masamitsu; SASAKURA, Niiha; KOTSUKI, Hiyoshizo

1A3-19 Synthetic studies of novel trifluoromethyl substituted oxaziridines for stereoselective C-H functionalization (Grad. Sch. Sci., Hiroshima Univ.) NOGUCHI, Yuta; TAKAGI, Ryukichi; ABE, Manabu

1A3-20 Synthesis of planar-chiral quinoline derivatives and their organocatalytic asymmetric cyclopropanation reactions (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) NAKAGAWA, Kazuya; KANOMATA, Nobuhiro

Thursday, March 27, PM

Chair: YOSHIMATSU, Mitsuhiro (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1A3-28, 1A3-29, 1A3-30, 1A3-31, 1A3-32, 1A3-33)

1A3-28 Development of enantioselective organocatalyzed formal [3+2] cycloaddition of dienone with alkyl 2,3-butadienoate (ISIR, Osaka Univ.) SUZUKI, Michitaka; ARTEAGA, Fernando arteaga; NGUYEN, Tue; TAKIZAWA, Shinobu; SASAI, Hiroaki

1A3-29 Chiral Proline-Derived Ionic Liquids with Hydroxyl Group for Catalytic Asymmetric Reactions (Fac. Eng., Oita Univ.) HIRANO, Kazuya; NOBUOKA, Kaoru; KITAOKA, Satoshi; ISHIKAWA, Yuichi; YAMAMOTO, Yuuki

1A3-30 Ammonium-Templated Stereoselective [6 π]-Photocyclization Reaction of Acrylanilides (Ochanomizu Univ. Department of Chemistry) OKUDA, Mai; YAMADA, Shinji

1A3-31 Development of C2-chiral ligands by the photodimerization of chromone-2-carboxylic acid derivatives (Grad. Sch. Eng., Chiba Univ.; CAI, Chiba Univ.) UEDA, Yuki; YAGISHITA, Fumitoshi; MINO, Takashi; SAKAMOTO, Masami

1A3-32 Palladium-catalyzed Dipolar Cycloaddition Reaction of Oxidopyrylium Ylide (Fac. Eng., Shinshu Univ.) TAKAHASHI, Kie; ITOH, Kennosuke; SUGA, Hiroyuki

1A3-33 Synthesis of Optical Active Oxygen-functionalized Indolizidines by Asymmetric Cycloaddition Reactions of Cyclic Carbonyl Ylides Generated from N-Diazoacetyl lactams (Fac. Eng., Shinshu Univ.) HASHIMOTO, Yuta; OGAWA, Amane; ITOH, Kennosuke; SUGA, Hiroyuki

Chair: MINO, Takashi (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1A3-35, 1A3-36, 1A3-37, 1A3-38, 1A3-39, 1A3-40)

1A3-35 Synthesis of Difunctionalized Pyridines Using Pseudo-Intramolecular Process (KUT School of Environmental Science and Engineering) MUTO, Kyo; ASAHARA, Haruyasu; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi

1A3-36 Novel Intramolecular Cyclization-Skeletal Reorganization of 2-Arylthiazoles under Photoirradiation (Grad. Sch. Eng., Hokkaido Univ.; Grad.

Sch. Chi Sci. and Eng., Hokkaido Univ.; Hokkaido Univ. Frontier Chemistry Center) ARAI, Noriyoshi; MIZOTA, Moe; OHKUMA, Takeshi

1A3-37 Synthesis of Polyfunctionalized Compounds Using Diethyl Mesoxalate (KUT School of Environmental Science and Engineering) ASAHARA, Haruyasu; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi

1A3-38 Carboxylative Cyclization of Propargylamines Catalyzed by N-Heterocyclic Carbene (AIST; Grad. Sch. Sci. Eng., Ibaraki Univ.) FUJITA, Ken-ichi; SATO, Junichi; ONOZAWA, Shun-ya; YASUDA, Hiroyuki

1A3-39 Synthesis of a Carbamoyl Substituted Pyridone by Dimerization of Acetoacetamide (KUT Sch. of Env. Sci. and Eng.) HIRAI, Sho; ASAHARA, Haruyasu; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi

1A3-40 Synthesis of mesoionic 1,3-dialkyltetrazolium-5-thiolate (Nagoya Inst. of Tech. Graduate School of Engineering) MURAKAMI, Suguru; HIRASHITA, Tsunehisa; ARAKI, Shuki

Chair: ASAHARA, Haruyasu (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1A3-42, 1A3-43, 1A3-44, 1A3-45, 1A3-46, 1A3-47)

1A3-42 Substituent Effect on Ring-expansion Reaction of Vinylsulfonium Ylide (Kobe City Coll. Technol. Advanced Course of Applied Chemistry) ICHINOSE, Yuma; KOIZUMI, Takuya

1A3-43 Direct Synthesis of Organic Azides from Primary Amines with Guanidinodiazonium Salt (KIT) KATO, So; YANO, Masakazu; OKAUCHI, Tatsuo; KITAMURA, Mitsuru

1A3-44 Synthesis of a novel class of tetrazole-based PN Ligands (Sch. Sci., Tokai Univ.) NAKAMURA, Kaori; KOGUCHI, Shinichi

1A3-45 Stereospecific Cyclization Reaction of Alkenyl Esters and Amides of Ethenetriacrylate (Nara Univ. of Educ.; Grad. Sch. Mat. Sci., NAIST) YAMAZAKI, Shoko; WADA, Junya; TAKEBAYASHI, Masachika; KAKIUCHI, Kiyomi

1A3-46 Synthesis of a 1,4-Diadamantyl-1,2,3-triazole-5-ylidene Ligand and its Application to Coupling Reactions (Grad. Sch. Sci. Eng., Chuo Univ.) MITSUI, Takashi; SUGIHARA, Masato; TOKORO, Yuichiro; FUKUZAWA, Shin-ichi

1A3-47 Six-membered Ring Formation from Lewis acid-promoted reaction of 2-Methyl-2-propenyl Ester and Amides of Ethenetriacrylate (Nara Univ. of Educ.; Grad. Sch. Mat. Sci., NAIST) YAMAZAKI, Shoko; UEDA, Kohta; KAKIUCHI, Kiyomi

Chair: YAMAZAKI, Shoko (17 : 00~17 : 40)

* 16:50-17:00: interval for laptop PC connection.(1A3-49, 1A3-50, 1A3-51, 1A3-52)

1A3-49 Synthesis of 8,8' -biquinolinediol (KIT Graduate School of Engineering) FUKUMA, Hiroaki; KOBAYASHI, Mitsuaki; OKAUCHI, Tatsuo; KITAMURA, Mitsuru

1A3-50 Stereoselective Cyclization of Oxazole Derivatives by Photochemical Activation (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) MIZOTA, Moe; ARAI, Noriyoshi; OHKUMA, Takeshi

1A3-51 Synthesis of Novel Dihydrofuran-Fused Cyclophanes Using Mn(III)-Based Intramolecular Addition (Grad. Sch. Sci. Technol., Kumamoto Univ.) MATSUMOTO, Chiaki; NISHINO, Hiroshi

1A3-52 Mn(III)-Based Synthesis of Cage-type compounds and Tripodands (Grad. Sch. Sci. Technol., Kumamoto Univ.) MATSUMOTO, Risa; NISHINO, Hiroshi

Chair: ITOH, Kennosuke (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(1A3-54, 1A3-55, 1A3-56, 1A3-57)

1A3-54 Convenient Synthesis of α, β -Unsaturated Carbodichalcogenoate Esters and their Conversion into Isothiazolines via Oxidative Ring Closure (Fac. Eng., Iwate Univ.) SHIMADA, Kazuaki; ISHIKAWA, Fumiya; KORENAGA, Toshinobu

1A3-55 Synthesis of Various 1,3-Thiazole Derivatives through Oxidative Ring Closure of 1,3-Thiaza-1,3-butadienes (Fac. Eng., Iwate Univ.) SHIMADA, Kazuaki; ISOGAMI, Megumi; KORENAGA, Toshinobu

1A3-56 Sulfenylation by N-Sulfonylbenzimidazoles under Acidic Conditions (AIST Interdisciplinary Research Center for Catalytic Chemistry; Fac. Sci. Technol., Tokyo Univ. of Sci.) SHIMIZU, Masao; NAKAO, Miki; ANDO, Wataru; SAKAI, Norio

1A3-57 Photo-induced sulfonylation of cyclic ethers (Grad. Sch. Sci. Eng., Yamaguchi Univ.) HIROTA, Masaki; WATANABE, Mizuki; TAO, Keisuke; HURAFUJI, Toshihiro; KAMIJO, Shin

Friday, March 28, AM

Chair: SAKAI, Norio (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2A3-01, 2A3-02, 2A3-03, 2A3-04, 2A3-06)

2A3-01 Dearomatizing Conversion of Nitrogen-Containing Aromatic Rings via Formation of Boron-Nitrogen Bond as a Key Step (Grad. Sch. Eng., Kyoto Univ.) OHMURA, Toshimichi; MORIMASA, Yohei; SUGINOME, Michinori

- 2A3-02** N-Oxide-Directed C-H Alkenylation at 8-Position of Quinolines (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) MATSUO, Yusuke; SHIBATA, Takanori
- 2A3-03** The synthetic studies of indoline and indole alkaloids (Univ. of Toyama Department of Chemistry) YOKOYAMA, Hajime; MIYAZAWA, Masahiro; HIRAI, Yoshiro
- 2A3-04*** Asymmetric synthesis and catalytic activities of novel flavinium salts (The University of Toledo Department of Chemistry) YAMAMOTO, Kana; ARIMITSU, Kenji; ALMALITI, Jehad
- 2A3-06** Selective synthesis of polysubstituted flavonoids via ortho-quinone-methide (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) HONDA, Kiyoshi; TANAKA, Kenta; IKEGAYA, Airi; OSHIO, Manami; HOSHINO, Yujiro

Chair: OHMURA, Toshimichi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2A3-08, 2A3-10, 2A3-11, 2A3-12, 2A3-13)
- 2A3-08*** A novel heterocyclic synthesis using highly efficient SHI radical substitution reaction (Grad. Sch. Med., Yamaguchi Univ.) MIYAZAKI, Koichiro; YAMANE, Yu; YOU, Ryuichiro; ISHIKAWA, Shingo; KAMIMURA, Akio
- 2A3-10** Chiral Thiourea-catalyzed Asymmetric Diels-Alder Reaction : Efficient Synthesis of Cyclohexenone Spiro-substituted Oxindole Derivatives (Kochi Univ.) MATSUGI, Aoi; YAMAUCHI, Tomoyuki; KOTSUKI, Hiyoisho
- 2A3-11** Synthesis of β -carboline-8-glycoside (Fac. Sci. Technol., Tokyo Univ. of Sci.) OOTAKA, Akihito; SAKAI, Norio; KONAKAHARA, Takeo
- 2A3-12** Development of a synthetic method for furoxans (Grad. Sch. Sci., Kobe Univ.) ANDO, Akihito; MATSUBARA, Ryosuke
- 2A3-13** Synthesis of 2,3-Benzodiazepines from Arynes and β -Dicarbonyl Compounds (Fac. Sci., Fukuoka Univ.) TANABE, Yukiko; NAGAHORA, Noriyoshi; SHIOJI, Kosei; OKUMA, Kentaro

Chair: NAGAHORA, Noriyoshi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2A3-15, 2A3-16, 2A3-17, 2A3-18, 2A3-19, 2A3-20)
- 2A3-15** Synthetic study of biotin derivatives (Grad. Sch. Pharm., The Univ. of Tokyo) YAMAMOTO, Tomohiro; SHIMIZU, Yohei; TAKASU, Noriaki; SUGIYAMA, Akira; DOI, Hirofumi; KODAMA, Tatsuhiko; KANAI, Motomu
- 2A3-16** Derivatization of Quinazolines using Organocatalyst and Evaluation of Anti-proliferative Activity against Cancer Cells (Grad. Sch. of Sci. Technol., Sophia Univ.; Univ. of Shizuoka Grad. Sch. of Pharm. Sci.; Okayama Univ. Grad. Sch. of Med. Dent. and Pharm. Sci.) KUROIWA, Kenta; ISHII, Hirotsuke; MATSUNO, Kenji; ASAI, Akira; SUZUKI, Yumiko
- 2A3-17** A Short-Step Construction of Fused Pyridine Alkaloid Skeletons *via* a Key Step Involving Hetero Diels-Alder Reaction of Isotellurazoles (Fac. Eng., Iwate Univ.) SHIMADA, Kazuaki; TANEICHI, Yusuke; KORENAGA, Toshinobu
- 2A3-18** Synthesis of 2-alkylidene-3,1-benzoxathiin-4-ones from 2-alkyl-3,1-benzoxathiin-4-ones (National Inst. Adv. Ind. Sci & Tec ; Tokyo Univ. of Sci.) YAMANAKA, Masaki; ANDO, Wataru; SAKAI, Norio; SHIMIZU, Masao
- 2A3-19** Facile Synthesis of Ring-Fluorinated Benzoheteroles via Regioselective Difluoroallylation of Heteronucleophiles (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SUGIYAMA, Kazuki; SANADA, Shohei; FUJITA, Takeshi; ICHIKAWA, Junji
- 2A3-20** Synthesis of 1,5-Benzothiazepines from Aryldisulfides (Department of Sci. Tech., Meiji Univ.) IMAMOTO, Junya; MIYAKOSHI, Tetsuo

Friday, March 28, PM

Chair: FUJITA, Takeshi (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2A3-28, 2A3-29, 2A3-30, 2A3-31, 2A3-32, 2A3-33)
- 2A3-28** Asymmetric epoxidation of 2-allylic phenols catalyzed by Ti-cyclic hydroxamate complexes (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) HOSHINO, Yujiro; NISHIMURA, Katsutaka; HONDA, Kiyoshi
- 2A3-29** Synthetic Study toward N-Hydroxyazacyclopenta[c]pentalenones from 2,2'-Spirobiindan-1,1'-dione (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) SHIRAIISHI, Nanae; HONDA, Kiyoshi; HOSHINO, Yujiro
- 2A3-30** Visible Light-Mediated Direct Arylation of Arenes and Heteroarenes Using Diaryliodonium Salts in the Presence and Absence of a Photocatalyst (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; FURUKAWA, Takayuki; CHATANI, Naoto
- 2A3-31** Aziridination of Styrene Derivatives Using Iminoiodinane Catalyzed by Iodine and Ammonium Iodide (Grad. Sch. Eng., Osaka Univ.) KIYOKAWA, Kensuke; KOSAKA, Tomoki; MINAKATA, Satoshi
- 2A3-32** The Cu-Catalyzed 2,3-Rearrangement - [4 + 2] Cycloaddition Cascade of *O*-Propargylic Oximes with Azodicarboxylates (Grad. Sch. Sci., Tohoku Univ.) JO, Takeru; ZHANG, Dong; NAKAMURA, Itaru; TERADA, Masahiro
- 2A3-33** Silver Catalyzed Asymmetric 1,3-Dipolar Cycloaddition of Dihydro-

2H-Pyrrole-2-Carboxylates (Grad. Sch. Sci. Eng., Chuo Univ.) TADA, Atsuo; WATANABE, Sayo; TOKORO, Yuichiro; FUKUZAWA, Shinichi

Saturday, March 29, AM

Chair: SHIBAHARA, Fumitoshi (9 : 00 ~ 9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(3A3-01, 3A3-02, 3A3-03, 3A3-05)
- 3A3-01** Three-components One-pot Synthesis of [1,2,3]Triazololo[1,5-a]pyrazine (Sch. Sci., Tokai Univ.) ARIKUNI, Junshiro; KOGUCHI, Shinichi
- 3A3-02** Synthesis of symmetric-type / fused-type λ^5 -phosphinines having various substituents (Grad. Sch. Sci., Eng., Ehime Univ.) SHIMAHARA, Kiyoka; OCHI, Yusuke; WATANABE, Yutaka; OHTA, Hidetoshi; HAYASHI, Minoru
- 3A3-03*** Synthesis of 2-Aryl-5-nitropyridines by Three Component Ring Transformation of 3,5-Dinitro-2-pyridone (KUT) LE, Thi song; ASAHARA, Haruyasu; SUGIMOTO, Ryuichi; KOBIRO, Kazuya; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi
- 3A3-05** Development of N-Phosphine Oxide-Substituted N-Heterocyclic Carbenes (Grad. Sch. Eng., Osaka Univ.) KINOSHITA, Takuya; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensuke

Chair: TOBISU, Mamoru (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(3A3-07, 3A3-09, 3A3-10, 3A3-11)
- 3A3-07*** Regioselective Rapid Synthesis of Fully Substituted 1,2,3-Triazoles Mediated by Propargyl Cations (Grad. Sch. Mat. Sci., NAIST) ZHANG, Huan; TANIMOTO, Hiroki; KAKIUCHI, Kiyomi
- 3A3-09** Ligand Exchange Reaction of N-Fused Porphyrin Ruthenium Complexes (Grad. Sch. Eng., Kyushu Univ.) MATSUO, Hideaki; TOGANOH, Motoki; FURUTA, Hiroyuki
- 3A3-10** Synthesis and Photophysical Properties of 1,3,5-Triarylated Imidazo [1,5-a]pyridine derivatives (Fac. Eng., Gifu Univ.) AOKI, Tatsuya; KOTO, Yuma; SHIBAHARA, Fumitoshi; MURAI, Toshiaki
- 3A3-11** Synthesis and Applications of Various Imidazo[1,5-a]pyridine carbenes (Fac. Eng., Gifu Univ.) KOTO, Yuma; SHIBAHARA, Fumitoshi; MURAI, Toshiaki

Chair: TANIMOTO, Hiroki (11 : 00~11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(3A3-13, 3A3-15, 3A3-16, 3A3-17)
- 3A3-13*** Regioselective synthesis of tert-butylphthalocyanine (Grad. Sch. Eng., Nagoya Inst. of Tech.) IIDA, Norihito; TANAKA, Kenta; TOKUNAGA, Etsuko; SHIBATA, Norio
- 3A3-15** Synthesis and Properties of Pseudo-Macrocyclic Oligomers Comprised of 1,3,4-Oxadiazole and Benzene (Nagoya Inst. of Tech.) SAKURAGI, Yuki; ONO, Katsuhiko
- 3A3-16** Study and Properties of Pseudo-Macrocyclic Oligomers with Terminal Hydroxyl Groups (Nagoya Inst. of Tech. Faculty of Engineering Life and Materials Engineering) BANNO, Keisuke; ONO, Katsuhiko
- 3A3-17** Synthesis of benzene-fused trifluoromethyl substituted phthalocyanine dimers (Nagoya Inst. of Tech. Graduate School of Engineering) TANAKA, Kenta; IIDA, Norihito; TOKUNAGA, Etsuko; SHIBATA, Norio

Physical Organic Chemistry -Structures and Properties-

Saturday, March 29, PM

Molecular Structure and Stereochemistry

Chair: TOYOTA, Shinji (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3A3-26, 3A3-28, 3A3-30, 3A3-31)
- 3A3-26*** Synthesis and Characterization of Rotaxanes Possessing Thermally Degradable Counteranions (Grad. Sch. Sci., Eng., Tokyo Tech) ZHU, Nan; ABE, Yoko; NAKAZONO, Kazuko; TAKATA, Toshikazu
- 3A3-28*** Asymmetric Catalysis Utilizing Through-space Cooperative Effect of the Rotaxane Component toward Asymmetric Acylation (Grad. Sch. Sci., Eng., Tokyo Tech) XU, Kun; NAKAZONO, Kazuko; TAKATA, Toshikazu
- 3A3-30** Conformational Analysis of a Dumbbell in a Silahydrocarbon Rotaxane by Temperature Dependent NMR Spectroscopy (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.; Grad. Sch. Sci., Tohoku Univ.) MASUNO, Daisuke; PHAN, Son thanh; INAGAKI, Yusuke; KIRA, Mitsuo; SETAKA, Wataru
- 3A3-31** Synthesis and Properties of a Selenophene-Bridged Molecular Gyrotop (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) MASUDA, Toshiyuki; INAGAKI, Yusuke; SETAKA, Wataru

Chair: TAKATA, Toshikazu (14 : 20~15 : 10)

- * 14:10-14:20: interval for laptop PC connection.(3A3-33, 3A3-35, 3A3-36, 3A3-37)
- 3A3-33*** Novel cyclic amide oligomer containing pi-conjugated unit: Design and chiral characterization (Nagoya Inst. of Tech. Grad. School of Eng.) YAMAKADO, Ryohei; MATSUOKA, Sin-ichi; SUZUKI, Masato;

- TAKAGI, Koji; MASU, Hyuma; TAKEUCHI, Daisuke; AZUMAYA, Isao
3A3-35 Synthesis of a novel macrocyclic compound, 2-sulfanylhdroquinine trimer (Grad. Sch. Med., Yamaguchi Univ.; Grad. Sch. Sci., Eng., Ehime Univ.) WATANABE, Ryusuke; ISHIKAWA, Mari; UNO, Hidemitsu; KAMIMURA, Aio
3A3-36 Synthesis and structure of macrocyclic molecular gears with 9,10-diethynyltricyclic units (Okayama Univ. of Sci. Fac. of Sci.) SUGAHARA, Kota; IWANAGA, Tetsuo; TOYOTA, Shinji
3A3-37 Synthesis of Naphthalene-Bridged Molecular Gyrotops and Rotation of a Rotor in Solution (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.; Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) NISHIYAMA, Yohei; KOYAMA, Akiko; INAGAKI, Yusuke; YAMAGUCHI, Kentaro; SETAKA, Wataru

Chair: SUZUKI, Takanori (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(3A3-39, 3A3-41, 3A3-42, 3A3-43, 3A3-44)
3A3-39* Helicity Control of a Dynamic Heterohelicene: Dinaphthothiophene (Grad. Sch. Sci., Eng., Tokyo Tech) NAMBU, Yoko; UCHIDA, Satoshi; TAKATA, Toshikazu
3A3-41 Experimental and Theoretical Investigations of the Chiroptical Properties of S- and X-shaped Double Helicenes (Grad. Sch. Eng., Osaka Univ.) TANAKA, Hiroki; IKENOSAKO, Mina; MORI, Tadashi; FUKUHARA, Gaku; NISHIJIMA, Masaki; INOUE, Yoshihisa
3A3-42 Synthesis and Optical Properties of Bridged Homochiral Naphthalene Oligomers (Fac. Sci. and Technol., Seikei Univ.) NAKAZAWA, Akihiro; TAKAISHI, Kazuto; TSUBAKI, Kazunori; YOKOYAMA, Akihiro
3A3-43 Synthesis of Macrocycles with Asymmetric Cavities Constructed by Twisting Binaphthyls and Biphenyls (Fac. Sci. and Technol., Seikei Univ.) YABE, Tatsuya; TAKAISHI, Kazuto; YOKOYAMA, Akihiro
3A3-44 Synthesis of a chiral crystalline sponge for absolute structure determination of chiral guest compounds (Grad. Sch. Eng., The Univ. of Tokyo; JST CREST) ARAI, Tatsuhiko; INOKUMA, Yasuhide; FUJITA, Makoto

Sunday, March 30, AM

Chair: TAKAISHI, Kazuto (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4A3-01, 4A3-02, 4A3-03, 4A3-04, 4A3-05, 4A3-06)
4A3-01 Dynamic Conformational Switching of Binaphthyl-linked Biisoquinoline Systems (Grad. Sch. Sci. Technol., Kumamoto Univ.) KAWATSU, Takahiro; TOKUSHIMA, Hiroki; TAKEDOMI, Yuya; IGAWA, Kazunobu; TOMOOKA, Katsuhiko; IRIE, Ryo
4A3-02 Development of novel quinoline oligoamides with chiral amino acid in the backbone and their conformational analysis (Grad. Sch. Human Sci., Ochanomizu Univ.) NAGAOKA, Yui; KUDO, Mayumi; MAURIZOT, Victor; TANATANI, Aya; HUC, Ivan
4A3-03 Construction of salicylideneaniline macrocycles containing atropisomeric 4,8-diarylhydrazines by dynamic imine bond formation (Fac. Sci., Tokyo Univ. of Sci.) KORI, Shun; HANDA, Masaki; ONO, Yuki; HUIJIWARA, Kenshu; SUZUKI, Takanori; KAWAI, Hidetoshi
4A3-04 Synthesis and Conformational Analysis of Cyclic Dinucleotide with Cyclophane Backbone (Grad. Sch. Sci., Tohoku Univ.) OKADA, Koudai; FUJINO, Tomoko; ISOBE, Hiroyuki
4A3-05 Synthesis of vinylene-anthracene cyclic dimers and substituent effects on molecular structures (Okayama Univ. of Sci. Fac. of Sci.) INOUE, Masataka; IWANAGA, Tetsuo; TOYOTA, Shinji
4A3-06 Structure of [6]cycloparaphenylene and pseudo Jahn-Teller effect (Grad. Sch. Eng., Kyoto Univ.; Kyoto Univ. ESICB; Grad. Sch. Human and Environ. Stud., Kyoto Univ.; Kyoto Univ. Institute for Liberal Arts and Sciences) KAMEOKA, Yuichiro; SATO, Tohru; KOYAMA, Takahiko; TANAKA, Kazuyoshi; KATO, Tatsuhisa

Chair: SETAKA, Wataru (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4A3-08, 4A3-10, 4A3-11, 4A3-12, 4A3-13)
4A3-08** Conformational Analysis of Single Perfluoroalkyl Chains by Single-Molecule Real-Time Transmission Electron Microscopic Imaging (Grad. Sch. Sci., The Univ. of Tokyo; NTRC, AIST) HARANO, Koji; TAKENAGA, Shinya; OKADA, Satoshi; NIIMI, Yoshiko; YOSHIKAI, Naohiko; ISOBE, Hiroyuki; SUENAGA, Kazu; KATAURA, Hiromichi; KOSHINO, Masanori; NAKAMURA, Eiichi
4A3-10 Directed toward understanding intramolecular CH/ π interaction of 9,9-dialkylfluorenes (Grad. Sch. Mat. Sci., NAIST) MATSUDA, Takashi; FUJIKI, Michiya
4A3-11 X-ray crystallography of aroma compounds using crystalline sponges (Grad. Sch. Eng., The Univ. of Tokyo) ARIYOSHI, Junko; SHOTA, Yoshioka; INOKUMA, Yasuhide; FUJITA, Makoto
4A3-12 Application of crystalline sponge method for facile structural analysis of intermediate products in multiple-step syntheses (Grad. Sch. Eng., The Univ. of Tokyo; Grad. Sch. Pharm., The Univ. of Tokyo; JST CREST) SATO, Hiroshi; ARAI, Tatsuhiko; YOSHIOKA, Shota; INOKUMA, Yasuhide; URABE, Daisuke; INOUE, Masayuki; FUJITA, Makoto
4A3-13 X-ray crystallographic analysis of trace metabolites using porous

complex (Grad. Sch. Eng., The Univ. of Tokyo; JST-PRESTO) UKEGAWA, Tomoya; INOKUMA, Yasuhide; FUJITA, Makoto

Chair: INOKUMA, Yasuhide (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(4A3-15, 4A3-16, 4A3-17, 4A3-18)
4A3-15 Creation of New Guanidine-based Protic Ionic Liquid as an Electrolyte for aiming of Nonhumidified Intermediate Temperature Fuel Cell (Grad. Sch. Eng., Yokohama Natl. Univ.) KUROHA, Michiaki; MIRAN, Mohammed; YASUDA, Tomohiro; GOTOH, Hiroaki; WATANABE, Masayoshi; SAKAKIBARA, Kazuhisa
4A3-16 Scavenging and identification of reactive radical species by novel nitroxyl radical having unique UV-vis absorption spectra (Grad. Sch. Eng., Yokohama Natl. Univ.) TOBA, Ryuta; GOTOH, Hiroaki; SAKAKIBARA, Kazuhisa
4A3-17 Capturing chlorine Radicals in the Gas-phase by Using Stable Radical Scavenger DPPH (Grad. Sch. Eng., Yokohama Natl. Univ.) SETO, Akira; GOTOH, Hiroaki; SEKI, Kanekazu; KURIHARA, Youji; UEDA, Kazuyoshi; SAKAKIBARA, Kazuhisa
4A3-18 Capturing and analysis of reactive radicals source of natural products or artifact in the environment by using radical scavenging reagents. (Sch. Eng., Yokohama Natl. Univ.; NIES Center for Environmental Risk Research) KINAMI, Yuna; SAITOU, Hiroki; FUJITANI, Yuji; GOTOH, Hiroaki; SAKAKIBARA, Kazuhisa

Room A4

School of Agricultural Sciences - Lecture Building & Building B

Physical Organic Chemistry - Structures and Properties-

Thursday, March 27, AM

Photophysical property

Chair: IKEDA, Hiroshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1A4-08, 1A4-09, 1A4-10, 1A4-11, 1A4-12)
1A4-08 Aggregation Induced Emission of Diarylaminobenzaldehydes (MURORAN INST. OF TECH.) KURITA, Motoki; MOMMA, Mika; MIZUGUCHI, Kei; NAKANO, Hideyuki
1A4-09 Structures and Properties of 2,5-Diaminoterephthalic Acid Dithioesters That Exhibit Aggregation-induced Emission (KIT) FUKUI, Hiroki; SHIMIZU, Masaki
1A4-10 Design, Synthesis, and Luminescent Properties of Blue-fluorescent Diaminophthalic Acid Diesters (KIT) TAMAGAWA, Tomokazu; SHIMIZU, Masaki
1A4-11 Luminescent Properties of Bis(aryl)dibromobenzenes in Crystals (KIT) KIMURA, Akinori; SHIMIZU, Masaki
1A4-12* The synthesis and evaluation of physical properties of fluorescent dyes with AIE and PeT properties. (FIRST, Konan Univ.) KAWAMURA, Koji; IKEDA, Soh; KAGAYAMA, Hiroki; MURASHIMA, Takashi

Chair: SHIMIZU, Masaki (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(1A4-15, 1A4-17, 1A4-18, 1A4-19, 1A4-20)
1A4-15** Environment-Responsive Fluorescent Probe Containing a Phosphole Oxide (Grad. Sch. Sci., Nagoya Univ.) YAMAGUCHI, Eriko; FUKAZAWA, Aiko; KOSAKA, Youhei; SATO, Yoshikatsu; SASAKI, Taeko; UEDA, Minako; SASAKI, Narie; HIGASHIYAMA, Tetsuya; YAMAGUCHI, Shigehiro
1A4-17 ESIPT Emission of a 2,5-Dithienylpyrrole with an Alkylamine Strap (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.) SUZUKI, Naoya; NAGURA, Kazuhiko; FUKAZAWA, Aiko; KITO, Hirotsuka; YOKOGAWA, Daisuke; IRLE, Stephan; SAITO, Shohei; YAMAGUCHI, Shigehiro
1A4-18 The Emission Properties of Diarylmethanato-boron Difluorides Controlled by the Crystal Structures (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) TANAKA, Mirai; SAKAI, Atsushi; YOSHIMOTO, Yuichi; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
1A4-19 Synthesis of 1,8-Bis(pyren-1-ylethynyl)naphthalenes and Their Intramolecular Excimer Emissions (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) HAMAZUKA, Akinobu; MATSUNO, Yu; MAEDA, Hajime; SEGI, Masahito
1A4-20 Mechano-fluorochromism of 1-Acetylamino-pyrene (MURORAN INST. OF TECH.) NAGATA, Eisuke; TAKEUCHI, Shugo; NAKANO, Hideyuki

Thursday, March 27, PM

Chair: YOKOGAWA, Daisuke (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(1A4-28, 1A4-29, 1A4-30, 1A4-31, 1A4-32, 1A4-33, 2A4-28, 2A4-29, 2A4-30, 2A4-31, 2A4-32)
- 1A4-28** Synthesis of Macrocyclic Ligand Containing Azobenzene Units and Its Isomerization Control by Complexation (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YAMAKAWA, Koji; YAMAMURA, Masaki; NABESHIMA, Tatsuya
- 1A4-29** Non classical control of circularly polarized luminescence (CPL) property in axially chiral binaphthyl compound having pyrene unit. (Fac. Sci. Eng., Kinki Univ.; NIMS; NAIST) NAKABAYASHI, Kazuk; AMAKO, Tomoyuki; TAJIMA, Nobuo; FUJIKI, Michiya; IMAI, Yoshitane
- 1A4-30** Nonclassical control of circularly polarized luminescence (CPL) property of optically active organic fluorophore derived from tartaric acid (Kinki Univ.) AMAKO, Tomoyuki; MORI, Tadashi; INOUE, Yoshihisa; FUJIKI, Michiya; IMAI, Yoshitane
- 1A4-31** Circularly polarized luminescence(CPL) property of optically active biaryl compound in the matrix (Fac. Sci. Eng., Kinki Univ.; NAIST) KITAYAMA, Yoko; AMAKO, Tomoyuki; SUZUKI, Nozomu; FUJIKI, Michiya; IMAI, Yoshitane
- 1A4-32** Enhanced near-infrared luminescence of lanthanide complexes by photo-oxidation of catechol (Grad. Sch. Sci., Osaka City Univ.) SHINODA, Satoshi; TOKUDA, Chiharu; ITO, Hiroshi; MIYAKE, Hiroyuki
- 1A4-33** Elucidation of Relationship Between Photoinduced Charge Separation and Electronic Coupling (Grad. Sch. Eng., Kyoto Univ.) YAMADA, Tomoki; HIGASHINO, Tomohiro; YAMAMOTO, Masanori; IMAHORI, Hiroshi

Physical Organic Chemistry -Reaction Mechanism-

Friday, March 28, PM

Chair: KAWAUCHI, Susumu (13 : 30~14 : 20)

- 2A4-28** Study on Stereoselectivity of Singlet Octahydropentalene-1,3-dilys (Fac. Sci., Hiroshima Univ.) TADA, Saori; ABE, Manabu
- 2A4-29** A study on the chemistry of multi-radical species embedded in macrocyclic rings (Grad. Sch. Sci., Hiroshima Univ.) KUMASHIRO, Shunsuke; ABE, Manabu
- 2A4-30** Photocatalytic Oxidation of Metal Complexes with Dioxygen with Organic Electron-Donor-Acceptor Linked Molecules (Sch. Eng., Osaka Univ.; ALCA,JST) TSUDAKA, Takeshi; OHKUBO, Kei; FUKUZUMI, Shunichi
- 2A4-31** Dynamics Effect on the Rearrangement/Fragmentation Reaction of 2-methyl-3-substituted-phenyl-(E)-propenyl-1-diazonium ion (Coll. Sci., Rikkyo Univ.) SATO, Makoto; WATANUKI, Ami; HIIRAGIZAWA, Kosuke; YAMATAKA, Hiroshi
- 2A4-32** An experimental and computational study of selectivity in an intramolecular cyclization of alkyl radical to imine (Grad. Sch. Sci., Osaka Pref. Univ.) HIRANO, Shun; MATSUBARA, Hiroshi

Chair: KANENO, Daisuke (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(2A4-34, 2A4-36, 2A4-37, 2A4-38)
- 2A4-34*** A Novel [2 + 1] Concerted Reaction Path for Si-Si σ -bond in Disilacyclobutenes with Aldehydes and Ethylene (Grad. Sch. Sci., Eng., Tokyo Tech) HAYASHI, Yoshihiro; NATSUMEDA, Takafumi; OTSU, Shun; KAWAUCHI, Susumu
- 2A4-36** [2+2] Cycloadditions of Cyclopentyne and Benzyne with Ethylene: Concerted [2+1] Path vs Biradical Path (Grad. Sch. Sci., Eng., Tokyo Tech) NATSUMEDA, Takafumi; HAYASHI, Yoshihiro; OTSU, Shun; KAWAUCHI, Susumu
- 2A4-37** Generation of 4,4-Dialkoxy-1,2-diazacyclopentane-3,5-diyls and their reactivity (Fac. Sci., Hiroshima Univ.) YOSHIDOMI, Shohei; ABE, Manabu
- 2A4-38*** Reaction Mechanism in the Mechanochemical Synthesis of Dibenzophenazine (Grad. Sch. Eng., Kyoto Univ.; Kyoto Univ. ESICB; Univ. Toulouse, Mines-Albi) HARUTA, Naoki; SATO, Tohru; TANAKA, Kazuyoshi; BARON, Michel

Chair: FUJITA, Morifumi (15 : 40~16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(2A4-41, 2A4-42, 2A4-43, 2A4-44, 2A4-45)
- 2A4-41** The Reaction Mechanism and Solvent Effect in Hydride Reduction of α -Substituted Ketones (Grad. Sch. Integrated Arts Sci., Kochi Univ.) SAIGO, Hikari; TABELI, Masaru; KANENO, Daisuke
- 2A4-42** Photooxidation of diphosphines analyzed by 31P NMR spectroscopy (Tezukayama Univ. Faculty of Contemporary Human Life Science; Nara Univ. of Educ.) YASUI, Shinro; YAMAZAKI, Shoko
- 2A4-43** Study on unusual emission of cyclopropane derivatives (Grad. Sch. Sci., Hiroshima Univ.) KANAHAARA, Kousei; ABE, Manabu
- 2A4-44** "The Excited State C-C Bond Cleavage-Emission" System of Methylenecyclopropanes Triggered by Intermolecular Energy Transfer

(Grad. Sch. Eng., Osaka Pref. Univ.) KIDO, Taiki; MATSUI, Yasunori; OHTA, Eisuke; IKEDA, Hiroshi

- 2A4-45** Generation and reactivity of diradicals in the decarbonylation reaction of cyclobutanones (Grad. Sch. Sci., Hiroshima Univ.) SAWAI, Asako; ABE, Manabu

Chair: OHKUBO, Kei (16 : 40~17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(2A4-47, 2A4-49, 2A4-50)
- 2A4-47**** Decoration of Porous Coordination Polymers with Nitroxyl Radicals for Selectively Catalytic Oxidation of Alcohols (iCeMS, Kyoto Univ.) LI, Liangchun; MATSUDA, Ryotaro; KITAGAWA, Susumu
- 2A4-49** Reaction Control of Dioxolanyl Cation Intermediate Generated by Oxidation with Hypervalent Iodine (Grad. Sch. Mat. Sci., Univ. of Hyogo) SHIMOYAKI, Mio; FUJITA, Morifumi; SUGIMURA, Takashi
- 2A4-50*** Photo-defluorination of Decafluorobiphenyl Sensitized by Aromatic Hydrocarbons (Grad. Sch. Sci. and Technol., Niigata Univ.; Fac. Sci., Niigata Univ.) USUI, Satoshi; SATO, Manami; ARAKI, Azusa

Asian International Symposium-Photochemistry-

Saturday, March 29, AM

(10 : 00~10 : 10)

- 3A4-07*** Opening address (Osaka University) Majima, Tetsuro (10:00~10:10)

Chair: Ohta, Nobuhiro (10 : 10~10 : 50)

- 3A4-08*** Keynote Lecture Studies of unimolecular photodissociation dynamics using synchrotron VUV ionization (NSRRC) Lee, Shih-Huang (10:10~10:50)

Chair: Tamai, Naoto (11 : 10~11 : 50)

- 3A4-14*** Invited Lecture Functionalization of titanium oxide by metal complex modification and its application to energy and molecular transformations (Kyushu University) Shimakoshi, Hisashi (11:10~11:30)
- 3A4-16*** Invited Lecture Photoswitching of biological functions based on the photoisomerization of azobenzenes (Hokkaido University) Fukaminato, Tsuyoshi (11:30~11:50)

Saturday, March 29, PM

Chair: Karatsu, Takashi (13 : 00~13 : 40)

- 3A4-25*** Keynote Lecture Optical gain in strongly quantum confined colloidal semiconductor nanostructures (National University of Singapore) Chan, Yin Thai (13:00~13:40)

Chair: Arai, Tatsuo (14 : 00~14 : 40)

- 3A4-31*** Invited Lecture Developing Metal-Polycyclic-Aromatic-Hydrocarbons Into a New Class of Organometallic Emitters and Photosensitizers (National University of Singapore) Yip, John H. K. (14:00~14:40)

Chair: Majima, Tetsuro (15 : 00~16 : 00)

- 3A4-37*** Keynote Lecture Eco-driven environmental remediation and H₂ generation based on photocatalytic and photoelectrocatalytic techniques (Shanghai Normal University) Li, Guisheng (15:00~15:40)
- 3A4-41*** Invited Lecture Design and application of TiO₂-based photo-functional materials (Osaka University) Kamegawa, Takashi (15:40~16:00)

Chair: Yasuda, Masahide (16 : 20~17 : 30)

- 3A4-45*** Invited Lecture DNA scaffolded chromophore aggregates and their photochemical behavior (University of Hyogo) Nakamura, Mitsunobu (16:20~16:40)
- 3A4-47*** Invited Lecture Photosensitized damage of DNA and protein (Shizuoka University) Hirakawa, Kazutaka (16:40~17:00)
- 3A4-49*** Invited Lecture Thermoswitchable Emission and Coloration of a Composite Material Containing a Luminescent Lanthanide(III) Complex and Fluoran Dye (Chiba University) Nakamura, Kazuki (17:00~17:20)
- 3A4-51*** Closing address (National University of Singapore) Yip, John H. K. (17:20~17:30)

Physical Organic Chemistry -Structures and Properties-

Sunday, March 30, AM

Photophysical property

Chair: MAEDA, Hajime (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4A4-01, 4A4-02, 4A4-03, 4A4-04, 4A4-05, 4A4-06)
- 4A4-01** Preparations of Quinoline Derivatives Responsive to External Stimuli and Fluorescence Alternation between Supercooled Liquid and Crystalline States (Grad. Sch. Pharm., Kyushu Univ.) HAGIHARA, Ryusuke;

- HARADA, Naomi; KARASAWA, Satoru; KOGA, Noboru
4A4-02 Preparations of Triaryl Amine Derivatives Having Quinoline Ring and Their Photoreactions (Grad. Sch. Pharm., Kyushu Univ.) TODO, Junichi; HARADA, Naomi; KARASAWA, Satoru; KOGA, Noboru
4A4-03 Crystal Structures and Emitting Properties of 1,5-Naphthyridine Fluorophores (Grad. Sch. Pharm., Kyushu Univ.) HARADA, Naomi; KARASAWA, Satoru; KOGA, Noboru
4A4-04 Fluorescence behavior of novel 1,8-naphthalimide derivative bearing an ionic liquid moiety (Fac. Eng., Tottori Univ.) NISHINO, Shoji; IZAWA, Hironori; IFUKU, Shinsuke; MORIMOTO, Minoru; SAIMOTO, Hiroyuki
4A4-05 Room temperature phosphorescence from carbazole substituted steroid derivative (OPERA, Kyushu Univ.) KABE, Ryota; ADACHI, Chihaya
4A4-06 Degradation of diarylbenzocborane and its optical property (Grad. Sch. Eng., Kyoto Univ.) NISHINO, Kenta; TOMINAGA, Masato; MORISAKI, Yasuhiro; CHUJO, Yoshiki

Chair: MORISAKI, Yasuhiro (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4A4-08, 4A4-10, 4A4-11, 4A4-12, 4A4-13)
4A4-08* Synthesis and photophysical properties of pyrene-based novel push-pull fluorescent dyes (Grad. Sch. Sci., Eng., Tokyo Tech) NIKO, Yosuke; KAWAUCHI, Susumu; DIDIER, Pascal; MELY, Yves; KLYMCHENKO, Andrey; KONISHI, Gen-ichi
4A4-10 Synthesis and Properties of Carbazole Dimers and Trimers Linked by Various Spacers (Faculty of Science and Technology, Gunma Univ.) NOGUCHI, Hiroto; KATO, Shin-ichiro; NAKAMURA, Yosuke
4A4-11 Synthesis and Properties of Pyrimidine Derivatives Bearing Carbazole Linked by Various Spacers (Gunma Univ. Faculty of Science and Technology) YAMADA, Yuji; HIYOSHI, Hidetaka; UMEZU, Kazuto; KATO, Shin-ichiro; NAKAMURA, Yosuke
4A4-12 Absorption, Fluorescence, and Photoreactivity of 2-(Benzyloxy-methyl)naphthalenes (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) HIRATA, Ryosuke; MAEDA, Hajime; SEGI, Masahito
4A4-13 Synthesis and properties of [2.2]paracyclophane-based non-conjugated type photoinduced charge-transfer molecules (IMCE, Kyushu Univ.; Grad. Sch. Sci., Kyushu Univ.; ISIR, Osaka Univ.; Oita Univ. Fac. Ed. Wel. Sci.) MIYAZAKI, Takaaki; FUJISHIGE, Jun-ichi; SHIBAHARA, Masahiko; GOTO, Kenta; FUJITSUKA, Mamoru; MAJIMA, Tetsuro; SHINMYOZU, Teruo

Chair: KARASAWA, Satoru (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4A4-15, 4A4-17, 4A4-18, 4A4-19, 4A4-20)
4A4-15** Nonlinear Optical Effects related to Aromatic Polyimide Conformation (Grad. Sch. Sci., Eng., Tokyo Tech) SHIRATA, Kei; HATTORI, Masaya; MIYAWAKI, Ryosuke; KAWAUCHI, Susumu
4A4-17 Photon-Upconversion Molecular System (4) Controlled arrangements of donor and acceptor molecules by-hydrogen bonding interactions (Fac. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST-CREST) HOSOYAMADA, Masanori; MASE, Kazuma; YANAI, Nobuhiro; KIMIZUKA, Nobuo
4A4-18 Photon-Upconversion Molecular Systems (5) Triplet Energy Migration in Liquid Crystals (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST-CREST) MASE, Kazuma; YANAI, Nobuhiro; KIMIZUKA, Nobuo
4A4-19 Thermally activated delayed fluorescence (TADF) compounds containing N,N-bis(carbazolyl)aniline donor (OPERA, Kyushu Univ.) NODA, Hiroki; SHIZU, Katuyuki; TANEDA, Masatugu; TANAKA, Hiroyuki; ADACHI, Chihaya
4A4-20 Formation of the Excited Trimethylenemethane Biradical by Double Laser Flash Photolysis and Its Application to OLED (Grad. Sch. Eng., Osaka Pref. Univ.) TAKAE, Kosuke; FURUTA, Suguru; MATSUI, Yasunori; OHTA, Eisuke; MIZUNO, Kazuhiko; NAITO, Hiroyoshi; IKEDA, Hiroshi

Sunday, March 30, PM

Nonstructure and its Physical Property

Chair: NAKAHODO, Tsukasa (13 : 30~14 : 10)

- * 13:20-13:30: interval for laptop PC connection.(4A4-28, 4A4-29, 4A4-30)
4A4-28 Synthesis of the Octameric Assembly of Dendrimers by Repeating the Activation of the Terminal Functional Groups and the Click Reaction (Grad. Sch. Sci., Osaka City Univ.) NISHIOKA, Saori; KOZAKI, Masatoshi; SUZUKI, Shuichi; OKADA, Keiji
4A4-29 Construction of one-dimensional J-aggregates composed of porphyrinatozinc having both imidazolyl and pyridyl moieties (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) SHIMA, Tsunehiko; SATAKE, Akiharu
4A4-30** Synthesis of dyne-labeled sphingomyelin and evaluation of its raft-like domain formation (Sch. Sci., Osaka Univ.) CUI, Jin; KINOSHITA, Masanao; MATSUOKA, Shigeru; SATO, Fuminori; ANDO, Jun; YAMAGOSHI, Hiroyuki; DODO, Koyuke; FUJITA, Katsumasa; SODEOKA, Mikio; MURATA, Michio

Chair: SATAKE, Akiharu (14 : 20~14 : 50)

- * 14:10-14:20: interval for laptop PC connection.(4A4-33, 4A4-34, 4A4-35)
4A4-33 Synthesis of Metal Nanoparticle-Hybrid Polymer Nanotubes and

- Their Heterojunctions (Kinki Univ.) NISHIURA, Asuka; NAKAHODO, Tsukasa; FUJIHARA, Hisashi
4A4-34 Click Reaction of Metal Nanoparticles in the Surface of Polymer Nanotubes (Fac. Sci. Eng., Kinki Univ.) YAMAMOTO, Keiichi; NAKAHODO, Tsukasa; FUJIHARA, Hisashi
4A4-35 Preparation of Pd-deposited Boronate Microparticles and Their Catalytic Function (Urban Environmental Sci., Tokyo Metropolitan Univ.) FUJIWARA, Seika; NISHIYABU, Ryuhei; KUBO, Yuji

Chair: NITANI, Masashi (15 : 00~15 : 20)

- * 14:50-15:00: interval for laptop PC connection.(4A4-37, 4A4-38)
4A4-37 Preparation of boronate nanorods composed of tetraphenylethylene and their multicolor emission (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) SUGINO, Yasuyuki; SHIMIZU, Ai; NISHIYABU, Ryuhei; KUBO, Yuji
4A4-38 Synthesis and Properties of Novel Polythiophene Nanotubes Using Chiral Liquid Crystal (Kinki Univ.) YAMASHITA, Tomohiko; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

Chair: NISHIYABU, Ryuhei (15 : 30~15 : 50)

- * 15:20-15:30: interval for laptop PC connection.(4A4-40, 4A4-41)
4A4-40 Development of Tripodal Anchor Having Fused Aromatic Compounds and Evaluation of Monolayers on Graphite Electrode (ISIR, Osaka Univ.) TASHIRO, Aya; IE, Yutaka; NITANI, Masashi; ASO, Yoshio
4A4-41 Synthesis and Function of Redox-active Dicationic Chiral Polymer Nanotubes (Fac. Sci. Eng., Kinki Univ.) KAMEYAMA, Motoki; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

Room A5

School of Agricultural Sciences - Lecture Building & Building B

Physical Organic Chemistry -Structures and Properties-

Thursday, March 27, AM

Nonstructure and its Physical Property

Chair: SATO, Satoru (9 : 00 ~9 : 40)

- * 8:50-9:00: interval for laptop PC connection.(1A5-01, 1A5-02, 1A5-03)
1A5-01 Guest Recognition of Porous Two-Dimensional Molecular Network with Periodically Aligned Two Different Pores (Grad. Sch. Eng. Sci., Osaka Univ.) NAKATANI, Kenta; TAHARA, Kazukuni; TOBE, Yoshito
1A5-02 Construction of a Two-Dimensional Porous Molecular Alignment with Zinc Porphyrin Units in the Pores and Its Molecular Recognition Ability (Grad. Sch. Eng. Sci., Osaka Univ.) IRITANI, Kohei; TAHARA, Kazukuni; TOBE, Yoshito
1A5-03** Porous Molecular Networks on Graphene Formed by Self-Assembly of Dehydrobenzo[12]annulene Derivatives (Grad. Sch. Eng. Sci., Osaka Univ.; JST-PRESTO; KU Leuven-University of Leuven Department of Chemistry.) TAHARA, Kazukuni; LI, Bing; ADISOEJOSO, Jinne; VANDERLINDEN, Willem; DE GENDT, Stefan; DE FEYTER, Steven; TOBE, Yoshito

Chair: TAHARA, Kazukuni (9 : 50 ~10 : 30)

- * 9:40-9:50: interval for laptop PC connection.(1A5-06, 1A5-08)
1A5-06* Phototriggered Formation and Disappearance of Surface-Confined Cooperative Self-Assembly Composed of Photochromic 2-Thienyl-Type Diarylethene (Grad. Sch. Eng., Kyoto Univ.) YOKOYAMA, Soichi; HIROSE, Takashi; MATSUDA, Kenji
1A5-08* Self-assembly of donor-acceptor molecules with moiety for metal-metal interaction (MANA, NIMS) SATO, Satoru; TASHIRO, Kentaro

Chair: HIROSE, Takashi (10 : 40~11 : 20)

- * 10:30-10:40: interval for laptop PC connection.(1A5-11, 1A5-13, 1A5-14)
1A5-11* Stacked Array Network of Flexible and Nonplanar π -Conjugated Molecules for Constructing Anisotropically Compressible Channels (Nagoya Univ. WPI-ITbM; Grad. Sch. Sci., Nagoya Univ.; PRESTO, JST; CREST, JST) NOBUSUE, Shunpei; SAITO, Shohei; MOURI, Kazuhiro; YAMAGUCHI, Shigehiro
1A5-13 Chirality Inversion in Supramolecular Aggregation of Oligo(phenylenevinylene) Dyads (Grad. Sch. Eng., Chiba Univ.) YAMAUCHI, Mitsuaki; TAZAWA, Tsuyoshi; KARATSU, Takashi; KITAMURA, Akihiko; YAGAI, Shiki
1A5-14 Synthesis of a Discrete Giant Macrocycle Consisted of Diindolocarbazole via Sulphen-Based Dynamic Covalent Chemistry (Grad. Sch. Sci., Nagoya Univ.) KATO, Masahiro; KAWANO, Shin-ichiro; TANAKA, Kentaro

Chair: SAITO, Shohei (11 : 30~12 : 00)

- * 11:20-11:30: interval for laptop PC connection.(1A5-16, 1A5-17, 1A5-18)

1A5-16 Synthesis and Orientation of One-Dimensional MOF (Grad. Sch. Sci., Nagoya Univ.) SASAKI, Aki; KAWANO, Shin-ichiro; TANAKA, Kentaro

1A5-17 Thermotropic Liquid Crystal of Metallomacrocycles Composed of Alternately Condensed Salen and Dibenzothioephene: Relation Between the Metal Ions and the Ordered Structures (Grad. Sch. Sci., Nagoya Univ.) HAMAZAKI, Takashi; KAWANO, Shin-ichiro; TANAKA, Kentaro

1A5-18 Synthesis and Liquid Crystalline Behavior of Macrocyclic Metal Complexes composed of Naphthalenediimide Derivative Tethering Two β -Diketonate Ligands (Grad. Sch. Sci., Nagoya Univ.) HARADA, Takahiro; KAWANO, Shin-ichiro; TANAKA, Kentaro

Chair: KAWANO, Shin-ichiro (12 : 10~12 : 30)

* 12:00-12:10: interval for laptop PC connection.(1A5-20, 1A5-21)

1A5-20 Structures and properties of cast films prepared from macrocyclic oligothiophene 8mer-fullerene complexes (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) SHIMIZU, Hideyuki; IYODA, Masahiko

1A5-21 Chiral liquid-crystalline phases from achiral linear trimeric molecules (Hiroaki Univ. Science and Technology) SASAKI, Haruna; TAKANISHI, Yoichi; YAMAMOTO, Jun; YOSHIZAWA, Atsusi

Thursday, March 27, PM

Chair: NAKAHODO, Tsukasa (13 : 40~14 : 10)

* 13:30-13:40: interval for laptop PC connection.(1A5-29, 1A5-30, 1A5-31)

1A5-29 Construction of Novel Macrocycles by Dynamic Imine Bond Formation of Diformylhydriindacenes and the π -Extended Analogues (Fac. Sci., Tokyo Univ. of Sci.) SAITO, Hayato; TACHIYA, Naoto; KAWAI, Hidetoshi

1A5-30 Construction of Novel Molecular Cages Using by Dynamic Imine Bond Formation between Hydriindacene Derivatives and Disk-shaped Molecules (Fac. Sci., Tokyo Univ. of Sci.) TACHIYA, Naoto; SAITO, Hayato; KAWAI, Hidetoshi

1A5-31 Aqueous Molecular Nanotubes Containing Anthracene Rings: Guest Encapsulation and Fluorescent Properties (Chem. Res. Lab., Tokyo Tech) HAGIWARA, Keita; YOSHIZAWA, Michito; AKITA, Munetaka

Chair: KAWAI, Hidetoshi (14 : 20~14 : 40)

* 14:10-14:20: interval for laptop PC connection.(1A5-33, 1A5-34)

1A5-33 Encapsulation of Linear Molecules by a Molecular Nanotube Bearing Anthracene Rings (Chem. Res. Lab., Tokyo Tech) YAZAKI, Kohei; YOSHIZAWA, Michito; AKITA, Munetaka

1A5-34 Synthesis and Functionalization of Chiral Semiconductor Nanoparticle Hybrid Polymer Nanotubes (Fac. Sci. Eng., Kinki Univ.) TOGAWA, Yusuke; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

Chair: SAKAI, Hayato (17 : 00~17 : 40)

* 16:50-17:00: interval for laptop PC connection.(1A5-49, 1A5-51, 1A5-52)

1A5-49* Photon-Upconversion Molecular Systems (1) Triplet Energy Migration in Coordination Frameworks (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST CREST) YANAI, Nobuhiro; MAHATO, Prasenjit; KIMIZUKA, Nobuo

1A5-51 Photon-Upconversion Molecular Systems (2) Control of Dye Association by Electrostatic Interactions (Fac. Eng., Kyushu Univ.) HISAMITSU, Shota; YANAI, Nobuhiro; KIMIZUKA, Nobuo

1A5-52 Photon-Upconversion Molecular Systems (3) Stabilization of the Triplet State in Air. (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST CREST) OGAWA, Taku; YANAI, Nobuhiro; KIMIZUKA, Nobuo

Chair: YANAI, Nobuhiro (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(1A5-54, 1A5-55, 1A5-56)

1A5-54 Photosensitized Hydrogen Evolution from Water Using Single-Walled Carbon Nanotube/Fullerodendron/SiO₂-TiO₂ Coaxial Nanohybrids (Grad. Sch. Env. Sci., Okayama Univ.; Grad. Sch. Sci. Tech., Keio Univ.) GOTO, Kenta; SASADA, Yukari; TAJIMA, Tomoyuki; OAKI, Yuya; IMAI, Hiroaki; TAKAGUCHI, Yutaka

1A5-55 Light-Resistance of Photosensitizer Dye Nanoparticle-Coated Membranes for Singlet Oxygen Generation and Application to Photooxidative Degradation (Nagaoka Univ. of Tech.) ONODERA, Masataka; TAKAHASHI, Yukiko

1A5-56* Structural Control and Photoinduced Electron Transfer of Metal Coordination-Assisted Porphyrin Assemblies (Fac. Sci. Tech., Keio Univ.) SAKUMA, Takao; SAKAI, Hayato; HASOBE, Taku

Friday, March 28, AM

Molecular Recognition

Chair: TASHIRO, Shohei (9 : 00 ~ 9 : 40)

* 8:50-9:00: interval for laptop PC connection.(2A5-01, 2A5-02, 2A5-03)

2A5-01 Mutual Induced-Fit in Artificial System: Synthesis of Host-in-a-Host Molecules (Grad. Sch. Eng., The Univ. of Tokyo) SAWADA, Tomohisa; HISADA, Hayato; FUJITA, Makoto

2A5-02 Modification of a Self-Assembled Bowl-Shaped Cavity with Functional Groups (Grad. Sch. Eng., The Univ. of Tokyo) MORI, Masatoshi;

SAWADA, Tomohisa; FUJITA, Makoto

2A5-03** Molecular recognition controlled by remote substituents on self-assembled hollow cages (Grad. Sch. Eng., The Univ. of Tokyo) FANG, Yu; MURASE, Takashi; FUJITA, Makoto

Chair: SAWADA, Tomohisa (9 : 50 ~ 10 : 30)

* 9:40-9:50: interval for laptop PC connection.(2A5-06, 2A5-08)

2A5-06* Multipoint recognition of sandwich-type guest molecules by a metallo-cyclophane possessing four anthracenes and two silver ions on the inner wall (Grad. Sch. Sci., The Univ. of Tokyo) OMOTO, Kenichiro; KURITANI, Masumi; TASHIRO, Shohei; SHIONOYA, Mitsuhiko

2A5-08* Control of the selectivity on absorption of small organic molecules with crystal of thiacalixarenes (Grad. Sch. Eng., Tohoku Univ.) MOROHASHI, Naoya; MIYOSHI, Ikuko; OHSUGI, Kazusa; KITAMOTO, Yuichi; TANAKA, Shinya; HATTORI, Tetsutaro

Chair: HAINO, Takeharu (10 : 40~11 : 10)

* 10:30-10:40: interval for laptop PC connection.(2A5-11)

2A5-11 CSJ Award for Young Chemists Visualization of Solution Chemistry by X-ray Crystallography within Crystals of Porous Coordination Networks (Grad. Sch. Eng., The Univ. of Tokyo) INOKUMA, Yasuhide

Chair: MOROHASHI, Naoya (11 : 20~11 : 50)

* 11:10-11:20: interval for laptop PC connection.(2A5-15, 2A5-16, 2A5-17)

2A5-15 X-ray crystallographic analysis of ozonides using porous coordination networks (Grad. Sch. Eng., The Univ. of Tokyo; JST CREST) YOSHIOKA, Shota; INOKUMA, Yasuhide; FUJITA, Makoto

2A5-16* Stable encapsulation of acrylate esters within networked capsules (Grad. Sch. Eng., The Univ. of Tokyo) NING, Guo-hong; INOKUMA, Yasuhide; FUJITA, Makoto

2A5-17 Synthesis of precise biologically active saccharide clusters through self-assembly for observation of biomolecular interactions (Grad. Sch. Eng., The Univ. of Tokyo) YOSHIMASA, Yutaka; FUJITA, Daishi; SATO, Sota; YAGI, Maho; KATO, Koichi; FUJITA, Makoto

Chair: FUJITA, Daishi (12 : 00~12 : 30)

* 11:50-12:00: interval for laptop PC connection.(2A5-19, 2A5-20, 2A5-21)

2A5-19 Cooperative Binding of Polyfluorinated Compounds Through Self-Aggregation in a Self-Assembled Coordination Host (Grad. Sch. Eng., The Univ. of Tokyo) TAKEZAWA, Hiroki; MURASE, Takashi; FUJITA, Makoto

2A5-20 Creation of a Crystalline Peptide Folded Coordination Network and Its Molecular Recognition (Grad. Sch. Eng., The Univ. of Tokyo) MATSUMOTO, Asami; SAWADA, Tomohisa; FUJITA, Makoto

2A5-21 Comprehensive Investigation of Guest Molecule Adsorption on the Pore Surface of a Porous Crystal Consisting of Macrocyclic Pd(II) Complexes (Grad. Sch. Sci., The Univ. of Tokyo) UMEKI, Tsutomu; KUBOTA, Ryou; TASHIRO, Shohei; SHIONOYA, Mitsuhiko

Friday, March 28, PM

Chair: FUKUHARA, Gaku (13 : 40~14 : 20)

* 13:30-13:40: interval for laptop PC connection.(2A5-29, 2A5-30, 2A5-32)

2A5-29 Spiropyran as a Chemosensor for Selective Colorimetric Detection of Aromatic Thiols in Aqueous Media (Sch. Eng. Sci., Osaka Univ.) YAMAMOTO, Kohei; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki

2A5-30* Cyclization-Induced Emission (CIE) System Applicable to Dicarboxylate Sensing (IAS, Kyushu Univ.) NOGUCHI, Takao; SHINKAI, Seiji

2A5-32 Synthesis of Anion-Responsive π -Electronic Molecules Comprising Alternately Arranged Pyrrole and Diketone Moieties (Coll. Pharm. Sci., Ritsumeikan Univ.) MAEDA, Hiromitsu; KINOSHITA, Keita

Chair: MIYAKE, Hiroyuki (14 : 30~15 : 10)

* 14:20-14:30: interval for laptop PC connection.(2A5-34, 2A5-35, 2A5-36)

2A5-34 Molecular Recognition of 4-Dimethylaminobenzoate-modified Curdlan (Grad. Sch. Eng., Osaka Univ.) KUROHARA, Hiroki; FUKUHARA, Gaku; MORI, Tadashi; INOUE, Yoshihisa

2A5-35 Selective Oligosaccharide Sensing with Porphyrin-modified Curdlans in Aqueous Media (Grad. Sch. Eng., Osaka Univ.) SASAKI, Mayuko; FUKUHARA, Gaku; MORI, Tadashi; INOUE, Yoshihisa

2A5-36* Complexation Mechanism of Glucan-Polythiophene Hybrids (Grad. Sch. Eng., Osaka Univ.) FUKUHARA, Gaku; IMAI, Mami; MORI, Tadashi; INOUE, Yoshihisa

Chair: MORI, Tadashi (15 : 20~15 : 50)

* 15:10-15:20: interval for laptop PC connection.(2A5-39, 2A5-40, 2A5-41)

2A5-39 TPEN-Nd(III) complex as a chirality probe (Grad. Sch. Sci., Osaka City Univ.) KUNIYA, Takuro; SHINODA, Satoshi; TSUKUBE, Hiroshi; MIYAKE, Hiroyuki

2A5-40 Carboxylic Acid Recognition of an Ethyl-substituted Diamidine Having an Anthracene Unit (KIT) KUSUKAWA, Takahiro; INOUE, Kouta; HARADA, Toshiro

2A5-41 Phosphonic Acid Recognition of a Diamidine Having an Anthracene Unit (KIT) KUSUKAWA, Takahiro; NAGANO, Hitoshi; HARADA, Toshiro

Chair: KUSUKAWA, Takahiro (16 : 00~16 : 40)

- * 15:50-16:00: interval for laptop PC connection.(2A5-43, 2A5-45, 2A5-46)
2A5-43* Optical properties and aggregation-induced emission enhancement of PEG-capped clusters (Grad. Sch. Env. Sci., Hokkaido Univ.; Fac. Env. Earth Sci., Hokkaido Univ.) FUKUNAGA, Naoto; SHICHIBU, Yukatsu; KONISHI, Katsuaki
2A5-45 Selective Interaction of Tiara-Shaped Macrocyclic Metal-Thiolate Cluster with Silver(I) Ion (Grad. Sch. Env. Sci., Hokkaido Univ.) YOSHIDA, Keisuke; SEDA, Keita; SHICHIBU, Yukatsu; KONISHI, Katsuaki
2A5-46 Protonation-induced chromism of pyridinethiolate-appended Au₈ clusters (Grad. Sch. Env. Sci., Hokkaido Univ.) KOBAYASHI, Naoki; KAMEI, Yutaro; SHICHIBU, Yukatsu; KONISHI, Katsuaki

Chair: KONISHI, Katsuaki (16 : 50~17 : 30)

- * 16:40-16:50: interval for laptop PC connection.(2A5-48, 2A5-50, 2A5-51)
2A5-48** Development of macrocyclic host molecules based on dynamic octadentate cyclen-metal complexes (Grad. Sch. Sci., Osaka City Univ.) ITO, Hiroshi; SHINODA, Satoshi
2A5-50 Studies on Emission Properties of 3,7-Diphenylphenothiazine Derivatives (Grad. Sch. Sci., Osaka City Univ.) KARIMATA, Ayumu; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji
2A5-51 Development of Fluorescent Sensors for Metal Ions Based on Benzocrown Ether-Ethynylpyrene Linked Molecules (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) TANAKA, Kazuhiro; ARATANI, Mona; MAEDA, Hajime; SEGI, Masahito

Saturday, March 29, AM

Molecular Recognition

Chair: SHIMAKOSHI, Hisashi (9 : 00 ~9 : 30)

- * 8:50-9:00: interval for laptop PC connection.(3A5-01, 3A5-02, 3A5-03)
3A5-01 Chiral Recognition by Cyclodextrin Dimers in Organic Solvents (Grad. Sch. Eng., Osaka Univ.) KOGAME, Chizuru; KIDA, Toshiyuki; AKASHI, Mitsuru
3A5-02 Synthesis of Fluorescent Quinoxalinone Derivative and its Cation-Anion Sensing (IMRAM, Tohoku Univ.) NAKANE, Yuta; TAKEDA, Takashi; HOSHINO, Norihisa; SAKAI, Ken-ichi; AKUTAGAWA, Tomoyuki
3A5-03 Synthesis of highly photostable rotaxane-type fluorophores and their use for biomolecular labeling (Fac. Pharm. Sci., Univ. of Toyama) YOSHIZAWA, Atsushi; ITOU, Tatsuya; INOUE, Masahiko

Chair: TAKASE, Masayoshi (9 : 40 ~10 : 20)

- * 9:30-9:40: interval for laptop PC connection.(3A5-05, 3A5-07, 3A5-08)
3A5-05* Molecular Design of Light Emitting Lattice Inclusion Crystals: Approaches to Multi-Color, White Light, and Room Temperature Phosphorescent Emitting Materials (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. Center for Molecular Systems) ONO, Toshikazu; HATANAKA, So; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
3A5-07 Molecular Design of Light Emitting Lattice Inclusion Crystals: Preparation of the Crystals by Solid-state Synthesis. (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. Center for Molecular Systems) HATANAKA, So; ONO, Toshikazu; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
3A5-08 Optically active phosphonothioic acid: Enantioseparation and application (Sch. Env. Sci. Eng., KUT) INOUE, Kanami; MATSUMOTO, Kazushige; NISHIWAKI, Nagatoshi; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko

Chair: ONO, Toshikazu (10 : 30~11 : 00)

- * 10:20-10:30: interval for laptop PC connection.(3A5-10, 3A5-11, 3A5-12)
3A5-10 Synthesis and host ability of coordination capsules having six hydroxy groups inside (Grad. Sch. Med. Pharm. Sci. Edu., Univ. of Toyama) OHTANI, Kohei; ABE, Hajime; INOUE, Masahiko
3A5-11 Optical resolution of 2,2',3,3'-tetrahydroxy-1,1'-binaphthyl derivatives. (Fac. Chem. Materials and Bioeng., Kansai Univ.) ISHIMOTO, Shoma; NOTO, Kasumi; TANAKA, Koichi
3A5-12 Substituent Effect on the Binding of Chiral α -Hydroxyl Carboxylic Acid to the Cage-Like Porphyrinoids (Grad. Sch. Sci., Kobe Univ.) OYAMA, Yuto; SETSUNE, Jun-ichiro

Chair: GOTO, Kenta (11 : 10~11 : 40)

- * 11:00-11:10: interval for laptop PC connection.(3A5-14, 3A5-15, 3A5-16)
3A5-14 Synthesis of multi-point interactive receptor containing Cd(II) porphyrin (Grad. Sch. Sci., Osaka City Univ.) SHINODA, Satoshi; SAKAI, Shotaro; ITO, Hirishi; MIYAKE, Hiroyuki
3A5-15 Synthesis and Complexation Behavior of Molecular Receptors Containing Ethynylcarbazole Moieties (Grad. Sch. Eng., Gunma Univ.) SAKAINO, Yuta; YASUDA, Kenji; KATO, Shin-ichiro; MATSUO, Ichiro; NAKAMURA, Yosuke
3A5-16 Synthesis of Carbazole-based Conjugated Macrocycles by Click Reactions and Their Complexation Behavior (Grad. Sch. Eng., Gunma Univ.) JIN, Satoshi; KATO, Shin-ichiro; NAKAMURA, Yosuke

Chair: KATO, Shin-ichiro (11 : 50~12 : 30)

- * 11:40-11:50: interval for laptop PC connection.(3A5-18, 3A5-20, 3A5-21)
3A5-18** Carbon nanorings as porous materials (ENCs, Shinshu Univ.) SAKAMOTO, Hiroto; FUJIMORI, Toshihiko; LI, Xiaolin; KANEKO, Katsumi
3A5-20 Selective Alcohol Adsorption in Uniformly Ordered Array of Lipophilic Mesopores by a Giant Macrocycle (IMCE, Kyushu Univ.) GOTO, Kenta; UCHISE, Takahisa; HARANO, Aya; SHINMYOZU, Teruo
3A5-21 Complexation ability of a phenanthroline by various size and structure of isophthalamide macrocycles (OIT) MURAOKA, Masahiro; FUJIHARA, Sae; URATA, Junki; NAKATSUJI, Yohji

Saturday, March 29, PM

Chair: ALBRECHT, Ken (13 : 40~14 : 10)

- * 13:30-13:40: interval for laptop PC connection.(3A5-29, 3A5-30, 3A5-31)
3A5-29 Application of *anti*-*O,O'*-Di(carboxymethyl) *p*-*H*-calix[4]arene as Chiral Solvating Agent (Ishinomaki Senshu Univ. School of Science and engineering) SUGATA, Haruki; NARUMI, Fumitaka
3A5-30 Synthesis and Complexation Ability of Cyclic Dipyrin Oligomers Bridged by *m*-Phenylene Spacers (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) UCHIDA, Junji; YAMAMURA, Masaki; NABESHIMA, Tatsuya
3A5-31 Synthesis of Aryl-Substituted Chiral Macrocyclic Compounds (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) WATANABE, Sagiri; YAMASAKI, Takayuki; MAEDA, Chihiro; EMA, Tadashi

Chair: OKAMOTO, Toshihiro (14 : 20~14 : 50)

- * 14:10-14:20: interval for laptop PC connection.(3A5-33, 3A5-34, 3A5-35)
3A5-33 Molecular shape recognition by inner cavities of rigid dendrimers (Chem. Res. Lab., Tokyo Tech) KATOH, Yuto; IMAOKA, Takane; YAMAMOTO, Kimihisa
3A5-34 Structure Optimization of Bifunctional Porphyrin Catalysts for Carbon Dioxide Fixation (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) JUNTA, Shimonishi; CHIHRO, Maeda; TADASHI, Ema
3A5-35 Development of Bifunctional Triporphyrin Catalysts for Carbon Dioxide Fixation (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MAEDA, Chihiro; OGAWA, Kanae; TANIGUCHI, Tomoya; EMA, Tadashi

Organic Conductor and Semiconductor

Chair: IE., Yutaka (15 : 00~16 : 10)

- * 14:50-15:00: interval for laptop PC connection.(3A5-37, 3A5-38, 3A5-39, 3A5-40, 3A5-42, 3A5-43)
3A5-37 Synthesis and Solid State Optical Properties of Methoxycarbonyl Substituted 2,5-Di(1,3-dithiol-2-ylidene)-1,3-dithiolane-4-thione Derivatives (Grad. Sch. Eng., Shizuoka Univ.) UEDA, Kazumasa; KUSANAGI, Hiroki; NANBO, Hiroki; KOHNO, Yoshiumi; MIYABAYASHI, Keiko; EGAMI, Tomoe
3A5-38 Synthesis of Inorganic-Organic Hybrid Semiconductor Molecules Based on Boron Clusters and Their Application in Organic Light-Emitting Diodes (Grad. Sch. Eng., Kyushu Univ.) NISHIMOTO, Takuro; YASUDA, Takuma; LEE, Sae youn; ADACHI, Chihaya
3A5-39 Design, synthesis and opto-electrical properties of a red thermally activated delayed fluorescence (TADF) emitter (OPERA, Kyushu Univ.; I₂CNER, Kyushu Univ.; Japan Display Inc.; NIPPON KAYAKU CO.,LTD. R&D Planning Division) HATAE, Yasuhiro; POTSCAVAGE, William; HIRATA, Shuzo; SHIZU, Katsuyuki; SHIBATA, Takumi; KUWABARA, Hirokazu; ADACHI, Chihaya
3A5-40* Anomalous structural transition of alkylated selenium-bridged V-shaped pi-conjugated materials (Grad. Sch. Frontier Sci., The Univ. of Tokyo) MITSUI, Chikahiko; OKAMOTO, Toshihiro; YAMAGISHI, Masakazu; NAKAMURA, Ken-ichi; SATO, Hiroyasu; YAMANO, Akihito; TAKEYA, Jun
3A5-42 Synthesis of sulfur-bridged W-shaped pi-conjugated materials and their carrier-transporting properties (Grad. Sch. Frontier Sci., The Univ. of Tokyo) YAMAMOTO, Akito; MITSUI, Chikahiko; OKAMOTO, Toshihiro; YAMAGISHI, Masakazu; MATSUI, Hiroyuki; SATO, Hiroyasu; YAMANO, Akihito; TAKEYA, Jun
3A5-43 Integration and Charge Transport Properties of Planar- and Twisted-Shaped π -Conjugated Molecules (OPERA, Kyushu Univ.) MIENO, Hiroyuki; YASUDA, Takuma; YANG, Yu seok; ADACHI, Chihaya

Chair: NISHIDA, Jun-ichi (16 : 20~17 : 20)

- * 16:10-16:20: interval for laptop PC connection.(3A5-45, 3A5-46, 3A5-47, 3A5-48, 3A5-49, 3A5-50)
3A5-45 Biphenyl End-Capped Oligo-Selenophene for Organic Field-Effect Transistors (WPI-AIMR, Tohoku Univ.) ONIWA, Kazuaki; JIN, Tienan; SHIMOTANI, Hidekazu; TANIGAKI, Katsumi; ASAO, Naoki; YAMAMOTO, Yoshinori
3A5-46 Synthesis and evaluation of new rubrene derivatives for improvement of n-type characteristics (WPI-AIMR, Tohoku Univ.) MUTOH, Hirotaka; TAKANO, Yoichi; ONIWA, Kazuaki; JIN, Tienan; SHIMOTANI, Hidekazu; TANIGAKI, Katsumi; YAMAMOTO, Yoshinori; ASAO, Naoki
3A5-47 Bithiazole Incorporated Oligomers for High Performance OFETs (WPI-AIMR, Tohoku Univ.) KIKUCHI, Hiromasa; ONIWA, Kazuaki;

JIN, Tienan; SHIMOTANI, Hidekazu; TANIGAKI, Katsumi; YAMAMOTO, Yoshinori; ASAO, Naoki

- 3A5-48** Electron-accepting pi-Electron Systems Based on Benzothiadiazole and Cyclic Imide Groups: Influence of Electronic Properties and Thin-film Properties on Photovoltaic Performances (ISIR, Osaka Univ.) JINNAI, Seihou; IE, Yutaka; ASO, Yoshio
- 3A5-49** Structural Modification of D- π -A Type Dyes with Diketopyrrolopyrrole Unit as a π -Spacer (ICR, Kyoto Univ.; JST-PRESTO) SHIMOGAWA, Hiroyuki; ENDO, Masaru; YOSHIDA, Eri; NAKAIKE, Yumi; WAKAMIYA, Atsushi; MURATA, Yasujiro
- 3A5-50** Synthesis and Properties of Thiazole-fused Benzothiadiazole Derivatives (ICR, Kyoto Univ.; JST-PRESTO) SATO, Motoi; WAKAMIYA, Atsushi; MURATA, Yasujiro

Chair: WAKAMIYA, Atsushi (17 : 30~18 : 30)

- * 17:20-17:30: interval for laptop PC connection.(3A5-52, 3A5-53, 3A5-54, 3A5-55, 3A5-56, 3A5-57)
- 3A5-52** Development of pyranilidene dyes with a pyridinium group, and their application to dye-sensitized solar cells (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) KATAYAMA, Takuya; YAMASHITA, Yoshiro; NISHIDA, Junichi
- 3A5-53** Synthesis and properties of new diketopyrrolopyrrole derivatives containing electron-accepting unit (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) ITO, Shinpei; YAMASHITA, Yoshiro; NISHIDA, Jun-ichi
- 3A5-54** Materials for Organic Solar Cells: Synthesis and Properties of Diketopyrrolopyrrole-linked Benzoporphyryns (Grad. Sch. Mat. Sci., NAIST) TAKAHASHI, Kohtarō; YAMADA, Naoya; SAEKI, Hiroyuki; SUZUKI, Mitsuharu; KUZUHARA, Daiki; ARATANI, Naoki; NAKAYAMA, Ken-ichi; YAMADA, Hiroko
- 3A5-55** Synthesis of new n-type organic semiconductors based on bibenzothiadiazole for photovoltaics. (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SATO, Ryoji; YAMASHITA, Yoshiro; NISHIDA, Jun-ichi
- 3A5-56** Synthesis and Properties of Multi-Fused Aromatics Composed by Pyrazine and Thiazole and Their Containing Polymers (ISIR, Osaka Univ.) SASADA, Shohei; IE, Yutaka; ASO, Yoshio
- 3A5-57** Synthesis and Properties of Thiazole-fused Polycyclic System Having s-Indacene (ISIR, Osaka Univ.) SATO, Chihiro; IE, Yutaka; NITANI, Masashi; ASO, Yoshio

Sunday, March 30, AM

Chair: SUZUKI, Shuichi (9 : 00 ~9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(4A5-01, 4A5-02, 4A5-03, 4A5-05)
- 4A5-01** Stereoselective Cycloadditions of Epoxynaphthalene and Isobenzofuran for Efficient Access to Substituted Pentacenes (Sch. Sci. Tech., Kwansei Gakuin Univ.) EGUCHI, Fumiaki; HANEDA, Hiroshi; HAMURA, Toshiyuki
- 4A5-02** Successive Cycloadditions of Isobenzofurans into Substituted Pentacenes with Electron Withdrawing Groups (Sch. Sci. Tech., Kwansei Gakuin Univ.) EDA, Shohei; HANEDA, Hiroshi; ARATANI, Masato; HAMURA, Toshiyuki
- 4A5-03***# Synthesis and properties of π -extended derivatives of sumanene (IMS) SHRESTHA, Binod babu; KARANJIT, Sangita; HIGASHIBAYASHI, Shuhei; SAKURAI, Hidehiro
- 4A5-05** Crystal structure and anions of sumanenetrione (IMS) HIGASHIBAYASHI, Shuhei; SHRESTHA, Binod babu; MORITA, Yuki; OHKUBO, Kei; FUKUZUMI, Shunichi; SAKURAI, Hidehiro
- Chair: MAEDA, Hiromitsu (10 : 00~10 : 50)
- * 9:50-10:00: interval for laptop PC connection.(4A5-07, 4A5-08, 4A5-09, 4A5-10, 4A5-11)
- 4A5-07** Synthesis and photophysical properties of new quinoxaline-fused tetrathia[9]helicene derivatives (Fac. Sci. Tech., Keio Univ.) YAMAMOTO, Yuki; SAKAI, Hayato; HASOBE, Taku
- 4A5-08** Efficient access to dialkynylisobenzofurans (Sch. Sci. Tech., Kwansei Gakuin Univ.) ASAHINA, Kenta; NAKAYAMA, Ryosuke; HAMURA, Toshiyuki
- 4A5-09** Synthesis of Hafnocene Complex with π -Bowl Sumanenyl Ligand. (Grad. Sch. Eng., Osaka Univ.; JST ACT-C) AMAYA, Toru; KATOH, Shun; HIRAO, Toshikazu
- 4A5-10** Synthesis of a Buckybowl Framework having Partial Structure of C70 through the Ring Expansion Reaction from Sumanene (IMS) OKABE, Yuki; HIGASHIBAYASHI, Shuhei; SAKURAI, Hidehiro
- 4A5-11**# Synthesis and Properties of Hydroxysumanene (IMS) NGAMSOPRASERT, Niti; HIGASHIBAYASHI, Shuhei; SAKURAI, Hidehiro; SHRESTHA, Binod babu

Chair: HIGASHIBAYASHI, Shuhei (11 : 00~11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(4A5-13, 4A5-14, 4A5-15, 4A5-16)
- 4A5-13** Cross-Coupling Reaction of Gold(I) Complex Coordinated by (Nitronyl Nitroxide)-2-ide Radical Anion with Aryl Halide (Grad. Sch. Sci., Osaka City Univ.) TANIMOTO, Ryu; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKODA, Keiji

- 4A5-14** Synthesis and Properties of a Trioxotriphenylamine Derivative Substituted by Three Nitronyl Nitroxide Radicals (Grad. Sch. Sci., Osaka City Univ.) OMUKAI, Kosuke; TANIMOTO, Ryu; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji
- 4A5-15** Construction of Novel Proton-Electron Mediator Toward the Realization of a Stable Hydrogen Atom Trapping (Grad. Sch. Sci., Osaka Univ.) TERAOKA, Mitsuru; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KUBO, Takashi
- 4A5-16*** Solvent-assisted switching of the π -electronic structure (Coll. Sci. Eng., Aoyama Gakuin Univ.) YAMASHITA, Hiroaki; ABE, Jiro

Chair: HAMURA, Toshiyuki (12 : 00~12 : 50)

- * 11:50-12:00: interval for laptop PC connection.(4A5-19, 4A5-20, 4A5-21, 4A5-22)
- 4A5-19** Synthesis, Properties, and Self-assembling Behavior of π -Extended Thiadiazoloquinoxalines (Grad. Sch. Eng., Gunma Univ.) WATANABE, Keitaro; KATO, Satomi; UEHARA, Hiroki; YAMANOBÉ, Takeshi; KATO, Shin-ichiro; NAKAMURA, Yosuke
- 4A5-20** Synthesis of Novel Anion-Responsive π -Systems (Coll. Pharm. Sci., Ritsumeikan Univ.) MAEDA, Hiromitsu; TAMURA, Yuki
- 4A5-21** Synthesis of Pyrrole Derivatives That Form π -Conjugated Linkages (Coll. Pharm. Sci., Ritsumeikan Univ.) BANDO, Yuya; MAEDA, Hiromitsu
- 4A5-22*** Synthesis and supramolecular assemblies of N-H based maleimide fused [5]-helicene for host-guest molecular organization (Fac. Sci. Tech., Keio Univ.) SAKAI, Hayato; HASOBE, Taku

Sunday, March 30, PM

Boron

Chair: HATAKEYAMA, Takuji (14 : 10~15 : 00)

- * 14:00-14:10: interval for laptop PC connection.(4A5-32, 4A5-34, 4A5-35, 4A5-36)
- 4A5-32*** Lewis Acidity and Photophysical Properties of Boron-Containing Polycyclic π -Conjugated Systems (Nagoya Univ. WPI-ITbM; Grad. Sch. Sci., Nagoya Univ.; JST CREST; JST-PRESTO) MATSUO, Kyohei; SAITO, Shohei; YAMAGUCHI, Shigehiro
- 4A5-34** synthesis, structure, and photophysical property of halogeno-substituted 9-aza-10-boraanthracene (Grad. Sch. Sci. Eng., Chuo Univ.) NEMA, Shin-ya; SUZUKI, Katsunori; YAMASHITA, Makoto
- 4A5-35** Synthesis and optical properties of 4, 7-dithienyl substituted 2-arylbenzodiazaborole derivatives (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SHUN, Hiyama; YOSHIRO, Yamashita; JUN-ICHI, Nishida
- 4A5-36** Control of the Mechanochromism Properties of Organoboron Compounds by Halogenation (Grad. Sch. Eng., Kyoto Univ.) SUENAGA, Kazumasa; YOSHII, Ryosuke; TANAKA, Kazuo; CHUJO, Yoshiki

Chair: SUZUKI, Katsunori (15 : 10~16 : 00)

- * 15:00-15:10: interval for laptop PC connection.(4A5-38, 4A5-39, 4A5-40, 4A5-41, 4A5-42)
- 4A5-38** Synthesis and Physical Properties of B-fused Phenoxaborine and Phenazaborine Analogs (Sch. Sci. Tech., Kwansei Gakuin Univ.; PRESTO, JST) NAKAJIMA, Kiichi; HATAKEYAMA, Takuji
- 4A5-39** Synthesis and Physical Properties of B-fused Benzophenoxaborine Analogs (Sch. Sci. Tech., Kwansei Gakuin Univ.; PRESTO, JST) HIRAI, Hiroki; HATAKEYAMA, Takuji
- 4A5-40** Synthesis and Physical Properties of P-fused Phenoxaphosphine Analogs (Sch. Sci. Tech., Kwansei Gakuin Univ.; PRESTO, JST) NAKATSUKA, Soichiro; HATAKEYAMA, Takuji
- 4A5-41** Synthesis of boron-dibenzopyrromethene dye-cored thiophene dendrimers (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) SUDA, Yuki; ISOZAKI, Ayumi; NISHIYABU, Ryuei; KUBO, Yuji
- 4A5-42** Synthesis of butterfly-shaped boron-dibenzopyrromethene dye for the use as DSSC (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) MATSUMOTO, Asaki; EGUCHI, Daichi; NISHIYABU, Ryuei; YAKUSHIJI, Hidenori; SHIGAKI, Koichiro; KANEKO, Masayoshi; KUBO, Yuji

Chair: KUBO, Yuji (16 : 10~17 : 00)

- * 16:00-16:10: interval for laptop PC connection.(4A5-44, 4A5-45, 4A5-46, 4A5-47, 4A5-48)
- 4A5-44** Synthesis and Physical Properties of Boranaphthoperylene Analogs (Sch. Sci. Tech., Kwansei Gakuin Univ.; PRESTO, JST) MIYAMOTO, Fumiya; HATAKEYAMA, Takuji
- 4A5-45** Lewis Acidic Behavior of a Honeycomb Shaped π -Conjugated System with Two Boron Atoms at Its Center (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; JST CREST; JST-PRESTO) OSUMI, Shinichiro; DOU, Chuandong; MATSUO, Kyohei; SAITO, Shohei; YAMAGUCHI, Shigehiro
- 4A5-46** Optical properties of benzodiazaborole derivatives having an electron-accepting aryl group at the 2-position (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) HORI, Isao; NAGAYAMA, Yu-ki; NISHIDA, Jun-ichi; YAMASHITA, Yoshiro
- 4A5-47** Synthesis of Cyclobutadiene bearing Boryl and Amino Groups (Fac.

Sci. Eng., Chuo Univ.) ONUMA, Kaoru; SUZUKI, Katsunori; YAMASHITA, Makoto

4A5-48 Synthesis and Properties of Boron Bridged Tetrathiafulvalene Derivative (Grad. Sch. Sci., Kitasato Univ.) SHIRAI, Masaki; HASEGAWA, Masashi; MAZAKI, Yasuhiro

Room A6

School of Agricultural Sciences - Lecture Building & Building B

Physical Organic Chemistry -Structures and Properties-

Thursday, March 27, AM

Organic Radical and Molecular Magnet

Chair: YAMAGUCHI, Shigehiro (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1A6-01, 1A6-02, 1A6-03, 1A6-04, 1A6-05, 1A6-06)

1A6-01 Modification and properties of benzotriazinyl radicals by organometallic reaction (Grad. Sch. Sci. Tech., Keio Univ.) TAKAHASHI, Yusuke; MIURA, Youhei; YOSHIOKA, Naoki

1A6-02 Crystal structure and properties of diacetylene derivatives with a verdazyl radical unit. (Grad. Sch. Sci. Tech., Keio Univ.) SHIMAJI, Takuro; MIURA, Youhei; YOSHIOKA, Naoki

1A6-03 Synthesis of Nitronyl Nitroxide Derivatives with Deuterated Methyl Groups and their ESR spectra (Grad. Sch. Sci. Tech., Keio Univ.) EMURA, Yoichiro; TAKASAKI, Marie; SUGAWARA, Hiromasa; MAEDA, Chihiro; MIURA, Yohei; YOSHIOKA, Naoki

1A6-04 Crystal polymorphism and magnetic properties of chromium(V) nitride complex of chlorosalicylideneaminato ligand (Fac. Sci. Tech., Keio Univ.) NAKAGOME, Shin; TAKAHASHI, Yusuke; MIURA, Youhei; YOSHIOKA, Naoki

1A6-05 Preparation of Amioxyl Ligand Having Planner Structure and Magnetic Properties of Their Metal Complexes (Grad. Sch. Pharm., Kyushu Univ.) OGAWA, Hiraku; KARASAWA, Satoru; KOGA, Noboru

1A6-06 Synthesis and Properties of Platinum Complexes Coordinated by Tridentate Ligand Having Two Verdazyl Radicals. (Grad. Sch. Sci., Osaka City Univ.) YOKOI, Hiroyuki; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji

Chair: YOSHIOKA, Naoki (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1A6-08, 1A6-09, 1A6-10, 1A6-11, 1A6-12, 1A6-13)

1A6-08 Excited-State Dynamics of Pentacene Derivatives Having Stable Radical Substituents (Grad. Sch. Sci., Osaka City Univ.; OCARINA) SHIMIZU, Akihiro; KISHIDA, Noriaki; ITO, Akitaka; KOSUMI, Daisuke; HASHIMOTO, Hideki; TEKI, Yoshio

1A6-09 Structure and Photophysical Properties of a Trityl Radical Stabilized with a Planar Framework Containing a Boron Atom (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.) SHIRAI, Shusuke; KUSHIDA, Tomokatsu; YAMAGUCHI, Shigehiro

1A6-10 Synthesis of Novel Naphthoxyl Radicals for the Electron Transfer through a Hydrogen Bond (Grad. Sch. Sci., Osaka Univ.) MARUTANI, Miki; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KURATA, Hiroyuki; KUBO, Takashi

1A6-11[#] Syntheses and properties of fluorenyl-based hydrocarbon radicals (Grad. Sch. Sci., Osaka Univ.) TIAN, Ti; KURATA, Hiroyuki; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi

1A6-12 novel two biradical molecules consisting of nitrogen substituted polyaromatic hydrocarbon skeletons and the electronic and magnetic properties of these molecules (Sch. Eng., Osaka Univ.) KOBASHI, Toshiyuki; SAKAMAKI, Daisuke; SEKI, Syuuhei

1A6-13 Mixed-Valence Molecular Crystals: 1-D stacks Composed of Neutral Radical and Anion and Their Physical Properties (Grad. Sch. Sci., Osaka Univ.) YAMADA, Chiaki; MURATA, Tsuyoshi; MORITA, Yasushi

Chair: TEKI, Yoshio (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1A6-15, 1A6-16, 1A6-17, 1A6-18, 1A6-19, 1A6-20)

1A6-15 Synthesis and intramolecular spin alignment of spiro-based Nitroxide radicals with hetero atom as a center atom (Grad. Sch. Sci. Tech., Keio Univ.) WATANABE, Taku; SUZUKI, Ryota; MIURA, Youhei; YOSHIOKA, Naoki

1A6-16 Study on tri-nitroxide radicals having polycyclic aromatic bridges (The Univ. of Electro-Communications Department of Engineering Science) NOZAWA, Akira; ISHIDA, Takayuki

1A6-17 Molecular assembly and FET properties of the arylmethyl-substituted phosphorus heterocyclic biradicals. (Grad. Sch. Sci., Eng., Tokyo Tech) TORIHATA, Yushi; MIKAMI, Koichi; ITO, Shigekazu

1A6-18 Preparation and characterization of a polymacrocyclic arylamine containing localized spins (Grad. Sch. Eng., Kyoto Univ.) KURATA, Ryohei; SAKAMAKI, Daisuke; ITO, Akihiro; TANAKA, Kazuyoshi

1A6-19 Investigation of Fabrication Conditions for Molecular Spin Battery Using Bromo-Substituted Trioxotriangulene Derivative (Grad. Sch. Sci., Osaka Univ.; JST CREST) NOBUKUNI, Hirofumi; ASAKURA, Noriaki; MORITA, Yasushi

1A6-20 Investigation of Fabrication Conditions for Molecular Spin Battery Using Chloro-Substituted Trioxotriangulene Derivative (Grad. Sch. Sci., Osaka Univ.; JST CREST) ASAKURA, Noriaki; NOBUKUNI, Hirofumi; MORITA, Yasushi

Thursday, March 27, PM

Chair: SUZUKI, Shuichi (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1A6-28, 1A6-30, 1A6-32)

1A6-28* Molecular Structures and Magnetic Properties of Heterospin Ln(III) Complexes Bridging with Photo-responsive Ligand (Grad. Sch. Pharm., Kyushu Univ.) MURASHIMA, Kensuke; KARASAWA, Satoru; KOGA, Noboru

1A6-30* Theoretical Investigation of the Efficiency of the Electron Tunneling of the π -Conjugated Molecular Wire by Evaluating Exchange Interaction between Organic Radicals. (Grad. Sch. Eng., Kyoto Univ.; CRC, Hokkaido Univ.) NISHIZAWA, Shohei; HASEGAWA, Jun-ya; MATSUDA, Kenji

1A6-32* Frontier Orbital Control of Switching of Diarylethene (Cornell University Department of Chemistry and Chemical Biology) TSUJI, Yuta; HOFFMANN, Roald

Organic Semiconductor

Chair: MATSUDA, Kenji (17 : 00~17 : 30)

* 16:50-17:00: interval for laptop PC connection.(1A6-49)

1A6-49 CSJ Award for Young Chemists Development of Highly Functional Electronics Devices Utilizing Self-Organization of Organic Semiconducting Molecules (Kyushu Univ. Graduate School of Engineering; Kyushu Univ. OPERA; Kyushu Univ. I2CNER; JST-PRESTO) YASUDA, Takuma

Chair: UEDA, Kazumasa (17 : 40~18 : 50)

* 17:30-17:40: interval for laptop PC connection.(1A6-53, 1A6-55, 1A6-56, 1A6-57, 1A6-59)

1A6-53* Increased FET mobility by post anneal - phenyl BTBT derivative - (Tokyo Tech Imaging Sci. & Eng. Lab.) IINO, Hiroaki; USUI, Takayuki; HANNA, Jun-ichi

1A6-55 The Effect of Substitution Position for the Conductance in Diarylethene-Gold Nanoparticle Networks (Grad. Sch. Eng., Kyoto Univ.; JST-PRESTO) MATSUI, Kentarou; HIGASHIGUCHI, Kenji; MATSUDA, Kenji

1A6-56 Thermal Processing and Film Formability of N-Boc-Pyrrole Derivatives for Organic Semiconductors (Nagoya Inst. of Tech. Materials Science and Engineering) IMAEDA, Yuta; TOMURA, Masaaki; ONO, Katsuhiko

1A6-57* Design and Electronic Property of Organic Semiconductors Based on Phthalocyaninato-Polysiloxane (1): Toward Segregated Stacking of Electron Donor and Acceptor π -systems (Grad. Sch. Eng., Osaka Univ.) SAKURAI, Tsuneaki; YONEDA, Satoru; NAKAYAMA, Toru; SAEKI, Akinori; SEKI, Shu

1A6-59 Design and Electronic Property of Organic Semiconductors Based on Phthalocyaninato-Polysiloxane (2): Novel Brush-Shaped Polymers with Hole and Electron Transporting Pathways (Grad. Sch. Eng., Osaka Univ.) YONEDA, Satoru; SAKURAI, Tsuneaki; SAEKI, Akinori; SEKI, Shu

Friday, March 28, AM

Supramolecule

Chair: SUZAKI, Yuji (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2A6-01, 2A6-02, 2A6-03, 2A6-04, 2A6-05, 2A6-06)

2A6-01 Synthesis of Oxygen-functionalized Cycloparaphenylene Derivatives (ICR, Kyoto Univ.) OHNISHI, Hiroaki; IWAMOTO, Takahiro; KAYAHARA, Eiichi; YAMAGO, Shigeru

2A6-02 Synthesis of sugar-appended functional molecules by oxime-click reaction and their properties (ISIT Nanotechnology Laboratory) YOSHIHARA, Daisuke; NOGUCHI, Takao; TSUCHIYA, Youichi; SHINKAI, Seiji

2A6-03 Functionalization of Pillar[5]arenes by Click Reaction (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) SAKAKIBARA, Fumiyasu; OGOSHI, Tomoki; YAMAGISHI, Tada-aki

2A6-04 Synthesis of insulated π -conjugated molecular wire containing metals on or in the wire (Grad. Sch. Eng., Kyoto Univ.) HOSOMI, Takuro; MASAI, Hiroshi; TERAOKA, Jun; FUJIHARA, Tetsuaki; TSUJI, Yasushi

2A6-05 Synthesis of Heterocyclic SPM-Copper Complex and Its Catalytic Activity (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) SHIMA, Daisuke; SHIGETO, Atsushi; YAMASAKI, Ryu; MUTOH, Yuichiro; KASAMA, Takeshi; SAITO, Shinichi

2A6-06 Reaction of introverted and extroverted allyl silanes with meta-chloroperbenzoic acid. (Ryukoku Univ. Science and Technology) OHASHI, Kazuhiro; ITO, Kouhei; IWASAWA, Tetsuo

Chair: SHIMIZU., Soji (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2A6-08, 2A6-09, 2A6-11, 2A6-12, 2A6-13)

2A6-08 Synthesis and Self-Aggregation of Zinc 3¹-N-Alkylamino-Chlorins (Ryukoku Univ.; Ritsumeikan Univ.) MIYATAKE, Tomohiro; MASUDA, Yohei; TAMIAKI, Hitoshi

2A6-09[#] A Bis(2-hydroxyphenyl)pyrimidine-bridged Multiple Molecular Spur Gears: Synthesis and Dynamic Motions. (Chem. Res. Lab., Tokyo Tech) TSUCHIDO, Yoshitaka; SUZAKI, Yuji; OSAKADA, Kohtarō

2A6-11 The synthesis of a water-soluble cyclic porphyrin dimer to encapsulate molecules using various interaction and its inclusion ability (Grad. Sch. Eng., Kyoto Univ.) CHIBA, Yusuke; TERAOKA, Jun; FUJIHARA, Tetsuaki; TSUJI, Yasushi

2A6-12 Multi-Interlocked Phthalocyanine in a Porphyrin Cage (Grad. Sch. Sci., Nagoya Univ.) ITOH, Ryohei; YAMADA, Yasuyuki; OGINO, Sayaka; TANAKA, Kentarō

2A6-13 Synthesis of Capsule-shaped Molecule by Self-assembly of Propeller-type Molecule Having a Phosphorus Atom (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SAITO, Tsuyoshi; YAMAMURA, Masaki; NABESHIMA, Tatsuya

Chair: DANJO, Hiroshi (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2A6-15, 2A6-16, 2A6-17, 2A6-18, 2A6-19, 2A6-20)

2A6-15 Tape-shaped Amphiphilic Anthracene Tetramers: Stereo Regulation, Capsule Formation, and Molecular Recognition (Chem. Res. Lab., Tokyo Tech) SUZUKI, Akira; SEI, Yoshihisa; YOSHIZAWA, Michito; AKITA, Munetaka

2A6-16 A Triply-branched Amphiphilic Anthracene Trimer: Self-assembly, Encapsulation, and Spectroscopic Properties. (Chem. Res. Lab., Tokyo Tech) KAMIYAMA, Miho; SUZUKI, Akira; YOSHIZAWA, Mchito; AKITA, Munetaka

2A6-17 Self-Assembly of Arylazo-Calixarene and Pyridyl-Cavitand into a Hydrogen-Bonded Hetero-Capsule (Shizuoka Univ. Grad. Sch. Sci.) OHASHI, Toshifumi; KOBAYASHI, Kenji

2A6-18 Self-Assembly of a Dumbbell-Type of Cavitands into a Hydrogen-Bonded Supramolecular Capsule Architecture (Shizuoka Univ. Grad. Sch. Sci.; Grad. Sch. Eng., Nagoya Univ.) KISHIMOTO, Kazuki; KAJIHARA, Takanori; TAKANO, Atsushi; KINOSHITA, Keita; YAMANAKA, Masamichi; MATSUSHITA, Yushu; KOBAYASHI, Kenji

2A6-19 Self-Assembly of Resorcinol-Porphyrin and Pyridylethynyl-Cavitand into a Hydrogen-Bonded Supramolecular Capsule (Shizuoka Univ. Grad. Sch. Sci.) KISHIMOTO, Kazuki; KOBAYASHI, Kenji

2A6-20 Coordination-Driven Self-Assembly of Supramolecular Capsule Based on Resorcinarene Possessing Bipyridine Units (Grad. Sch. Sci., Hiroshima Univ.) IMAMURA, Taisuke; SEKIYA, Ryo; HAINO, Takeharu

Friday, March 28, PM

Chair: SATO, Sota (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2A6-28, 2A6-29, 2A6-30, 2A6-31, 2A6-32, 2A6-33)

2A6-28 π -Cavity of Fluorescent Pincer-shaped Motifs (Grad. Sch. Eng., The Univ. of Tokyo) SHIBUYA, Yoshiki; ITOH, Yoshimitsu; AIDA, Takuzo

2A6-29 Self-Assembly of Calixarene Based on Dynamic Boronic Ester Bonds (Shizuoka Univ. Grad. Sch. Sci.) OISHI, Ayumi; TAMAKI, Kento; KOBAYASHI, Kenji

2A6-30 Self-Assembled Expanded Cavitand Capsule Based on Dynamic Boronic Ester Bonds (Shizuoka Univ. Grad. Sch. Sci.) TAMAKI, Kento; KOBAYASHI, Kenji

2A6-31 Multilayered Spiroborate Nanocycles: Preparation and Evaluation of Their Molecule Recognition Ability (Konan Univ.; Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) KIDENA, Yuki; NOGAMINE, Ayumi; DANJO, Hiroshi; MIYAZAWA, Toshifumi

2A6-32 Preparation of Peapod Nanotubes by the Use of Spiroborate Molecular Connecting Modules (Konan Univ.; ISIR, Osaka Univ.) MURAKI, Yusuke; MORII, Akio; TAKESUMI, Hayato; DANJO, Hiroshi; SUDO, Koichi; NAITO, Muneyuki; MIYAZAWA, Toshifumi

2A6-33 Development of a Regioselective [3+2] Cycloaddition of Alkyne and Nitrile Oxide Using Self-assembled Macroyclic Boronic Esters as a Nanoscale Vessel (Grad. Sch. Sci., Eng., Tokyo Tech) KIKUCHI, Yuji; ONO, Kosuke; IWASAWA, Nobuharu

Chair: IKEDA, Toshiaki (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2A6-35, 2A6-36, 2A6-37, 2A6-39, 2A6-40)

2A6-35 Unique Catalytic Activity of Macroyclic Boronic Ester Containing Crown Ether Moieties (Grad. Sch. Sci., Eng., Tokyo Tech; JST CREST) NIIBE, Morikazu; KIKUCHI, Yuji; ONO, Kosuke; IWASAWA, Nobuharu

2A6-36 An experimental approach to reveal the mechanism of the formation of a self-assembled metallo-capsule (1): Rate-determining step in the self-

assembly (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TSUJIMOTO, Yuya; KOJIMA, Tatsuo; HIRAOKA, Shuichi

2A6-37* An experimental approach to reveal the mechanism of the formation of a self-assembled metallo-capsule (2): The formation mechanism of the self-assembly (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TSUJIMOTO, Yuya; HIRAOKA, Shuichi

2A6-39 Chirality Induction in Coordination Nanotube by Chiral Anion (Grad. Sch. Eng., The Univ. of Tokyo) YAMAGISHI, Hiroshi; FUKINO, Takahiro; AIDA, Takuzo

2A6-40 Size-selective Self-sorting in Coordination Nanotubular Assembly (Grad. Sch. Eng., The Univ. of Tokyo) OBANA, Maiko; FUKINO, Takahiro; AIDA, Takuzo

Chair: ONO, Kosuke (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(2A6-42, 2A6-43, 2A6-44, 2A6-45, 2A6-47)

2A6-42 Construction of Expanded Self-Assembled Spherical Complexes by Ligand Elongation (Grad. Sch. Eng., The Univ. of Tokyo) UEDA, Yoshihiro; YOKOYAMA, Hiroyuki; FUJITA, Daishi; SATO, Sota; FUJITA, Makoto

2A6-43 Observation of the Kinetic Self-Assembly Process of a M₁₂L₂₄ Spherical Complex (Grad. Sch. Eng., The Univ. of Tokyo) YOKOYAMA, Hiroyuki; UEDA, Yoshihiro; SATO, Sota; FUJITA, Makoto

2A6-44 Mathematical Control in the Self-assembly of M₆L_{2n} Complexes (Grad. Sch. Eng., The Univ. of Tokyo) NUMATA, Eri; UEDA, Yoshihiro; SATO, Sota; FUJITA, Makoto

2A6-45[#] Supramolecular Corannulene Fiber (RIKEN CEMS) MIYAJIMA, Daigo; KANG, Jiheong; AIDA, Takuzo

2A6-47 Softening of the Hydrogen-bonded Supramolecular Assemblies of Perylene Bisimide by the Introduction of Ethylene Glycol Chains (Fac. Eng., Chiba Univ.) YAGAI, Shiki; FUKUDA, Ippei; KARATSU, Takashi; KITAMURA, Akihide

Chair: OKURO, Kou (17 : 00~17 : 30)

* 16:50-17:00: interval for laptop PC connection.(2A6-49, 2A6-50, 2A6-51)

2A6-49 Self-assembly of C₃ symmetrical tris-urea with triarylamine scaffold (Grad. Sch. Sci., Shizuoka Univ.) SHIMAZU, Hideo; YAMANAKA, Masamichi

2A6-50 Synthesis of the supramolecular-polymer type template of metal arrangement by using dendric polyphenylazomethines (Chem. Res. Lab., Tokyo Tech) HIRABAYASHI, Yuki; OTAKE, Masaya; ALBRECHT, Ken; YAMAMOTO, Kimihisa

2A6-51 Development of Metal-mediated Molecular Clutch based on Light- and Thermal-induced Isomerization (Grad. Sch. Sci., The Univ. of Tokyo) YASUDA, Yoshihiro; UBE, Hitoshi; SHIONOYA, Mitsuhiko

Saturday, March 29, AM

Chair: NAKAZONO, Kazuko (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3A6-01, 3A6-02, 3A6-04, 3A6-06)

3A6-01 Synthesis of Mechanically Interlocked Molecules By Slipping Method in Liquid Pillar[5]arene (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) TAMURA, Yuko; AOKI, Takamichi; OGOSHI, Tomoki; YAMAGISHI, Tada-aki

3A6-02[#] Synthesis of the [3]Rotaxanes Utilizing the Catalytic Activity of the Macrocyclic Phenanthroline-Cu Complex (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) YAMASHITA, Yoshiaki; MUTOH, Yuichiro; YAMASAKI, Ryu; KASAMA, Takeshi; SAITO, Shinichi

3A6-04* Synthesis of Rotacatenanes and [3]Rotaxanes by the Combination of Oxidative Coupling of Alkyne and Metal-template Method (Fac. Sci., Tokyo Univ. of Sci.) HAYASHI, Ryuto; ORIKASA, Tomoko; WAKATSUKI, Kota; YAMASAKI, Ryu; MUTOH, Yuichiro; KASAMA, Takeshi; SAITO, Shinichi

3A6-06 Development of a Synthetic Method for Optically Pure Rotaxanes Possessing Rotaxane-Specific Chirality Based on a Prerotaxane Method (Grad. Sch. Eng. Sci., Osaka Univ.) HIROSE, Keiji; TSUDA, Kyosuke; FURUTANI, Hajime; HINOHARA, Yuko; TOBE, Yoshito

Chair: HIROSE, Keiji (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3A6-08, 3A6-09, 3A6-10, 3A6-12)

3A6-08 Synthetic Study of Rotaxanes Having a Tetraazacyclophane skeleton as a Wheel Component (Grad. Sch. Sci., Eng., Tokyo Tech) KUZUME, Michiko; NAKAZONO, Kazuko; TAKATA, Toshikazu

3A6-09 Helical structure control of poly(phenylacetylene) having chiral rotaxane switch in the side chain (Grad. Sch. Sci., Eng., Tokyo Tech) MATSUURA, Kazuki; ISHIWARI, Fumitaka; NAKAZONO, Kazuko; TAKATA, Toshikazu

3A6-10* Control of Helical Conformation Using An Optically Active Rotaxane Switch (Grad. Sch. Sci., Eng., Tokyo Tech) SUZUKI, Sakiko; NAKAZONO, Kazuko; TAKATA, Toshikazu

3A6-12* Preparation of rotaxane by the acylation of transient pseudorotaxane consisting of crown ether and amine (Grad. Sch. Fac. Sci., Kanagawa Univ.) NISHIYAMA, Junya; KIHARA, Nobuhiro

Chair: OGOSHI, Tomoki (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3A6-15, 3A6-16, 3A6-17, 3A6-18, 3A6-20)
- 3A6-15** Effect of Length and Flexibility of Axle Components on Shuttling Dynamics in [2]Rotaxane Molecular Shuttles (Grad. Sch. Eng. Sci., Osaka Univ.) HIROSE, Keiji; KANO, Ryohei; YOUNG, Philip G.; TOBE, Yoshito
- 3A6-16** Construction of imine-bridged rotaxanes with a fluorescent axle molecule and their switching properties (Fac. Sci., Tokyo Univ. of Sci.) TAMAHASHI, Kazuma; SEIKI, Noriya; SUGINO, Hiroyoshi; FUJIWARA, Kenshu; SUZUKI, Takanori; KAWAI, Hidetoshi
- 3A6-17** Synthesis and Molecular Recognition Ability of Polythiophene containing C₂-Chiral Spirobifluorene Units in The Main Chain (Grad. Sch. Sci., Eng., Tokyo Tech) OKUDA, Hitoshi; SOGAWA, Hiromitsu; UCHIDA, Satoshi; TAKATA, Toshikazu
- 3A6-18*** Synthesis and Secondary Structures of Amino Acid-derived Poly(m-phenyleneethynylene-aryleneethynylene)s Bearing Hydroxy Groups (Grad. Sch. Sci., Eng., Tokyo Tech) SOGAWA, Hiromitsu; SANDA, Fumio; TAKATA, Toshikazu
- 3A6-20** Preparation of New Cyclodextrin Organogels and their Application to Optical Resolution (Sch. Eng., Osaka Univ.) TERAGAKI, Ayumi; KIDA, Toshiyuki; AKASHI, Mitsuru

Saturday, March 29, PM

Chair: GOTO, Kenta (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3A6-28, 3A6-29, 3A6-30, 3A6-32, 3A6-33)
- 3A6-28** Design of dynamic helicity based on terephthalamide macrocycles (1): Chirality sensing by a bis(terephthalamide) host with a doubly-helical structure (Hokkaido Univ. Department of Chemistry, Faculty of Science) KATOONO, Ryo; KAWAI, Shunsuke; KUSAKA, Keiichi; FUJIWARA, Kenshu; SUZUKI, Takanori
- 3A6-29** Design of dynamic helicity based on terephthalamide macrocycles (2): Stereospecific chiroptical signaling by tris(terephthalamide) hosts through molecular folding (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KATOONO, Ryo; TANAKA, Yuki; FUJIWARA, Kenshu; SUZUKI, Takanori
- 3A6-30*** Chirality sensing based on dynamic helicity presented by terephthalamides with a trilayered structure (Hokkaido Univ. Department of Chemistry, Faculty of Science) KATOONO, Ryo; FUJIWARA, Kenshu; SUZUKI, Takanori
- 3A6-32** Achiral Guest-Induced Chiroptical Changes of Planar-Chiral Pillar[5]arene Containing One π -Conjugated Unit (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) OGOSHI, Tomoki; YAMAFUJI, Daiki; AKUTSU, Tomohiro; YAMAGISHI, Tada-aki
- 3A6-33** Guest-Binding Ability of a Double-Stranded Boron Helicate Bearing a Bisporphyrin Unit and its Deracemization Reaction (Grad. Sch. Eng., Nagoya Univ.) YAMAMOTO, Shinya; IIDA, Hiroki; YASHIMA, Eiji

Chair: HARANO, Koji (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3A6-35, 3A6-37, 3A6-38, 3A6-39)
- 3A6-35*** Formation of Shortest Metallofullerene-peapod between cycloparaphenylene and La@C82 (ICR, Kyoto Univ.) IWAMOTO, Takahiro; SLANINA, Zdenek; GUO, Jingdong; MIZOROGI, Naomi; AKASAKA, Takeshi; KATOU, Tatshuhisa; NAGASE, Shigeru; TAKAYA, Hikaru; YASUDA, Nobuhiro; YAMAGO, Shigeru
- 3A6-37** A route towards the synthesis of molecular nanotubes using pyromelic diimide-based cyclophanes as the structural unit (IMCE, Kyushu Univ.) HALIM, Md. ershad; TAO, Keisuke; GOTO, Kenta; SHINMYOZU, Teruo
- 3A6-38** Synthesis and properties of amphiphilic cyclodextrin-fullerene complexes (Grad. Sch. Eng., Kyoto Univ.) MIKI, Koji; KANEKO, Kaho; ZHANG, Zi dan; MURATA, Yasujiro; OHE, Kouichi
- 3A6-39*** Construction of [4+4] Macrocylic Metal Complex Composed of Carbazole with Two β -Diketone Ligands toward Anion Recognition (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.; JST CREST) NISHINO, Toshio; YAMADA, Yasuyuki; TANAKA, Kentaro

Chair: MIKI, Koji (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3A6-42, 3A6-44, 3A6-46, 3A6-47)
- 3A6-42*** Synthesis of an optically active foldamer linked by an achiral salen tether and its application (Nagoya Univ. VBL) OUSAKA, Naoki; YAMAGUCHI, Tomoko; YASHIMA, Eiji
- 3A6-44*** Synthesis of complementary double helices bearing platinum(II) complexes and control of their helical senses (Grad. Sch. Eng., Nagoya Univ.) HORIE, Miki; TAURA, Daisuke; YASHIMA, Eiji
- 3A6-46** Structural Analysis of a Chiral Tripodal Tricarboxylic Acid Dimer (Grad. Sch. Sci., Shizuoka Univ.) OWAKI, Masaki; MINODANI, Shoichi; YAMANAKA, Masamichi
- 3A6-47** synthesis and phase behavior of prochiral plastic crystal (Grad. Sch. Eng., Kyushu Univ.) MATSUKI, Masaya; YAMADA, Teppi; KIMIZUKA, Nobuo

Chair: KAWANO, Shin-ichiro (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(3A6-49, 3A6-51, 3A6-52, 3A6-53, 3A6-54)
- 3A6-49*** Extraction of Pd(II) ions with dimethyl(thiocarbamoyl) modified thiacalix[n]arenes (Fac. Eng. Resource Sci., Akita Univ.) MUNIYAPPAN, Rajiv Gandhi; YAMADA, Manabu; KONDO, Yoshihiko; HAMADA, Fumio
- 3A6-51** Formation of Pentacenequinone Dimer by Sandwich Complexation with Alkali Metal Ions (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Coll. Sci. Eng., Kanazawa Univ.) TAKATSUKI, Yuri; AKINE, Shigehisa; NABESHIMA, Tatsuya
- 3A6-52** Synthesis of Mono-, Di-, Tetrathia[24]crown-8-ethers and Their Inclusion Complexes with Organic and Inorganic Cations. (Chem. Res. Lab., Tokyo Tech) NAGAI, Hiroyuki; SUZAKI, Yuji; OSAKADA, Kohtarō
- 3A6-53** Self-assembling fluoruous nanochannels in bilayer membrane and their water transport property (Grad. Sch. Eng., The Univ. of Tokyo) KONDA, Takeshi; SATO, Kohei; ITOH, Yoshimitsu; AIDA, Takuzo
- 3A6-54** Inside Molecular Recognition-Triggered Aggregation of Tripyridinium Macrocylic Host Molecules (Grad. Sch. Pharm. Sci., Univ. of Toyama) SUZUKI, Daiki; OHTANI, Kohei; ABE, Hajime; INOUE, Masahiko

Chair: YOUSUKE, Takaoka (18 : 10~18 : 30)

- * 18:00-18:10: interval for laptop PC connection.(3A6-56, 3A6-57)
- 3A6-56** Pyrophosphate sensing by a supramolecular sensor array (Urban Environmental Sci., Tokyo Metropolitan Univ.) SAKAGUCHI, Takanori; MINAMI, Tsuyoshi; ESIPENKO, Nina; NISHIYABU, Ryyuhei; KUBO, Yuji; ANZENBACHER JR, Pavel
- 3A6-57** Fluorescence Discrimination of Nucleotide using polythiophene/cholesterol complex (ISIT Nanotechnology Laboratory) TSUCHIYA, Youichi; SHINKAI, Seiji

Sunday, March 30, AM

Chair: SAKATA, Yoko (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4A6-01, 4A6-02, 4A6-03, 4A6-05, 4A6-06)
- 4A6-01** Additive Effect of Metal Cations for Ethynylpyridine Polymers Having Amphiphilic Chiral Amide Side Chains (Grad. Sch. Pharm. Sci., Univ. of Toyama) MAKIDA, Hiroki; ABE, Hajime; INOUE, Masahiko
- 4A6-02** Stabilization of the Helical Structure of Long-Chain Ethynylpyridine Oligomers Supported by Thermodynamic Imine Formation (Fac. Pharm. Sci., Univ. of Toyama) HIROKANE, Shu; TAKASHIMA, Shunsuke; ABE, Hajime; INOUE, Masahiko
- 4A6-03*** Development and Self-Association of Alternate Pyridine-Phenol Cooligomers with Multiple Hydrogen-Bonding Sites (Grad. Sch. Pharm. Sci., Univ. of Toyama) OHISHI, Yuki; ABE, Hajime; INOUE, Masahiko
- 4A6-05** Preparations of Amphiphilic TEMPO Radicals for MRI Probe and Their Self-assembly Behaviors in Water (Grad. Sch. Pharm., Kyushu Univ.) OKAMOTO, Yuna; SHIMADA, Takashi; KARASAWA, Satoru; KOGA, Noboru
- 4A6-06** Preparations of Amino Quinoline Fluorophores Carrying Amphiphilic Side Chains for Biological Fluorescence Imaging and Their Self-assembly Behaviors in Water (Grad. Sch. Pharm., Kyushu Univ.) SHIMADA, Takashi; KARASAWA, Satoru; KOGA, Noboru

Chair: ITOH, Yoshimitsu (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4A6-08, 4A6-09, 4A6-10, 4A6-11, 4A6-12, 4A6-13)
- 4A6-08** Study on syntheses of the organogelators consisting of the coumarin unit and their characterization as the gelators showing an emission. (KIT Department of Applied Chemistry) KITOU, Naoya; MORIGUCHI, Tetsuji; ARAKI, Koji; TSUGE, Akihiko
- 4A6-09** Gelation ability of an amphiphile tris-urea molecule with carboxy group (Grad. Sch. Sci., Shizuoka Univ.) FUKAZAWA, Taichiro; YANAI, Kazushige; YAMANAKA, Masamichi
- 4A6-10** Construction of Higher Ordered Molecular Assemblies through Self-Organizations of Amphiphilic Dipyritylbenzene Derivatives (Grad. Sch. Sci., Kobe Univ.) KIKKAWA, Ren; SAKATA, Yoko; TSUDA, Akihiko
- 4A6-11** Formation of Dimension-Controlled Assemblies Comprising π -Conjugated Ions (Coll. Pharm. Sci., Ritsumeikan Univ.) BANDO, Yuya; MAEDA, Hiromitsu
- 4A6-12** Synthesis of Pyrrole Derivatives That Form Assemblies by Further Modifications (Coll. Pharm. Sci., Ritsumeikan Univ.) MAEDA, Hiromitsu; YAMAGUCHI, Kenta
- 4A6-13** Synthesis of Cyclic π -Systems Arranged in Acute Angles (Coll. Pharm. Sci., Ritsumeikan Univ.) MAEDA, Hiromitsu; KAWASHITA, Kenji; AKUTA, Ryo

Chair: SUGIYASU, Kazunori (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4A6-15, 4A6-16, 4A6-18, 4A6-19, 4A6-20)
- 4A6-15** Formation of hydrogen-bonding networks composed of dodecaphenylporphyrin derivatives having carboxyl groups at the periphery (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KAJII, Hiroki; ISHIZUKA, Tomoya; SANKAR, Muniappan; YAMADA, Yusuke; FUKUZUMI, Shunichi;

KOJIMA, Takahiko

4A6-16* Construction and Characterization of Covalent and Non-covalent Bonded Assemblies of Diferrocenyl Complexes Using Boronic Acid Chemistry (Grad. Sch. Mat. Sci., NAIST) KEISHIRO, Tahara; TETSUHIRO, Akita; JUN-ICHI, Kikuchi

4A6-18 Self-assembling behavior of carbazole derivative possessing phenylisoxazolyl units (Grad. Sch. Sci., Hiroshima Univ.) IJIMA, Tatsuya; IKEDA, Toshiaki; SEKIYA, Ryo; HAINO, Takeharu

4A6-19 Synthesis and association behavior of molecular tweezers containing 1,9,10-anthridine moiety (Chem. Res. Lab., Tokyo Tech) KOIZUMI, Takeaki; TAKAHASHI, Terutaka; FUKUSHIMA, Takanori

4A6-20 Planar-chiral supramolecular polymer based on pillar[5]arene (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) FURUTA, Takuya; OGOSHI, Tomoki; YAMAGISHI, Tada-aki

Sunday, March 30, PM

Chair: TAKASHIMA, Yoshinori (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(4A6-28, 4A6-30, 4A6-31, 4A6-32, 4A6-33)

4A6-28* Supramolecular living polymerization realized through controlling a pathway complexity (NIMS Polymer Materials Unit) SUGIYASU, Kazunori; OGI, Soichiro; TAKEUCHI, Masayuki

4A6-30 Supramolecular block copolymer through complexation of tetrakisporphyrin and bistrinitrofluorenone derivative (Grad. Sch. Sci., Hiroshima Univ.) OI, Yoshinori; NADAMOTO, Kouhei; IKEDA, Toshiaki; HAINO, Takeharu

4A6-31 Supramolecular copolymerization of diarylethenes and perylene bisimides through hydrogen bonds. (Fac. Eng., Chiba Univ.) YAGAI, Shiki; SUZUKI, Tomoya; KARATSU, Takashi; KITAMURA, Akihide

4A6-32 Morphological transformation of amphiphilic aggregate triggered by intramolecular/intermolecular migration of long-chained alkylamine (Suzuka Nat. Coll. of Tech.) KYUUNO, Yuria; TAKAKURA, Katsuto

4A6-33 Phase Separation of Polymer Solution Induced by Chemical Transformation of Small Molecules (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) HAMANO, Yoshimi; AMEMORI, Shogo; KOKADO, Kenta; SADA, Kazuki

Chair: TAKEUCHI, Masayuki (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(4A6-35, 4A6-36, 4A6-38, 4A6-39, 4A6-40)

4A6-35 Discrete stacking of metal complexes with a tray-shaped Au₃ complex (Grad. Sch. Eng., The Univ. of Tokyo) OSUGA, Takafumi; MURASE, Takashi; FUJITA, Makoto

4A6-36** Self-Assembly of Boroxine Cages (Grad. Sch. Sci., Eng., Tokyo Tech; JST CREST) ONO, Kosuke; IWASAWA, Nobuharu

4A6-38 Photoinduced Formation of Surface-Relief Gratings in Azobenzene Supramolecular Polymer (Fac. Sci. Tech., Keio Univ.) HOU, Koukuei; ASAKURA, Kouichi; OKANO, Kumihiko

4A6-39 Photoresponsive supramolecular nano-structure based on tris(phenylisoxazolyl)benzene possessing azobenzene unit (Grad. Sch. Sci., Hiroshima Univ.) ADACHI, Hiroaki; HIRAI, Yuko; IKEDA, Toshiaki; HAINO, Takeharu

4A6-40 Photocontrols of the Nanostructure and Acoustic Alignment of an Azobenzene Supramolecular Assembly (Grad. Sch. Sci., Kobe Univ.) HOTTA, Yasuhisa; MOTONYANAGI, Jin; ONISHI, Hiroshi; SUIKO, Shunsuke; TSUDA, Akihiko

Chair: YUASA, Junpey (15 : 50~16 : 40)

* 15:40-15:50: interval for laptop PC connection.(4A6-42, 4A6-43, 4A6-44, 4A6-45, 4A6-46)

4A6-42 Synthesis and Photodimerization of *m*-Terphenyl-based Anthracene Derivatives (Grad. Sch. Eng., Nagoya Univ.) TANABE, Junki; AMANO, Keiji; TAURA, Daisuke; YASHIMA, Eiji

4A6-43 Development of New Dipyrrone-Based Photoresponsive Molecules (Grad. Sch. Sci., Kobe Univ.) FUKUSHIMA, Satomi; SAKATA, Yoko; TSUDA, Akihiko

4A6-44 Construction of a New Photoresponsive System Which Can Induce Polarity Switching (Grad. Sch. Sci., Kobe Univ.) SAKATA, Yoko; TSUDA, Akihiko

4A6-45 Aggregation induced enhancement of emission and circularly polarized luminescence of the helical assembly based on platinum complexes possessing phenylisoxazolyl units (1) (Grad. Sch. Sci., Hiroshima Univ.) TAKAYAMA, Midori; IKEDA, Toshiaki; HAINO, Takeharu

4A6-46 Aggregation induced enhancement of emission and circularly polarized luminescence of the helical assembly based on platinum complexes possessing phenylisoxazolyl units (2) (Grad. Sch. Sci., Hiroshima Univ.) TAKAYAMA, Midori; IKEDA, Toshiaki; HAINO, Takeharu

Room A7

School of Agricultural Sciences - Lecture Building & Building B

Physical Organic Chemistry -Structures and Properties-

Thursday, March 27, AM

Chair: AMAYA, Toru (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1A7-01, 1A7-02, 1A7-03, 1A7-04, 1A7-05, 1A7-06)

1A7-01 Synthesis and Properties of Difluoroboron Diketonate Dyes with Diphenylaminofluorene Moieties (Nagoya Inst. of Tech.) MIZUNO, Yosuke; ONO, Katsuhiko

1A7-02 Synthesis of Difluoroboron Ketoiminate Dyes Using Reactions of Difluoroboron Diketonates with Amines (Nagoya Inst. of Tech.) OSHIMA, Asami; ONO, Katsuhiko

1A7-03 Synthesis and Properties of Boron Complexes with Curcumin Moieties as Light-Harvesting Units (Nagoya Inst. of Tech.) TAKAO, Aya; ONO, Katsuhiko

1A7-04 Synthesis and Self-Assembly of Macrocyclic π -Conjugated Anthracene Derivative with Planar Conformation (Shizuoka Univ. Grad. Sch. Sci.; Chem. Res. Lab., Tokyo Tech) TAKAKI, Yuta; KAJITANI, Takashi; FUKUSHIMA, Takanori; KOBAYASHI, Kenji

1A7-05 Synthesis and Properties of 2,8- and 2,9-Functionalized Tetracene Derivatives (Shizuoka Univ. Grad. Sch. Sci.) UMEDA, Yuri; KOBAYASHI, Kenji

1A7-06 Synthesis and Optical Properties of Starburst-Type Molecules with Extended π -Conjugated Side Chains (Shizuoka Univ. Grad. Sch. Sci.) INOUE, Shota; TAKAKI, Yuta; KOBAYASHI, Kenji

Chair: NISHIUCHI, Tomohiko (10 : 10~11 : 00)

* 10:00-10:10: interval for laptop PC connection.(1A7-08, 1A7-09, 1A7-10, 1A7-12)

1A7-08 Synthesis of fullerene by laser irradiation to sumanene derivative (Grad. Sch. Eng., Osaka Univ.; JST ACT-C) AMAYA, Toru; OKIMOTO, Ryota; INADA, Yuh; HIRAO, Toshikazu

1A7-09 Laser-induced Graphitization of Non-planar π -Conjugated Molecules and In-situ Observation (Grad. Sch. Eng., Osaka Univ.; JST ACT-C) INADA, Yuh; AMAYA, Toru; HIRAO, Toshikazu

1A7-10* Construction and Properties of Chiral π -Conjugated Structures Based on the Planar Chiral Tetrasubstituted [2.2]Paracyclophane Framework (Grad. Sch. Eng., Kyoto Univ.) GON, Masayuki; MORISAKI, Yasuhiro; CHUJO, Yoshiki

1A7-12 Synthesis of distorted dimers by oxidation of aminophenanthrene derivatives (Grad. Sch. Eng., Nagoya Univ.) YOKOI, Hiroki; HIROTO, Satoru

Chair: KOBAYASHI, Kenji (11 : 10~12 : 10)

* 11:00-11:10: interval for laptop PC connection.(1A7-14, 1A7-15, 1A7-16, 1A7-17, 1A7-18)

1A7-14 Structural isomerization of S-Pechmann dyes based on a ring-expansion of thiolactones (Grad. Sch. Sci., Nagoya Univ.) ADACHI, Makoto; FUKAZAWA, Aiko; YAMAGUCHI, Shigehiro

1A7-15 Reaction optimization and π -extension to the armchair edge of [3,3]periacene toward the synthesis of [5,3]periacene (Grad. Sch. Sci., Osaka Univ.) KISHIMURA, Atsushi; KONISHI, Akihito; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi

1A7-16 Synthesis and Luminescence Properties of Organic-Soluble Graphene Quantum Dots (Grad. Sch. Sci., Hiroshima Univ.) UEMURA, Yuichiro; SEKIYA, Ryo; MURAKAMI, Hideki; HAINO, Takeharu

1A7-17 Synthesis and Physical Properties of Novel Mechanochemical Polymer Incorporating Non-planar Terphenoquinone Derivative (Grad. Sch. Sci., Osaka Univ.) KODAMA, Takuya; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KURATA, Hiroyuki; NAKANO, Masayoshi; KUBO, Takashi

1A7-18* Synthesis, Properties, and Self-assembling Behavior of Phenanthrene-fused Dehydro[20]- and [30]annulenes (Grad. Sch. Eng., Gunma Univ.) TAKAHASHI, Nobutaka; KATO, Satomi; YAMANOBÉ, Takeshi; UEHARA, Hiroki; KATO, Shin-ichiro; NAKAMURA, Yosuke

Thursday, March 27, PM

Chair: HAINO, Takeharu (13 : 20~14 : 00)

* 13:10-13:20: interval for laptop PC connection.(1A7-27, 1A7-29, 1A7-30)

1A7-27** Five-Fold Symmetric Penta-Bioconjugated Corannulenes: Synthesis, Properties and Applications (Tohoku Univ. Department of Chemistry and WPI-AIMR) MATTARELLA, Martin; SIEGEL, Jay

1A7-29 Synthesis of π -conjugation extended 9,10-bis(phenylethynyl)anthracene derivatives and their spectroscopic properties (Okayama Univ. of Sci. Fac. of Sci.) KARASHIMA, Sayaka; IWANAGA, Tetsuo; TOYOTA, Shinji

1A7-30[#] Syntheses and Structural Characterization of Pyrene-Based Metal Complexes (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) LUONG, Xuan-dien; YAMASHITA, Ken-ichi; ASANO, Motoko; SUGIURA, Ken-ichi

Chair: IWANAGA, Tetsuo (14 : 10~14 : 50)

* 14:00-14:10: interval for laptop PC connection.(1A7-32, 1A7-33, 1A7-34, 1A7-35)

1A7-32 Synthesis and properties of a pyrene-annulated pyrene (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YAMASHITA, Ken-ichi; NAKAMURA, Akihiro; ASANO, Motoko; SUGIURA, Ken-ichi

1A7-33 Functionalization of Hexabenzocorononetetraone (Grad. Sch. Eng., Nagoya Univ.) YAMAGUCHI, Ryuichi; HIROTO, Satoru; SHINOKUBO, Hiroshi

1A7-34 Synthesis of pyrenyl substituted π -conjugated oligoenes (Grad. Sch. Eng., Nagoya Univ.) HIROTO, Satoru; ODA, Kazuma; SHINOKUBO, Hiroshi

1A7-35 synthesis and property of trifluorantheno[3.3.3]propellane derivatives aimed at honeycomb lattice structure (Grad. Sch. Sci., Osaka Univ.) MIYAZAKI, Shogo; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KURATA, Hiroyuki; KUBO, Takashi

Cycloparaphenylene

Chair: KAWASE, Takeshi (17 : 10~18 : 00)

* 17:00-17:10: interval for laptop PC connection.(1A7-50, 1A7-52, 1A7-53, 1A7-54)

1A7-50* Development of Molecular Bearings Based on Finite Carbon Nanotube Molecules (Grad. Sch. Sci., Tohoku Univ.) HITOSUGI, Shunpei; IIZUKA, Ryosuke; YAMASAKI, Takashi; ZHANG, Rui; MURATA, Yasujiro; ISOBE, Hiroyuki

1A7-52 Selective Synthesis of Highly Strained Cycloparaphenylenes (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) MATSUI, Katsuma; SIBBEL, Friederike; SEGAWA, Yasutomo; STUDER, Armido; ITAMI, Kenichiro

1A7-53 Elucidation of Oxidation Properties for [N]Cycloparaphenylenes (ICR, Kyoto Univ.) KAYAHARA, Eiichi; FUKAYAMA, Kei; NISHINAGA, Tohru; YAMAGO, Shigeru

1A7-54 Synthesis and Physical Properties of [N]Cycloparaphenylene Radical Cations and Dications (ICR, Kyoto Univ.) KAYAHARA, Eiichi; FUKAYAMA, Kei; KOUYAMA, Takahiko; KATO, Tatsuhisa; YAMAGO, Shigeru

Chair: KUBO, Takashi (18 : 10~19 : 00)

* 18:00-18:10: interval for laptop PC connection.(1A7-56, 1A7-57, 1A7-58, 1A7-59)

1A7-56 Synthesis of Tetranuclear Platinum Complexes and Sulfur-Containing Cycloparaphenylene Derivatives using Diene Ligand with Long-Chain Alkyl Groups (ICR, Kyoto Univ.) KAYAHARA, Eiichi; ZHAI, Xue; MAEDA, Yuuki; YAMAGO, Shigeru

1A7-57 Novel Fluorescence Characters of 3,14-Diaryltetrabenzofluorenes Bearing Electron Withdrawing Groups at Para Positions at the Aryl Groups (Grad. Sch. Eng., Univ. of Hyogo) UEKI, Masanori; NISHIDA, Jun-ichi; KITAMURA, Chitoshi; KAWASE, Takeshi

1A7-58 Efficient Synthesis and Spectroscopic Properties of Unsymmetrical 5,12-Diethynyltetracene Derivatives (Okayama Univ. of Sci. Fac. of Science) IWANAGA, Tetsuo; YAMAMOTO, Yuta; NISHIOKA, Keita; TOYOTA, Shinji

1A7-59* Synthesis and Properties of Pyrrole-fused Azacoronenes with Delocalized Diradicals (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) TAKASE, Masayoshi; NARITA, Tomoyuki; FUJITA, Wataru; NISHINAGA, Tohru; NOMURA, Kotohiro

Friday, March 28, AM

Thiophene and Redox System

Chair: TAHARA, Kazukuni (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2A7-01, 2A7-02, 2A7-03, 2A7-05, 2A7-06)

2A7-01 Dynamic behavior and electrochromism of dicyanomethylene-substituted quinacridone derivative (IMRAM, Tohoku Univ.) TAKEDA, Takashi; AKUTAGAWA, Tomoyuki

2A7-02 Intramolecular charge transfer interaction of acetylene-bridged DA type molecules (Fac. Sys. Eng., Wakayama Univ.) DOI, Ikue; OKUNO, Tsunehisa

2A7-03* Synthesis and electronic properties of novel molecules consisting of azacene structures (Grad. Sch. Eng., Osaka Univ.) SAKAMAKI, Daisuke; SEKI, Shu

2A7-05 Structural change of oxidized species of 9,10-diaminoanthracenes and their electronic states (Grad. Sch. Eng., Kyoto Univ.) UEBE, Masashi; ITO, Akihiro; TANAKA, Kazuyoshi

2A7-06 Synthesis and Electronic Properties of Pentacene Derivatives Bearing Amino Groups (Grad. Sch. Eng., Kyoto Univ.) TAKAHASHI, Kazuki; UEBE, Masashi; SAKAMAKI, Daisuke; ITO, Akihiro; TANAKA, Kazuyoshi

Chair: MISAKI, Yohji (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2A7-08, 2A7-09, 2A7-10, 2A7-11)

2A7-08 Unique Redox Behaviors of Oligothiophenes Integrated with Multiple Quinone-Methides (Grad. Sch. Sci., Osaka Univ.; Fac. Eng., FUT) SUZUKI, Takeshi; KURATA, Hiroyuki; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi

2A7-09 Synthesis and Properties of π -Extended Quinoxaline and Phenazine Fused with Thienopyrrole Moieties (Fac. Eng., Gunma Univ.) TAMURA, Misaki; KATO, Shin-ichiro; NAKAMURA, Yosuke

2A7-10 Synthesis and Redox Properties of Dithienothiophene Macrocycles (Grad. Sch. Sci., Kitasato Univ.) INOUE, Ryota; HASEGAWA, Masashi; MAZAKI, Yasuhiro

2A7-11 CSJ Award for Young Chemists Creation and New Functions of Phosphole and Thiophene-based π -Electron Systems (Grad. Sch. Sci., Nagoya Univ.) FUKAZAWA, Aiko

Chair: HASEGAWA, Masashi (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2A7-15, 2A7-16, 2A7-17, 2A7-19, 2A7-20)

2A7-15 Synthesis and Properties of Benzo- and Naphthopentalene Derivatives (Gunma Univ. Faculty of Science and Technology) KUWAKO, Satoshi; KATO, Shin-ichiro; NAKAMURA, Yosuke

2A7-16 Synthesis and properties of novel bis-fused 1,3-dithiol[5]radialenes (Grad. Sch. Sci., Eng., Ehime Univ.) MATSUDA, Takashi; UEDA, Masahumi; SHIRAHATA, Takashi; MISAKI, Yohji

2A7-17* Crystal and Electronic Structures of 1,3-Dithiole[5]radialene and Its Oxidized Species (Grad. Sch. Sci., Eng., Ehime Univ.) UEDA, Masahumi; SHIRAHATA, Takashi; MISAKI, Yohji

2A7-19 Synthesis of non-symmetric 3,7-bisaryliothiodibenzofuran and its chemical and physical properties (Grad. Sch. Med., Yamaguchi Univ.; Grad. Sch. Sci., Eng., Ehime Univ.) ISHIKAWA, Mari; WATANBEI, Ryusuke; UNO, Hidemitsu; KAMIMURA, Akio

2A7-20 Syntheses of Multinuclear Platinum Catecholate Complexes Embedded in [4n]Annulenes and Properties of Their Cationic Species (Grad. Sch. Eng. Sci., Osaka Univ.) RYOMURA, Eri; TAHARA, Kazukuni; KOZUMA, Hiroyoshi; NAKAMACHI, Keigo; TOBE, Yoshito

Friday, March 28, PM

Chair: ISHIMARU, Yoshihiro (13 : 30~14 : 20)

* 13:20-13:30: interval for laptop PC connection.(2A7-28, 2A7-29, 2A7-30, 2A7-31, 2A7-32)

2A7-28 Synthesis of novel D-A type polymers containing disilane bridged-bithiophene (Grad. Sch. Eng., Hiroshima Univ.) NAKASHIMA, Makoto; OHSHITA, Joji; TANAKA, Daiki

2A7-29 Synthesis and Properties of Cyclic Thiophene-Furan Oligomers (Grad. Sch. Eng., Gunma Univ.) FUJII, Tomoko; KATO, Shin-ichiro; NAKAMURA, Yosuke

2A7-30 Synthesis of novel mechanochromic molecule having dicyanomethylene substituent (Grad. Sch. Sci., Osaka Univ.) NAKAMURA, Kazuto; KURATA, Hiroyuki; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; MATSUMOTO, Kouzou; KUBO, Takashi

2A7-31 Synthesis and Properties of Cyclic Oligothiophenes Containing β , β' -linkages (Grad. Sch. Sci., Nagoya Univ.) ASAI, Kengo; FUKAZAWA, Aiko; YAMAGUCHI, Shigehiro

2A7-32 Synthesis of polymers with disilane-bridged bithiophene backbone and applications to DSSC (Fac. Eng., Hiroshima Univ.) ADACHI, Yohei; OHSHITA, Joji; OYAMA, Yosuke; HARIMA, Yutaka; TANAKA, Daiki; NAKASHIMA, Makoto

Chair: KUBO, Takashi (14 : 30~15 : 20)

* 14:20-14:30: interval for laptop PC connection.(2A7-34, 2A7-37, 2A7-38)

2A7-34 Young Scholar Lectures of CSJ Functional Materials Based on Dynamic π -Conjugated Skeletons (RCMS, Nagoya Univ.) SAITO, Shohei

2A7-37 Synthesis and electrochromic properties of TTF dimer bridged by chiral pseudo-ortho[2.2]-paracyclophane (Grad. Sch. Sci., Kitasato Univ.) HASEGAWA, Masashi; KOBAYAKAWA, Kosuke; MATSUZAWA, Hideyo; SAKO, Katsuya; MAZAKI, Yasuhiro

2A7-38 Molecular structure and chiroptical properties of chiral thiophene-macrocycles based on pseudo-ortho[2.2]paracyclophane. (Grad. Sch. Sci., Kitasato Univ.) KOBAYAKAWA, Kosuke; HASEGAWA, Masashi; SAKO, Katsuya; MATSUZAWA, Hideyo; MAZAKI, Yasuhiro

Chair: KURATA, Hiroyuki (15 : 30~16 : 20)

* 15:20-15:30: interval for laptop PC connection.(2A7-40, 2A7-41, 2A7-42, 2A7-43, 2A7-44)

2A7-40 Construction of Assemblies of Oxidized Species of Thiophene-Pyrrole Oligomers with the Use of π -Dimerization (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) KAGEYAMA, Takuya; TAKASE, Masayoshi; NOMURA, Kotohiro; NISHINAGA, Tohru

2A7-41 Transannular cyclization of thiophene-fused tetrakisdehydro[16]annulene (Grad. Sch. Sci., Nagoya Univ.) OSHIMA, Hiroya; FUKAZAWA, Aiko; YAMAGUCHI, Shigehiro

- 2A7-42** Reaction of 2,5-bis(2-pyrrolyl)thiophene with various aldehyde. Synthesis and characterization of macrocyclic compounds (Grad. Sch. Sci., Eng., Saitama Univ.) SHIBA, Haruaki; FUJIHARA, Takashi; SETSUNE, Jun-ichiro; ISHIMARU, Yoshihiro
- 2A7-43** Reaction of antiaromatic macrocyclic compounds with various reagents (1) (Grad. Sch. Sci., Eng., Saitama Univ.) IKEDA, Ryo; FUJIHARA, Takashi; SETSUNE, Jun-ichiro; ISHIMARU, Yoshihiro
- 2A7-44** Reaction of antiaromatic macrocyclic compounds with various reagents (2) (Grad. Sch. Sci., Eng., Saitama Univ.) TAKAHASHI, Fumiya; FUJIHARA, Takashi; SETSUNE, Jun-ichiro; ISHIMARU, Yoshihiro

Chair: FUKAZAWA, Aiko (16 : 30~17 : 20)

- * 16:20-16:30: interval for laptop PC connection.(2A7-46, 2A7-47, 2A7-48, 2A7-49, 2A7-50)
- 2A7-46** Synthesis of well-defined oligo(thienylene-vinylene) by regioselective C-H coupling. (Grad. Sch. Eng., Kobe Univ.) FUKUI, Yuta; TANAKA, Shota; MORI, Atsunori
- 2A7-47** Linear polymerization of oligothiophene dendrimer (Grad. Sch. Eng., Kobe Univ.) MURAKAMI, Kohei; TANAKA, Syota; MORI, Atsunori
- 2A7-48** Synthesis and characterization of thiophene-fused galloles (Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Takuya; TANAKA, Kazuo; CHUJO, Yoshiki
- 2A7-49** Development of D- π -A Dyes Containing Isobenzothiophene Unit as π -Spacer (Sch. Sci. Tech., Kwansai Gakuin Univ.; ICR, Kyoto Univ.) HAMURA, Toshiyuki; TOZAWA, Hitoshi; MURATA, Yasujiro; WAKAMIYA, Atsushi
- 2A7-50** Synthesis and properties of cage-shaped π -conjugated compounds composed of oligothiophenes (Grad. Sch. Sci., Osaka Univ.; Fac. Eng., FUT) ADACHI, Kazuhiko; KURATA, Hiroyuki; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; MATSUMOTO, Kouzou; KUBO, Takashi

Saturday, March 29, AM

Fullerene

Chair: MURATA, Michihisa (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3A7-01, 3A7-03, 3A7-05, 3A7-06)
- 3A7-01*** Synthesis of pentabenzocorannulene toward a 40-carbon end-cap (Boston College Department of Chemistry) TANAKA, Takayuki; HASHIMOTO, Sigma; SCOTT, Lawrence
- 3A7-03*** The [3 + 2] One-pot Synthesis and Characteristic Aggregation Properties of Triazoliumfullerene Cation (Grad. Sch. Eng., Osaka Univ.) IKUMA, Naohiko; INABA, Saori; KOKUBO, Ken; OSHIMA, Takumi
- 3A7-05** Functionalization and photoelectrochemical applications of C60-ethylenediamine assembly (The Univ. of Shiga Pref. School of Engineering) BANYA, Shoto; SUZUKI, Atsushi; OKU, Takeo; AKIYAMA, Tsuyoshi
- 3A7-06** Synthesis of spiro-cyclic acetalized fullerenes with 2-substituted-1,3-propanediols and structural determination of their stereoisomers (Grad. Sch. Eng., Osaka Univ.) YAMAZAKI, Yu; MASUDA, Hiroyuki; IKUMA, Naohiko; KOKUBO, Ken

Chair: AKIYAMA, Tsuyoshi (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(3A7-08, 3A7-10, 3A7-11, 3A7-12)
- 3A7-08*** Electrochemical synthesis of lithium ion-encapsulated fullerene radical anion (Grad. Sch. Eng., Osaka Univ.) UENO, Hiroshi; NAKAMURA, Yuji; IKUMA, Naohiko; KOKUBO, Ken
- 3A7-10** Synthesis of C60 Derivatives with a Large Opening and X-ray Structure of the Open-C60 Encapsulating a Small Molecule (ICR, Kyoto Univ.; JST-PRESTO) FUTAGAI, Tsukasa; MURATA, Michihisa; WAKAMIYA, Atsushi; MURATA, Yasujiro
- 3A7-11** Structure Transformation of the Opening on an Open C70 Derivative Having a 13-Membered Ring Opening (ICR, Kyoto Univ.; JST-PRESTO) ZHANG, Rui; MURATA, Michihisa; WAKAMIYA, Atsushi; MURATA, Yasujiro
- 3A7-12** Enlargement of the Opening on Ketolactam Derivatives of Fullerene C60 (ICR, Kyoto Univ.; JST-PRESTO) HASHIKAWA, Yoshifumi; MURATA, Michihisa; WAKAMIYA, Atsushi; MURATA, Yasujiro

Porphyrin

Chair: ISHIZUKA, Tomoya (11 : 10~12 : 10)

- * 11:00-11:10: interval for laptop PC connection.(3A7-14, 3A7-15, 3A7-16, 3A7-17, 3A7-18)
- 3A7-14** Synthesis of chlorophyll derivatives possessing a 3-acyl group (Ritsumeikan Univ. Grad. Sch. Life Sci.) TAMIYAKI, Hitoshi; KIMURA, Yuki; MIYATAKE, Tomohiro
- 3A7-15** Synthesis and optical properties of chlorophyll derivatives possessing a (n) (oligo)pyridyl-vinyl/ethynyl group at the C3 position (Ritsumeikan Univ. Grad. Sch. Life Sci.,) YAMAMOTO, Youhei; TAMIYAKI, Hitoshi
- 3A7-16** Synthesis and Properties of Fused Subporphyrins (Grad. Sch. Sci., Kyoto Univ.) SHIMIZU, Daiki; MORI, Hirotaka; TANAKA, Takayuki; OSUKA, Atsuhiko

- 3A7-17** Synthesis and Properties of Phosphorus(V) Tetraazaporphyrins Focusing on Substituent Effects (Grad. Sch. Sci., Tohoku Univ.) YOSHIDA, Takuya; FURUYAMA, Taniyuki; KOBAYASHI, Nagao
- 3A7-18*** Synthesis and characterization of β -substituted subporphyrins (Grad. Sch. Sci., Kyoto Univ.) KITANO, Masaaki; OSUKA, Atsuhiko

Saturday, March 29, PM

Chair: FURUYAMA, Taniyuki (13 : 20~14 : 20)

- * 13:10-13:20: interval for laptop PC connection.(3A7-27, 3A7-28, 3A7-29, 3A7-30, 3A7-31, 3A7-32)
- 3A7-27** Redox behaviors of bis(3,5-di-tert-butyl-4-hydroxyphenyl) substituted hexaphyrins (Kyoto Univ.) NAODA, Koji; OSUKA, Atsuhiko
- 3A7-28** Synthesis and Properties of Nonaphyrin(1.1.1.1.1.1.1.1.1) Ni(II) complexes (Grad. Sch. Sci., Kyoto Univ.) SOYA, Takanori; NAODA, Koji; OSUKA, Atsuhiko
- 3A7-29** Substitution Effect on the Electronic Structures of Quadruply Fused Porphyrins (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SAEGUSA, Yuta; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko
- 3A7-30** Synthesis of *opp*-dibenzohexaphyrins by retro-Diels-Alder reaction (Grad. Sch. Sci., Kyoto Univ.; Grad. Sch. Mat. Sci., NAIST) ISHIDA, Shin-ichiro; KUZUHARA, Daiki; YAMADA, Hiroko; OSUKA, Atsuhiko
- 3A7-31** Synthesis and Characterization of Dibenzoporphycene Possessing Two Benzene-fused Ethylene Bridges (Grad. Sch. Eng., Osaka Univ.) OGAWA, Ayumu; OOHORA, Koji; HAYASHI, Takashi
- 3A7-32** Synthesis of quinoxaline-fused porphyrines with absorption bands in NIR region (NAIST) SAKAGUCHI, Mika; KUZUHARA, Daiki; ARATANI, Naoki; YAMADA, Hiroko

Chair: HIROTO, Satoru (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(3A7-34, 3A7-35, 3A7-37, 3A7-38, 3A7-39)
- 3A7-34** Synthesis and Characterization of Efficiently Conjugated 7,8-Dehydropurpurin Dimers (Grad. Sch. Sci., Kyoto Univ.) FUKUI, Norihito; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 3A7-35*** Synthesis and Properties of Porphyrin-Hexaphyrin Hybrid Arrays (Grad. Sch. Sci., Kyoto Univ.) MORI, Hirotaka; TANAKA, Takayuki; OSUKA, Atsuhiko
- 3A7-37** Synthesis and Properties of pyrrole-bridged diazaporphyrin dimers (Fac. Sci., Niigata Univ.) OMOMO, Satoshi; NAKANO, Haruyuki; MATANO, Yoshihiro
- 3A7-38** Synthesis and properties of heteroaryl-substituted porphyrines (Grad. Sch. Mat. Sci., NAIST; JST CREST) NAKAOKA, Haruka; KUZUHARA, Daiki; SAEKI, Hiroyuki; ARATANI, Naoki; YAMADA, Hiroko
- 3A7-39** Synthesis and Properties of Diketopyrrolyrrole-Linked Porphyrines (Grad. Sch. Mat. Sci., NAIST) OKABE, Takuya; SAEKI, Hiroyuki; KUZUHARA, Daiki; YAMADA, Hiroko

Chair: KOTANI, Hiroaki (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(3A7-41, 3A7-43, 3A7-44, 3A7-45, 3A7-46)
- 3A7-41*** Synthesis of Highly Twisted Pyrazine Fused Porphyrin Dimers (Grad. Sch. Eng., Nagoya Univ.) ITO, Satoru; HIROTO, Satoru; SHINOKUBO, Hiroshi
- 3A7-43** 44 π -Möbius Aromatic Decaphyrin-Palladium Complex (Grad. Sch. Sci., Kyoto Univ.) YONEDA, Tomoki; OSUKA, Atsuhiko
- 3A7-44** Synthesis and Properties of 5,10-bis(dicyanomethylene)porphyrin (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YAMASHITA, Ken-ichi; SAKAMOTO, Shino; ASANO, Motoko; SUGIURA, Ken-ichi
- 3A7-45** Synthesis and Characterization of Silylporphyrins (Grad. Sch. Sci., Kyoto Univ.) KAWABE, Masaki; FUJIMOTO, Keisuke; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 3A7-46** Synthesis and Characterization of ABC-type Subporphyrins (Grad. Sch. Sci., Kyoto Univ.; Grad. Sch. Eng., Osaka Univ.) YOSHIDA, Kota; MORI, Hirotaka; TANAKA, Takayuki; MORI, Tadashi; OSUKA, Atsuhiko

Chair: YAMASHITA, Ken-ichi (16 : 50~17 : 50)

- * 16:40-16:50: interval for laptop PC connection.(3A7-48, 3A7-49, 3A7-50, 3A7-51, 3A7-52, 3A7-53)
- 3A7-48** Reduction of Antiaromatic Norcorrole (Grad. Sch. Eng., Nagoya Univ.) YAMAMOTO, Keitaro; YAMAGUCHI, Ryuichi; SHIN, Jiyoung; SHINOKUBO, Hiroshi
- 3A7-49** Efficient Synthesis and Application of β -Haloporphyrins (Grad. Sch. Sci., Kyoto Univ.) FUJIMOTO, Keisuke; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 3A7-50** Synthesis of a π -expanded quinone-type porphyrin by formation of keto-fused rings at the perimeter (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ITAGAKI, Ryo; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko
- 3A7-51** Synthesis and properties of diazaporphyrin-rhenium complexes (Grad. Sch. Eng., Nagoya Univ.) YAMAJI, Ayaka; SHIN, Jiyoung; MIYAKE, Yoshihiro; SHINOKUBO, Hiroshi
- 3A7-52** Synthesis and characterization of dibenzo[a,g]corannulene-fused porphyrin (Grad. Sch. Sci., Kyoto Univ.) OTA, Kensuke; TANAKA, Takayuki;

OSUKA, Atsuhiko

- 3A7-53** The synthesis of various porphyrin arrays by consecutive Suzuki coupling reaction and application for single molecule electronics (Sch. Sci., Osaka Univ.) TAMAKI, Takashi; NOSAKA, Takenori; OGAWA, Takuji

Chair: TANAKA, Takayuki (18 : 00~18 : 50)

- * 17:50-18:00: interval for laptop PC connection.(3A7-55, 3A7-57, 3A7-58, 3A7-59)

- 3A7-55[#]** Two Terminal Wired Single Molecular Diodes of Porphyrin-Imide Connected to Single-Walled Carbon Nanotubes (Osaka Univ.) MURNI, Handayani; GODA, Shun; TANAKA, Hirofumi; TANAKA, Daisuke; KATAYOSE, Shinichi; OGAWA, Takuji

- 3A7-57** Synthesis and Properties of Cationic *meso*-Phosphonium Porphyrins Through Catalyst-Free Aromatic Nucleophilic Substitution Reactions (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YAMASHITA, Ken-ichi; NAKAJIMA, Yukina; KATAOKA, Kazuyuki; ASANO, Motoko; SUGIURA, Ken-ichi

- 3A7-58** Novel synthetic method of azacorrroles from nitrogen linked dipyrin derivatives (Sch. Eng., Nagoya Univ.) OMORI, Hiroto; HIRITO, Satoru; SHINOKUBO, Hiroshi

- 3A7-59** Synthesis of meso- β -fused porphyrins through hydration of alkynyl-groups (Grad. Sch. Eng., Nagoya Univ.) ODA, Kazuma; HIROTO, Satoru; SHINOKUBO, Hiroshi

Sunday, March 30, AM

Phthalocyanine

Chair: SHINOKUBO, Hiroshi (9 : 00 ~9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(4A7-01, 4A7-02, 4A7-03)

- 4A7-01** Spectroscopic Observation of Extremely Narrow MO Energy Gaps in Multiple-Decker π -Conjugation Systems (Grad. Sch. Sci., Osaka Univ.) YAMAMOTO, Kazuaki; FUKUDA, Takamitsu; FUYUHIRO, Akira; ISHIKAWA, Naoto

- 4A7-02** Generation of Chemically Reduced Quadruple-Decker Phthalocyanine Complexes and their Electronic Structures based on the π -Frontier MOs (Grad. Sch. Sci., Osaka Univ.) ITOH, Takuya; FUKUDA, Takamitsu; FUYUHIRO, Akira; ISHIKAWA, Naoto

- 4A7-03** Young Scholar Lectures of CSJ Creation of Novel Functional Molecules based on Unique Properties of Phthalocyanines (Tohoku Univ. Department of Chemistry, Graduate School of Science) SHIMIZU, Soji

Chair: FUKUDA, Takamitsu (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(4A7-07, 4A7-08, 4A7-09, 4A7-10, 4A7-11)

- 4A7-07** Environment-Dependent Three-Color Emissions of a Flexible Acene Derivative (Nagoya Univ. WPI-ITbM; Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. JST-PRESTO; Nagoya Univ. JST-CREST) MORI, Chigusa; SAITO, Shohei; YUAN, Chunxue; CAMACHO, Christopher; IRLE, Stephane; YAMAGUCHI, Shigehiro

- 4A7-08** Synthesis and Crystal Structure of Acridine-Anthranol Dyad: A One-Dimensional Hydrogen-Bonded Chain for Photo-Induced PCET Reaction (Grad. Sch. Sci., Osaka Univ.) HOSOI, Katsuma; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KUBO, Takashi

- 4A7-09** Connection of Optical Active Electron-Donor Units Containing a Perfluorobiphenyl Skeleton and their Multi-output Electrochromic Behavior (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) TAMAOKI, Hitomi; KATOONO, Ryo; FUJIWARA, Kenshu; SUZUKI, Takanori

- 4A7-10** Preparation and Redox behavior of 1H-Cyclobuta[de]naphthalene-4,5-diyldis(diarylmethylum) (Grad. Sch. Sci., Hokkaido Univ.) UCHIMURA, Yasuto; KATOONO, Ryo; FUJIWARA, Kensyu; SUZUKI, Takanori

- 4A7-11** Electrochemical Properties and Electrochromism of Electron Donors with Two Diarylmethylene Groups Interacting through Space and/or π -Conjugation (Grad. Sch. Sci., Hokkaido Univ.) SAKANO, Yuto; KATOONO, Ryo; FUJIWARA, Kenshu; SUZUKI, Takanori

Optical Physics

Chair: TAKEDA, Youhei (11 : 00~11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(4A7-13, 4A7-14, 4A7-15, 4A7-16)

- 4A7-13** Substituent effects on the triboluminescence of phthalimides (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) OHURA, Hokuto; NISHIDA, Junichi; TAKADA, Noriyuki; YAMASHITA, Yoshiro

- 4A7-14** The synthesis and physical properties of a new-type π -conjugated molecule with a cyclic structure to change its hole size by photoirradiation (Grad. Sch. Eng., Kyoto Univ.) HIRANO, Hiroki; TERAU, Jun; FUJIHARA, Tetsuaki; TSUIJ, Yasushi

- 4A7-15** Synthesis and Optical Properties of Diketone Complexes Containing Different Metals (Grad. Sch. Eng., Kyoto Univ.) HIROSE, Amane; TAMASHIMA, Kenji; TANAKA, Kazuo; CHUJO, Yoshiki

- 4A7-16^{*}** Synthesis, Crystal Structures, and Photophysical Properties of Pyrene-Based [n]Helicenes (Grad. Sch. Sci. Eng., Saga Univ.) SETO, Nobuyuki; YAMATO, Takehiko

Sunday, March 30, PM

Chair: TERAU, Jun (13 : 00~13 : 50)

- * 12:50-13:00: interval for laptop PC connection.(4A7-25, 4A7-26, 4A7-27, 4A7-28)

- 4A7-25** Synthesis and Properties of White-light-emitting Spiro-type Molecules (Grad. Sch. Eng., Kyoto Univ.) INOUE, Masashi; FUJINAGA, Hiroki; WAKAMIYA, Atsushi; MIKI, Koji; OHE, Kouichi

- 4A7-26** Syntheses and Luminescent Properties of 5,11-Dihydroindolo[3,2-b]carbazoles (Grad. Sch. Eng., Osaka Univ.) MORIUCHI, Toshiyuki; HIRANO, Misato; HIRAO, Toshikazu

- 4A7-27** Synthesis and Properties of Novel Dibenzo[*a,f*]phenazine-based π -Conjugated Molecules (Grad. Sch. Eng., Osaka Univ.) TAKEDA, Youhei; OKAZAKI, Masato; MINAKATA, Satoshi

- 4A7-28^{*}** Synthesis and fluorescent properties of 2,5-bis[aryl(alkyl)sulfonyl]-1,4-diaminobenzenes (Grad. Sch. Sci., Eng., Yamagata Univ.) BEPPU, Teruo; TOMIGUCHI, Kosuke; ABE, Yasuyuki; KATAGIRI, Hiroshi

Chair: ISHI-I, Tsutomu (14 : 00~14 : 50)

- * 13:50-14:00: interval for laptop PC connection.(4A7-31, 4A7-32, 4A7-33, 4A7-34, 4A7-35)

- 4A7-31** Diels-Alder transformation of cross-conjugated molecule, 2,3-bis(1-pyrenyl)-1,3-butadiene, toward efficient intramolecular excimer formation (Dept. Appl. Chem., Nat. Def. Acad.) KAMEDA, Tsuyoshi; HAYASHI, Shotaro; KOIZUMI, Toshio

- 4A7-32** Optical properties of germanium bridged viologen derivatives (Grad. Sch. Eng., Hiroshima Univ.; Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MURAKAMI, Kazuya; OHSHITA, Joji; MIZUMO, Tomonobu; INAGI, Shinsuke; TOMITA, Ikuyoshi

- 4A7-33** Carbazole-BODIPY Fluorescent Dye Possessing Solid-State Red Fluorescence and Green Metallic Luster Property in Both Crystalline and Amorphous States (Grad. Sch. Eng., Hiroshima Univ.) OYAMA, Yousuke; HAGIWARA, Yuta; FUKUOKA, Hiroshi; OHSHITA, Joji

- 4A7-34** Synthesis and Properties of Benzofuro[3,2-b]indole Derivatives (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TRUONG, Minh anh; NAKANO, Koji

- 4A7-35** Synthesis and Semiconducting Properties of Extended π -conjugated Compounds Fused with Benzo[1,2-b:4,5-b']difuran Framework. (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YAMAGATA, Yuta; NAKANO, Koji

Chair: NAKANO, Koji (15 : 00~16 : 00)

- * 14:50-15:00: interval for laptop PC connection.(4A7-37, 4A7-38, 4A7-39, 4A7-40, 4A7-41, 4A7-42)

- 4A7-37** Crystal structures and solid-state emission properties of the spiro-lactone-form aminobenzopyranoxanthene dyes (Grad. Sch. Dent. and Phar. Sci., Okayama Univ.) TANIOKA, Masaru; KAMINO, Sinichirou; ENOMOTO, Shuichi

- 4A7-38** Synthesis and optical evaluation of silicon nanosheet with π -conjugated unit (Grad. Sch. Eng., Hiroshima Univ.; Toyota Central R&D Labs., Inc.) YAMAMOTO, Kazuaki; TANAKA, Daiki; OHSHITA, Joji; OHASHI, Masataka; NAKANO, Hideyuki

- 4A7-39** Donor-acceptor-based Aggregates That Provide Red Light Emission in Aqueous Media (Kurume National College of Technology Material Engineering Advanced Course) KUSAGAKI, Yutaro; ISHI-I, Tsutomu

- 4A7-40** Red Light Emitting System Based on Aggregation of Water Soluble Donor Acceptor Dyes (Kurume National College of Technology Material Engineering Advanced Course) KITAHARA, Ikumi; HARADA, Mari; ISHI-I, Tsutomu

Phosphorus

- 4A7-41** Synthesis and Physicochemical Properties of *P*-Analogues of Aromatic Diimides (Grad. Sch. Eng., Osaka Univ.) TAKEDA, Youhei; NISHIDA, Takuya; MINAKATA, Satoshi

- 4A7-42** Synthesis and Physical Properties of Directly Arylated *P*-Heterocyclic Biradicals by Use of Aryne Intermediates (Grad. Sch. Sci., Eng., Tokyo Tech) UETA, Yasuhiro; MIKAMI, Koichi; ITO, Shigekazu

Supramolecule

Chair: YAMADA, Teppei (16 : 10~16 : 50)

- * 16:00-16:10: interval for laptop PC connection.(4A7-44, 4A7-45, 4A7-46)

- 4A7-44** Development and Function of Macroscopically Aligned Molecular Thin Membranes (1) (Chem. Res. Lab., Tokyo Tech) SEIKI, Noriya; SHOJI, Yoshiaki; ISHIWARI, Fumitaka; KAJITANI, Takashi; TAKATA, Masaki; SOMEYA, Takao; FUKUSHIMA, Takanori

- 4A7-45** Development and Function of Macroscopically Aligned Molecular Thin Membranes (2) (Chem. Res. Lab., Tokyo Tech) SEIKI, Noriya; SHOJI, Yoshiaki; ISHIWARI, Fumitaka; KAJITANI, Takashi; TAKATA, Masaki; SOMEYA, Takao; FUKUSHIMA, Takanori

- 4A7-46[#]** Ion Conductivity of Multi-interactive TPHP Derivatives Based on Their Assembled Structures (POSTECH) YAKIYAMA, Yumi; LEE, Gil-ryeong; MORITA, Yasushi; KAWANO, Masaki

Room B1

E&S Bldg. 101 (E & S Hall)

Organic Chemistry -Reaction and Synthesis- Metallo-organic Chemistry

Thursday, March 27, AM

B

Chair: YOSHIDA, Hiroto (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1B1-01, 1B1-02, 1B1-03, 1B1-04, 1B1-05, 1B1-06)
- 1B1-01[#]** Enantioselective Synthesis of α -Chiral (E)- γ -Alkoxyallylboronates via Copper(I)-Catalyzed Nucleophilic γ -Boryl-Substitution of Allyl Acetals (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) TAKENOUCI, Yuta; YAMAMOTO, Eiji; OZAKI, Taichi; ITO, Hajime
- 1B1-02[#]** Enantioselective Monoborylation of Alkenylsilanes Catalyzed by a Chiral Phosphine-Copper(I) Complex (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KUBOTA, Koji; YAMAMOTO, Eiji; ITO, Hajime
- 1B1-03** Development of transition metal-free trans-diborylation of alkynes and application to synthesis of multi-substituted olefins (Grad. Sch. Pharm., The Univ. of Tokyo) NAGASHIMA, Yuki; HIRANO, Keiichi; UCHIYAMA, Masanobu
- 1B1-04** Copper(I)-Catalyzed Intramolecular Borylative Cyclization of Silicon-Tethered Alkenes (Sch. Eng., Hokkaido Univ.) IWAMOTO, Hiroaki; KUBOTA, Koji; YAMAMOTO, Eiji; ITO, Hajime
- 1B1-05** Copper(I)-Catalyzed Borylative exo-Cyclization of Alkenyl Ketones (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KOJIMA, Ryoto; YAMAMOTO, Eiji; KUBOTA, Koji; ITO, Hajime
- 1B1-06** Ring-Opening Addition Reaction of Lactide and Alcohol by Using Bulky Lewis Pairs (Fac. Eng., Hiroshima Univ.) YAMAGUCHI, Kentaro; TANAKA, Ryo; NAKAYAMA, Yuushou; SHIONO, Takeshi

Chair: TAKITA, Ryo (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1B1-08, 1B1-09, 1B1-11, 1B1-12, 1B1-13)
- 1B1-08** Mechanistic Study on the Formal Umpolung Boryl Substitution of Organohalides with Silylborane and Alkoxy Base (Grad. Sch. Eng., Hokkaido Univ.) YAMAMOTO, Eiji; IZUMI, Kiyotaka; UKIGAI, Satoshi; ITO, Hajime

Si

- 1B1-09*** GRRM/AFIR study on the mechanism of boryl substitution with silylborane/alkoxy base method: A polarity conversion induced by a novel anion relay (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Fac. Sci., Hokkaido Univ.; Grad. Fac. Eng., Hokkaido Univ.) UEMATSU, Ryohei; YAMAMOTO, Eiji; MAEDA, Satoshi; ITO, Hajime; TAKETSUGU, Tetsuya

B

- 1B1-11** Formal Umpolung Boryl Substitution of Functionalized Aryl and Heteroaryl Halides with Silylborane and Alkoxy Base (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Grad. Fac. Eng., Hokkaido Univ.; Hokkaido Univ.) UKIGAI, Satoshi; YAMAMOTO, Eiji; ITO, Hajime

Al

- 1B1-12[#]** Splitting water with aluminum porphyrins (Urban Environmental Sci., Tokyo Metropolitan Univ.) KUTTASSERY, Fazalurahman; SAGAWA, Shogo; MATHEW, Siby; YAMAMOTO, Daisuke; ONUKI, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 1B1-13[#]** Synthesis and spectroscopic studies of Aluminum porphyrins (Urban Environmental Sci., Tokyo Metropolitan Univ.) MATHEW, Siby; KUTTASSERY, Fazalurahman; ONUKI, Satomi; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo

Cu

Chair: IWASAKI, Takanori (11 : 20 ~ 12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(1B1-15, 1B1-16, 1B1-17, 1B1-18, 1B1-19, 1B1-20)
- 1B1-15** Copper-Catalyzed Formal 2,3-Rearrangement of Propargyloxamines (Sch. Sci., Tohoku Univ.) ONUMA, Toshiki; KANAZAWA, Ryo; NAKAMURA, Itaru; TERADA, Masahiro
- 1B1-16** Copper-catalyzed cascade transformation of O-propargylic oximes with sulfonazides to α, β -unsaturated N-acylamidines (Grad. Sch. Sci., Tohoku Univ.) ZHANG, Dong; NAKAMURA, Itaru; TERADA, Masahiro
- 1B1-17** Copper-Catalyzed Skeletal Rearrangement of O-Propargylic Oximes via C=N Bond Cleavage (Sch. Sci., Tohoku Univ.) GIMA, Shinya; KUDO,

Yu; NAKAMURA, Itaru; TERADA, Masahiro

- 1B1-18** Direct phosphorylation of the enolates synthesized by Lewis acid-assisted 1,4-addition of bulky aryl copper reagents to cyclic enones (Grad. Sch. Biosci. Biotech., Tokyo Tech) KAWADA, Hiroki; IKOMA, Atsushi; KOBAYASHI, Yuichi
- 1B1-19** Copper-Catalyzed Three-component Borylstannylation with a Masked Diboron (Grad. Sch. Eng., Hiroshima Univ.) YOSHIDA, Hiroto; TAKEMOTO, Yuki; TAKAKI, Ken
- 1B1-20** Copper-Catalyzed Three-component Silylstannylation of Allenes (Grad. Sch. Eng., Hiroshima Univ.) YOSHIDA, Hiroto; HAYASHI, Yuuka; TAKAKI, Ken

Thursday, March 27, PM

Chair: MIURA, Masahiro (13 : 40 ~ 14 : 00)

- * 13:30-13:40: interval for laptop PC connection.(1B1-29)
- 1B1-29 CSJ Award for Creative Works** Development of Copper-Catalyzed Reactions for Synthesis of Organoboron Compounds and Luminescence Gold Complexes with Mechanical Response Properties (Grad. Sch. Eng., Hokkaido Univ.) ITO, Hajime

Chair: NAKAMURA, Itaru (17 : 00 ~ 18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(1B1-49, 1B1-50, 1B1-51, 1B1-52, 1B1-53, 1B1-54)
- 1B1-49** Cu-Catalyzed hydrofluorination of α, β -acetylenic esters (Grad. Sch. Eng., Osaka Univ.) NAKAZAKI, Masato; KUNIIYASU, Hitoshi; SANAGAWA, Atsushi; IWASAKI, Takanori; KARAN, Bobuatong; EHARA, Masahiro; KAMBE, Nobuaki
- 1B1-50** Copper Catalyzed Electrophilic Amination of N-Alkoxyamines (Grad. Sch. Sci. Tech., Keio Univ.) WADA, Takamasa; FUKAMI, Yutaro; SATO, Takaaki; CHIDA, Noritaka
- 1B1-51** Chemo- and Regioselective Hydroxylation of Aromatic Rings via Directed ortho Cupration (Grad. Sch. Pharm., The Univ. of Tokyo) SHIMOJO, Kohei; KOMAGAWA, Shinsuke; TAKITA, Ryo; UCHIYAMA, Masanobu
- 1B1-52** Reversal of enantioselectivity on Cu-catalyzed asymmetric conjugate addition reaction using ethylene-bridged, hydroxy-amide functionalized azolium salt (Fac. Chem. Materials and Bioeng., Kansai Univ.) MATSUMOTO, Keitaro; SAKAGUCHI, Satoshi
- 1B1-53** Copper-Catalyzed Hydrostannylation of Alkynes (Grad. Sch. Eng., Hiroshima Univ.) YOSHIDA, Hiroto; SHINKE, Ayako; TAKAKI, Ken
- 1B1-54** Copper-Catalyzed Carbostannylation of Arynes (Grad. Sch. Eng., Hiroshima Univ.) YOSHIDA, Hiroto; KUBO, Teruhiko; TAKAKI, Ken

Friday, March 28, AM

Chair: NAKAMURA, Itaru (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2B1-01, 2B1-02, 2B1-03, 2B1-04, 2B1-05, 2B1-06)
- 2B1-01** Synthesis of Multisubstituted Alkene Derivatives through Copper-Catalyzed Three-Component Coupling with Alkylboranes, Alkynoates, and Electrophiles (Grad. Sch. Sci., Hokkaido Univ.) WAKAMATSU, Takamichi; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 2B1-02** Enantioselective Alkynylation of α -Keto Ester Derivatives Catalyzed by Chiral Hydroxy Amino Phosphine Copper Complexes (Grad. Sch. Sci., Hokkaido Univ.) ISHII, Takaaki; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 2B1-03** Construction of Quaternary Stereogenic Carbon Centers through Copper-Catalyzed Enantioselective Cross-coupling between Alkylboranes and Primary Allyl Chlorides (Grad. Sch. Sci., Hokkaido Univ.) HOJOH, Kentaro; SHIDO, Yoshinori; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 2B1-04** Allylic Substitution for Construction of Quaternary Carbon Centers with Organolithium-based Copper Reagents (Grad. Sch. Biosci. Biotech., Tokyo Tech) OZAKI, Takuri; KOBAYASHI, Yuichi
- 2B1-05** Copper-catalyzed Cyanation of Arylboronic Esters Using Cyanogen Iodide (Grad. Sch. Eng., Kyoto Univ.) OKAMOTO, Kazuhiro; SAKATA, Naoki; OHE, Kouichi
- 2B1-06** Cu(I)-Mediated 1,2-Diarylation of Tetrafluoroethylene (Grad. Sch. Eng., Osaka Univ.) SAIJO, Hiroki; OHASHI, Masato; OGOSHI, Sensuke

Chair: OKAMOTO, Kazuhiro (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2B1-08, 2B1-10, 2B1-11, 2B1-12)
- 2B1-08[#]** Copper-Catalyzed Intramolecular Oxidative C(sp³)-H and C(sp²)-H Amidation (Grad. Sch. Pharm., The Univ. of Tokyo; The Univ. of Tokyo ERATO-JST) WANG, Zhen; KUNINOBU, Yoichiro; KANAI, Motomu
- 2B1-10** Controlling beta-hydrogen elimination in Cu-amine catalyzed Mizoroki-Heck reaction (Grad. Sch. Sci. Eng., Yamaguchi Univ.) NISHIKATA, Takashi; ITONAGA, Kouhei; NAKAMURA, Kimiaki
- 2B1-11** The development of cyclopropanation using alpha-haloester in the presence of a copper catalyst. (Fac. Eng., Yamaguchi Univ.) NODA, Yushi; NISHIKATA, Takashi
- 2B1-12*** Theoretical Study on the Mechanism of Copper-catalyzed γ -Selective Allylic Substitutions with Alkylboranes (Grad. Sch. Sci., Hokkaido Univ.; Coll. Sci., Ibaraki Univ.) NAGAO, Kazunori; HIROHISA, Ohmiya; SEIJI,

Mori; MASAYA, Sawamura

Chair: NISHIKATA, Takashi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2B1-15, 2B1-16, 2B1-17, 2B1-18, 2B1-19, 2B1-20)
- 2B1-15** Synthesis and Application of Trifluoromethyl Copper Reagent Using Hexafluoroacetone Derivatives (Grad. Sch. Sci., Eng., Tokyo Tech) NEGISHI, Kazuyuki; AIKAWA, Kohsuke; MIKAMI, Koichi
- 2B1-16** Direct synthesis of perfluoroalkyl copper reagent from esters and its application to perfluoroalkylations (Grad. Sch. Sci., Eng., Tokyo Tech) SERIZAWA, Hiroki; AIKAWA, Kohsuke; MIKAMI, Koichi
- 2B1-17** Development of perfluoroalkyl zinc reagent and its application to catalytic perfluoroalkylations (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAMURA, Yuzo; FUJII, Motohiro; AIKAWA, Kohsuke; MIKAMI, Koichi
- 2B1-18** Copper-Catalyzed Benzylic C(sp³)-H Alkoxylation of Heterocyclic Compounds (Grad. Sch. Pharm., The Univ. of Tokyo; ERATO-JST) TAKEMURA, Noriaki; KUNINOBU, Yoichiro; KANAI, Motomu
- 2B1-19** Copper-Catalyzed Reductive Fixation of CO₂ onto Allenes Employing Hydrosilanes (Grad. Sch. Eng., Kyoto Univ.) KUGA, Kazunari; TANI, Yosuke; FUJIHARA, Tetsuaki; TERAOKA, Jun; TSUJI, Yasushi
- 2B1-20** Copper-Catalyzed Skeletal Rearrangement from *O*-Propargylic Oximes to Amidodienes (Grad. Sch. Sci., Tohoku Univ.) ISHIDA, Yasuhiro; NAKAMURA, Itaru; TERADA, Masahiro

Friday, March 28, PM

Fe

Chair: HATAKEYAMA, Takuji (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2B1-28, 2B1-29, 2B1-30, 2B1-32)
- 2B1-28** The Substituent Effect of CAZBOX Ligand on the Asymmetric Epoxidation (Waseda Univ.) MAEDA, Kaori; NIWA, Takashi; NAKADA, Masahisa
- 2B1-29** Synthesis metallo porphyrinoids and its application in catalytic reactions (Grad. Sch. Eng., Kyoto Univ.) KURODA, Daiki; KURAHASHI, Takuya; MATSUBARA, Seijiro
- 2B1-30**^{##} Aryl C-Glycoside Synthesis Based on Iron-Catalyzed Cross-Coupling Reaction of Arylzinc Reagents (Grad. Sch. Eng., Kyoto Univ.; ICR, Kyoto Univ.) ADAK, Laksmikanta; KAWAMURA, Shintaro; TOMA, Gabriel; LI, Ho Chuen; TAKENAKA, Toshio; ISOZAKI, Katsuhiko; TAKAYA, Hikaru; SHING, Tony K. M.; NAKAMURA, Masaharu
- 2B1-32**^{##} Iron-Catalyzed Directed Coupling of C(sp²)-H Bond with Organoboron Compounds (Grad. Sch. Sci., The Univ. of Tokyo) SHANG, Rui; ILIES, Laurean; NAKAMURA, Eiichi

Chair: ONODERA, Gen (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2B1-35, 2B1-36, 2B1-37, 2B1-38, 2B1-39, 2B1-40)
- 2B1-35** Synthesis of Aromatic Diamines by Iron-Catalyzed C-H Amination (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) AOKI, Yuma; IMAYOSHI, Ryujii; HATAKEYAMA, Takuji; NAKAMURA, Masaharu
- 2B1-36** Synthesis of Biaryl Amines by Iron-Catalyzed C-H Arylation (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) MOCHIZUKI, Ayaka; IMAYOSHI, Ryujii; GHORAI, Sujit. k; HATAKEYAMA, Takuji; NAKAMURA, Masaharu
- 2B1-37** The Structure and Reactivity of Aryl-Iron Intermediates in Iron-Catalyzed Cross-Coupling Reactions (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) NAKAJIMA, Sho; HASHIMOTO, Toru; NAKAGAWA, Naohisa; IMAYOSHI, Ryujii; GOWER, N. J.; ADAK, Laksmikanta; HONMA, Tetsuo; SUNADA, Yusuke; NAGASHIMA, Hideo; ISOZAKI, Katsuhiko; HATAKEYAMA, Takuji; TAKAYA, Hikaru; NAKAMURA, Masaharu
- 2B1-38** Inter- versus Intraannular Ring-Closing Metathesis of Polyallylferrocenes (CRC, Hokkaido Univ.; Aichi Univ. of Educ.) OGASAWARA, Masamichi; WU, Wei-yi; ARAE, Sachie; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu
- 2B1-39**[#] Iron-Catalyzed Suzuki-Miyaura Cross-Coupling between Alkyl Halides and Alkynylborate Reagents (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) NAKAGAWA, Naohisa; HATAKEYAMA, Takuji; NAKAMURA, Masaharu
- 2B1-40** Highly Selective Cross-Coupling Reaction of Aryl Chlorides with Alkyl Grignard Reagents in the presence of Iron-NHC catalyst (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) AGATA, Ryosuke; NAKAMURA, Masaharu; HATAKEYAMA, Takuji

Chair: NAKANO, Koji (15 : 50~16 : 30)

- * 15:40-15:50: interval for laptop PC connection.(2B1-42, 2B1-43, 2B1-44, 2B1-45)
- 2B1-42** Iron-Catalyzed Regio- and Stereoselective Chlorothiolation of Alkynes with Sulfenyl Chlorides (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Aichi Univ. of Educ. Dept. of Chem.) FUJII, Tomoya; IWASAKI, Masayuki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi
- 2B1-43** Palladium-Catalyzed Regio- and Stereoselective Bromothiolation of

Terminal Alkynes (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Aichi Univ. of Educ. Dept. of Chem.) MICHIIHIRO, Nozomi; FUJII, Tomoya; IWASAKI, Masayuki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi

- 2B1-44** Studies on Iron-Catalyzed Allylic Substitution Reaction with Grignard Reagent (Fac. Sci., Kochi Univ.) OTSUKA, Takeshi; TAKEUCHI, Yoshiki; OKADA, Ryo; TABUCHI, Daichi; NAGANO, Takashi
- 2B1-45** Iron-Catalyzed Grignard Cross-Coupling for the Synthesis of Substituted Allenes (Fac. Sci., Kochi Univ.) SAITO, Shota; NAGANO, Takashi

Chair: NISHIHARA, Yasushi (16 : 40~17 : 20)

- * 16:30-16:40: interval for laptop PC connection.(2B1-47, 2B1-48, 2B1-49, 2B1-50)
- 2B1-47** Development of Catalysts for the Epoxide/CO₂ Copolymerization Based on the Mechanistic Studies (Grad. Sch. Eng., The Univ. of Tokyo) OHKAWARA, Takahiro; NAKANO, Koji; MORI, Seiji; NOZAKI, Kyoko
- 2B1-48** Iron-Catalyzed Direct Arylation of Pyridine Derivatives (Grad. Sch. Eng., Nagasaki Univ.) MATSUFUJII, Takunori; AKIOKA, Yusuke; MORI, Takamichi; ONODERA, Gen; KIMURA, Masanari
- 2B1-49** Hydrosilylation Catalyzed by DMF-Protected Iron Nanoparticle (Fac. Chem. Materials and Bioeng., Kansai Univ.) NAKAMICHI, Seiya; YANO, Hiroki; KAWASAKI, Hideya; OBORA, Yasushi
- 2B1-50** Iron-Catalyzed [2+2+2] Cycloaddition Reaction of Trifluoromethyl Group Substituted Unsymmetrical Internal Alkynes with 1,6-Diynes (Grad. Sch. Integrated Basic Sci., Nihon Univ.) ISHIKAWA, Tomoki; NAMIOKA, Junya; HIROOKA, Souchirou; MINAKAWA, Maki; KAWATSURA, Motoi

Saturday, March 29, AM

Zn

Chair: OOHASHI, Masato (9 : 10 ~ 10 : 00)

- * 9:00-9:10: interval for laptop PC connection.(3B1-02, 3B1-04, 3B1-05, 3B1-06)
- 3B1-02**^{##} Development of Catalytic Allylation Reactions Using Zinc Amides (Grad. Sch. Sci., The Univ. of Tokyo) YAMASHITA, Yasuhiro; CUI, Yi; KOBAYASHI, Shu
- 3B1-04** Development of Zinc Amide-catalyzed Asymmetric Allylation Reactions of Ketones (Grad. Sch. Sci., The Univ. of Tokyo) DATE, Tomoaki; CUI, Yi; YAMASHITA, Yasuhiro; KOBAYASHI, Shu
- 3B1-05**[#] Tunable Zinc Amide-catalyzed Reactions: Selective Synthesis of Allenic and Propargylic Alcohols (Grad. Sch. Sci., The Univ. of Tokyo) XIE, Peizhong; CUI, Yi; YAMASHITA, Yasuhiro; KOBAYASHI, Shu
- 3B1-06** Preparation of a zinc enolate equivalent from a heterocumulene and bis(iodozincio)methane (Grad. Sch. Eng., Kyoto Univ.) HARAGUCHI, Ryosuke; MATSUBARA, Seijiro

Chair: TSUKADA, Naofumi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3B1-08, 3B1-09, 3B1-10, 3B1-11, 3B1-13)
- 3B1-08** Direct C-C Bonds Construction from Arylzinc Reagents and Aryl Halides without External Catalysts (Grad. Sch. Pharm., The Univ. of Tokyo) MINAMI, Hiroki; WANG, Chao; UCHIYAMA, Masanobu
- 3B1-09** Zinc-Catalyzed Dehydrogenative Borylation of Terminal Alkynes (Sch. Sci. Eng., Meiji Univ.) TSUCHIMOTO, Teruhisa; UTSUGI, Hirokazu; SUGIURA, Tetsuya

Ni

- 3B1-10** Nickel-Catalyzed Direct ortho-Arylation of Carbon-Hydrogen Bonds in Aromatic Amides via a Bidentate-Chelation Assistance (Grad. Sch. Eng., Osaka Univ.) YOKOTA, Ayana; AIHARA, Yoshinori; CHATANI, Naoto
- 3B1-11*** Nickel-Catalyzed Direct Transformation of Aromatic and Aliphatic Carbon-Hydrogen Bonds (Grad. Sch. Eng., Osaka Univ.) AIHARA, Yoshinori; CHATANI, Naoto
- 3B1-13** Nickel-Catalyzed Direct Arylation of Aliphatic C-H Bonds with Diaryliodonium Salts (Grad. Sch. Eng., Osaka Univ.) IYANAGA, Miki; AIHARA, Yoshinori; CHATANI, Naoto

Chair: CHATANI, Naoto (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3B1-15)
- 3B1-15*** CSJ Award for Creative Works Atom Economical Catalytic Bond Formations via Nickelacycle Key Intermediates (Grad. Sch. Eng., Osaka Univ.) OGOSHI, Sensuke

Saturday, March 29, PM

Cu

Chair: SHIBATA, Takanori (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3B1-28, 3B1-31, 3B1-32, 3B1-33)
- 3B1-28** CSJ Award for Young Chemists Development of Copper-Catalyzed Highly Selective Synthetic Reactions (Grad. Sch. Sci., Hokkaido Univ.) OHMIYA, Hirohisa

Ni

- 3B1-31** Nickel-Catalyzed Reductive Cleavage of Anisole Derivatives in the Absence of External Reductant (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; MORIOKA, Toshifumi; CHATANI, Naoto
- 3B1-32** Nickel-Catalyzed Suzuki-Miyaura Coupling Reaction of Benzylic Ethers with Arylboronate Esters via the Cleavage of Carbon-Oxygen Bonds (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; YASUTOME, Ayaka; CHATANI, Naoto
- 3B1-33** Nickel-Catalyzed Direct Transformation of Carbon-Nitrogen Bonds in Aromatic Amides and Carbamates (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; NAKAMURA, Keisuke; CHATANI, Naoto

Cu

Chair: FUJIHARA, Tetsuaki (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3B1-35, 3B1-36, 3B1-38, 3B1-39, 3B1-40)
- 3B1-35** Creation of Methyl and Trifluoromethyl Chiral Quaternary Stereocenter via Multinuclear Cu-Catalyzed Conjugate Methylation (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) TAKAYAMA, Ryotaro; ENDO, Kohei; SHIBATA, Takanori
- 3B1-36*** Copper-Catalyzed Asymmetric Allylic Substitution of γ , γ -Disubstituted Allyl Phosphates with Aryl- and Silylboronates (Grad. Sch. Sci., Kyoto Univ.; Grad. Sch. Eng., The Univ. of Tokyo; IMRE; NUS) TAKEDA, Momotaro; TAKATSU, Keishi; SHINTANI, Ryo; HAYASHI, Tamio
- 3B1-38** Design of novel chiral ligands based on 1,10-phenanthroline unit(1). Application to palladium-catalyzed asymmetric reactions (Grad. Sch. Eng., Nagoya Univ.) KOMATSU, Hiroyuki; SHOJI, Kentaro; NAGANAWA, Yuki; NISHIYAMA, Hisao
- 3B1-39** Design of novel chiral ligands based on 1,10-phenanthroline unit, (Sch. Eng., Nagoya Univ.) AOYAMA, Tomotaka; NAGANAWA, Yuki; NISHIYAMA, Hisao
- 3B1-40** Design of novel chiral ligands based on 1,10-phenanthroline unit (3). Application to zinc-mediated asymmetric reaction (Grad. Sch. Eng., Nagoya Univ.) SHOJI, Kentaro; NAGANAWA, Yuki; NISHIYAMA, Hisao

Chair: ENDOU, Kohei (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3B1-42, 3B1-43, 3B1-44, 3B1-45, 3B1-46, 3B1-47)
- 3B1-42** Cooper-catalyzed γ -Selective and Stereospecific Coupling between Secondary Alkylboranes and Allylic Phosphates (Grad. Sch. Sci., Hokkaido Univ.) YASUDA, Yuto; NAGAO, Kazunori; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 3B1-43** Copper-catalyzed Enantioselective Allylic Alkylation of Terminal Alkyne Pronucleophiles (Grad. Sch. Sci., Hokkaido Univ.) HARADA, Ayumi; MAKIDA, Yusuke; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 3B1-44** Copper(I)-catalyzed Intramolecular Hydroalkoxylation of Unactivated Alkenes (Grad. Sch. Sci., Hokkaido Univ.) MURAYAMA, Hiroaki; NAGAO, Kazunori; OHMIYA, Hirohisa; SAWAMURA, Masaya
- 3B1-45** DMF-protected Cu NPs catalyzed Sonogashira Coupling Reaction (Fac. Chem. Materials and Bioeng., Kansai Univ.) OKA, Hideo; OBORA, Yasushi
- 3B1-46** Copper-catalyzed three-component coupling reaction using allenes, silylboranes, and carbonyl compounds (Grad. Sch. Eng., Kyoto Univ.) YAMAGUCHI, Tatsuya; BESSHO, Naoto; TANI, Yosuke; FUJIHARA, Tetsuaki; TERAOKA, Jun; TSUJI, Yasushi
- 3B1-47** Copper-Catalyzed Silacarboxylation of Allenes (Grad. Sch. Eng., Kyoto Univ.) TANI, Yosuke; FUJIHARA, Tetsuaki; TERAOKA, Jun; TSUJI, Yasushi

Chair: OHMIYA, Hirohisa (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(3B1-49, 3B1-50, 3B1-51, 3B1-52, 3B1-53, 3B1-54)
- 3B1-49** Copper-Catalyzed Enantioselective Propargylic Etherification of Propargylic Alcohol Derivatives (Grad. Sch. Eng., The Univ. of Tokyo) SHIBATA, Masashi; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki
- 3B1-50** Hydrogenation of Carbon Dioxide to Formate Promoted by Copper Catalysts with Organic Base (CRIEPI; Grad. Sch. Sci., Eng., Tokyo Tech) WATARI, Ryo; KAYAKI, Yoshihito; HIRANO, Shin-ichi; MATSUMOTO, Norio; IKARIYA, Takao
- 3B1-51** Copper-Catalyzed Oxidative Coupling of Thiols with Sodium Sulfonates (Sch. of Med., Fukushima Med. Univ.) TANIGUCHI, Nobukazu
- 3B1-52** Enantioselective conjugate addition reaction by the bis(NHC)-Cu catalytic system (Fac. Chem. Materials and Bioeng., Kansai Univ.) KAMIHIGASHI, Shun; SAKAGUCHI, Satoshi
- 3B1-53** Copper-Mediated Dehydrogenative Biaryl Coupling of Naphthylamines and 1,3-Azoles (Grad. Sch. Eng., Osaka Univ.) ODANI, Riko; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro
- 3B1-54** Stereoselective Synthesis of (Borylmethyl)cyclopropylamines by Copper-Catalyzed Aminoboration of Methylene-cyclopropanes (Grad. Sch. Eng., Osaka Univ.) SAKAE, Ryosuke; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro

Sunday, March 30, AM

Co

Chair: TOBISU, Mamoru (9 : 10 ~10 : 00)

- * 9:00-9:10: interval for laptop PC connection.(4B1-02, 4B1-03, 4B1-05)
- 4B1-02** Cycloisomerization Reaction of N-Cyclopropyl Alkynylimine Derivatives by Transition Metal Catalysts (Grad. Sch. Sci., Eng., Tokyo Tech) SAKURAI, Takafumi; TAKAYA, Jun; IWASAWA, Nobuharu
- 4B1-03**** Co-Catalyzed Cross-Coupling of Alkyl Halides with Tertiary Alkyl Grignard Reagents Using a 1,3-Butadiene Additive (Grad. Sch. Eng., Osaka Univ.; CSIR — Indian Institute of Chemical Technology Inorganic and Physical Chemistry Division) IWASAKI, Takanori; TAKAGAWA, Hiroaki; SINGH, Surya p.; KUNIYASU, Hitoshi; KAMBE, Nobuaki
- 4B1-05**** Cobalt-Catalyzed C4-Selective Alkylation of Pyridines and Quinolines (Grad. Sch. Pharm., The Univ. of Tokyo) YAMAMOTO, Shohei; SAGA, Yutaka; ANDOU, Takashi; MATSUNAGA, Shigeki; KANAI, Motomu

Ni

Chair: FUJITA, Takeshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4B1-08, 4B1-09, 4B1-11, 4B1-13)
- 4B1-08** Reaction of electron-deficient imines with alkynes in the presence of Ni(0) complex (Grad. Sch. Eng., Osaka Univ.) SASAOKA, Yukari; HOSHIMOTO, Youichi; OHASHI, Masato; OGOSHI, Sensuke
- 4B1-09*** Development of Carboxylation Reactions with Nickel and Cobalt Catalysts Employing Carbon Dioxide (Grad. Sch. Eng., Kyoto Univ.) NOGI, Keisuke; FUJIHARA, Tetsuaki; TERAOKA, Jun; TSUJI, Yasushi
- 4B1-11**** Nickel-Catalyzed C-H/C-O Biaryl Coupling: Catalyst Development and Mechanistic Study (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) MUTO, Kei; YAMAGUCHI, Junichiro; ITAMI, Kenichiro
- 4B1-13*** Ni-Catalyzed Direct Coupling of Carbonyls and Phenol Derivatives (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) TAKISE, Ryosuke; MUTO, Kei; YAMAGUCHI, Junichiro; ITAMI, Kenichiro

Chair: IWASAKI, Takanori (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4B1-15, 4B1-16, 4B1-17, 4B1-18, 4B1-19, 4B1-20)
- 4B1-15** Nickel-Catalyzed Allylic C-F Bond Activation via β -Fluorine Elimination (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ICHITSUKA, Tomohiro; FUJITA, Takeshi; ICHIKAWA, Junji
- 4B1-16** Nickel-Catalyzed Domino C-F Bond Activation of Trifluoromethylalkenes: Synthesis of Fluorocyclopentadienes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ICHITSUKA, Tomohiro; ARITA, Tomohiro; FUJITA, Takeshi; ICHIKAWA, Junji
- 4B1-17** Ni(0)-Catalyzed Cotrimerization Reaction of Tetrafluoroethylene with Ethylene. (Grad. Sch. Eng., Osaka Univ.) KAWASHIMA, Takuya; OHASHI, Masato; OGOSHI, Sensuke
- 4B1-18** Ni(0)-Catalyzed Three-Component Coupling Reaction of Tetrafluoroethylene, Ethylene, and Carbonyl Compounds. (Grad. Sch. Eng., Osaka Univ.) SHIRATAKI, Hiroshi; OHASHI, Masato; OGOSHI, Sensuke
- 4B1-19** Cross-Addition of Triisopropylsilylacetylene to Internal Alkynes Catalyzed by a Multinuclear Nickel Complex (Grad. Sch. Sci., Shizuoka Univ.) IDE, Tatsuki; YOKOYAMA, Taisuke; TSUKADA, Naofumi
- 4B1-20** Studies on the Reaction Mechanism of Benzoxasilole Synthesis Catalyzed by Nickel/N-Heterocyclic Carbene (Grad. Sch. Eng., Osaka Univ.) YABUKI, Hayato; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensuke

Room B2

E&S Bldg. 103

Organic Chemistry -Reaction and Synthesis- Organic Electron Transfer Chemistry

Thursday, March 27, AM

Chair: SAITOH, Tsuyoshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1B2-08, 1B2-09, 1B2-10, 1B2-11, 1B2-12)
- 1B2-08** Stabilization of the Cage-Type Radical Cation Possessing "One-Electron Sigma Bond" (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) KURAMOTO, Yutaro; ASADA, Naoya; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1B2-09** Facile synthesis of bifunctionalized conductive particles by bipolar electrochemistry (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech)

- KOIZUMI, Yuki; SHIDA, Naoki; TOMITA, Ikuyoshi; INAGI, Shinsuke
1B2-10 Electrooxidative Hofmann-type rearrangement of urea derivatives (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SHIBASAKI, Kota; KUROBOSHI, Manabu; TANAKA, Hideo; KAWAKUBO, Hiromu
1B2-11 Electrochemical generation of solvated electrons in cyclic amide solvents (Shibaura Inst. of Tech.) YOSHIDA, Akihiro; SATO, Shintaro; MIYAZAKI, Nobuo; TAJIMA, Toshiaki
1B2-12* Introduction of nitrogen functionalities to aromatic compounds by electrochemical oxidation (Grad. Sch. Eng., Kyoto Univ.) MOROFUJI, Tatsuya; SHIMIZU, Akihiro; YOSHIDA, Jun-ichi

Chair: INAGI, Shinsuke (11 : 20~12 : 10)

- * 11:10-11:20: interval for laptop PC connection.(1B2-15, 1B2-16, 1B2-17, 1B2-18, 1B2-19)
1B2-15 Electrochemical Properties of Nitrogen-Containing Polycyclic Quinones (Grad. Sch. Eng., Kyoto Univ.; Panasonic Corp.) TSUJII, Yutaka; SHIMIZU, Akihiro; NOKAMI, Toshiaki; KURAMOTO, Hiroki; INATOMI, Yuu; HOJO, Nobuhiko; SUZUKI, Hirotsugu; YOSHIDA, Jun-ichi
1B2-16 Preparation of optically active thermoresponsive polymer grafted graphite by using electrooxidation and living radical polymerization procedures (Fac. Sci. Eng., Kinki Univ.) KOJO, Asuka; ISHIFUNE, Manabu
1B2-17 Electrochemical Carboxylation of alpha-Amino Benzyl Sulfones (Sch. Eng., Hokkaido Univ.; Grad. Sch. Eng., Hokkaido Univ.; Grad. Sch. Chi. Sci. and Eng., Hokkaido Univ.) MINEMURA, Yoshihito; SUZUKI, Yuto; KATAYAMA, Asahi; SENBOKU, Hisanori; HARA, Shoji
1B2-18 Diastereoselective Synthesis of Piperidine Derivatives By Using Indirect Cation Pool Method (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) AKAGI, Tomoya; MITSUDO, Koichi; SUGA, Seiji
1B2-19 Development of Carbohydrate Building Blocks for Automated Electrochemical Synthesis of Oligodermansides (Grad. Sch. Eng., Tottori Univ.) NOTSU, Ikumi; NOKAMI, Toshiaki; ITOH, Toshiyuki

Thursday, March 27, PM

Chair: SHIMIZU, Akihiro (14 : 00~14 : 50)

- * 13:50-14:00: interval for laptop PC connection.(1B2-31, 1B2-32, 1B2-33, 1B2-34, 1B2-35)
1B2-31 Introduction of electron mediator to vitamin B₁₂ - Ru photosensitizer system and its application. (Grad. Sch. Eng., Kyushu Univ.) HOFUKU, Noriyuki; SHIMAKOSHI, Hisashi; ONO, Toshikazu; ABE, Masaaki; HISAEDA, Yoshio
1B2-32 Mg-Promoted silylation of benzoylacetylenes (Nagaoka Univ. of Tech.) UCHIYAMA, Ryotaro; TAKANO, Atsushi; NISHIYAMA, Yutaro; MAEKAWA, Hirofumi
1B2-33 Synthesis of Oligothiophene-Viologen Alternating Copolymer by Electrochemical Methods (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SHIRAIISHI, Ryota; SHIDA, Naoki; TOMITA, Ikuyoshi; INAGI, Shinsuke
1B2-34 The Synthesis of Oxazolines from Unsaturated Amides Using an Electrochemically Generated ArS(ArSSAr)⁺ Pool (Fac. Sci. Eng., Kinki Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Kouichi; MIYAMOTO, Yu; SUGA, Seiji; KASHIMURA, Shigenori; YOSHIDA, Jun-ichi
1B2-35 Preparation of an Electrogenerated Base in Flow Microreactor and Its Synthetic Applications (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) MAHITO, Atobe; YOSHIYUKI, Yamaji; TSUNEO, Kashiwagi

Chair: MITSUDO, Koichi (15 : 00~16 : 00)

- * 14:50-15:00: interval for laptop PC connection.(1B2-37, 1B2-39, 1B2-40, 1B2-41, 1B2-42)
1B2-37* Synthesis and Characterization of Tetrathienonaphthalene Formed by Photoinduced Electron-Transfer Cyclization Reaction (Grad. Sch. Eng., Osaka Pref. Univ.; Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) YAMAMOTO, Atsushi; KISHIGAMI, Nao; TSUKAHARA, Norihiro; TOMIYORI, Yusuke; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
1B2-39 Pinacol Coupling Promoted by Viologen/Ti Electron Transfer System (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) KATAOKA, Ryukei; YOSHIDA, Masahumi; KUROBOSHI, Manabu; TANAKA, Hideo
1B2-40[#] Reductive acylation of phenylacetylene derivatives accompanying with transposition of the triple bond (Nagaoka Univ. of Tech.) ZHANG, Tianyuan; TAKANO, Atsushi; NISHIYAMA, Yutaro; MAEKAWA, Hirofumi
1B2-41 Alkene difunctionalization by halogen and chalcogen cation pools (Grad. Sch. Eng., Kyoto Univ.) HAYASHI, Ryutaro; ASHIKARI, Yosuke; SHIMIZU, Akihiro; YOSHIDA, Jun-ichi
1B2-42 Thiolactonization of Unsaturated Carboxylic Acids Using an Electrochemically Generated ArS(ArSSAr)⁺ Pool and its Stereochemistry (Fac. Sci. Eng., Kinki Univ.; Grad. Sch. Eng., Kyoto Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MATSUMOTO, Kouichi; HAGA, Fumi; SHIMADA, Kazuaki; SHIMAZAKI, Hayato; SANADA, Tomonari; ASHIKARI, Yosuke; SUGA, Seiji; KASHIMURA, Shigenori; YOSHIDA, Jun-ichi

Friday, March 28, AM

Chair: MATSUMOTO, Kouichi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2B2-08, 2B2-09, 2B2-10, 2B2-11, 2B2-12, 2B2-13)
2B2-08 Charge-Discharge Properties of Quinones Having Two Lithiooxycarbonyl Groups (Grad. Sch. Eng., Kyoto Univ.; Panasonic Corp.) KURAMOTO, Hiroki; SHIMIZU, Akihiro; TSUJII, Yutaka; NOKAMI, Toshiaki; INATOMI, Yuu; HOJO, Nobuhiko; SUZUKI, Hirotsugu; YOSHIDA, Jun-ichi
2B2-09 Introduction of water-soluble functional polymer chains on electrochemically synthesized polysilanes (Fac. Sci. Eng., Kinki Univ.) MAEKAWA, Nanae; MORI, Shuji; ISHIFUNE, Manabu
2B2-10 Solvent-free Photooxygenation of Aromatic Compounds by 2,3-Dichloro-5,6-dicyano-p-benzoquinone (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) HIROSE, Kensaku; OHKUBO, Kei; FUKUZUMI, Shunichi
2B2-11 Reduction of phosphine oxide (R₃P=O) to the corresponding phosphine (R₃P) by using Mg/Me₃SiCl/DMI system (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) AONO, Asuka; KIKUCHI, Seiya; KUROBOSHI, Manabu; KATAGIRI, Toshimasa; TANAKA, Hideo
2B2-12 Anodic Fluorination of Sulfides Using KF in HFIP (Shibaura Inst. of Tech.) MIURA, Yumiko; KITAJIMA, Nobutaka; YOSHII, Hiroto; TAJIMA, Toshiaki
2B2-13 Newly designed organo-dications for organocatalysts generated by the electrochemical technique (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) FUJIWARA, Ikumi; TAKASUKA, Yuki; ONISHI, Yuki; OKAMURA, Yuya; KURIHARA, Yusuke; MITSUDO, Koichi; SUGA, Seiji

Chair: NOKAMI, Toshiaki (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2B2-15, 2B2-17, 2B2-18, 2B2-19, 2B2-20)
2B2-15^{#*} Fabrication of 3D Gradient Polymer Brush Based on Bipolar Electrochemistry (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SHIDA, Naoki; FUCHIGAMI, Toshio; TOMITA, Ikuyoshi; INAGI, Shinsuke
2B2-17 Synthesis of the π -Extended Dehydro[18]annulene Bearing Six Thiophenes and Its Physical Properties (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) KAMIMOTO, Natsuyo; MITSUDO, Koichi; SUGA, Seiji
2B2-18 Electrosynthesis of polyphenylene films and their optical properties (Shibaura Inst. of Tech. College of Engineering) ANDO, Takumi; YOSHII, Hiroto; TAJIMA, Toshiaki
2B2-19 Photocyclization of Aromatic Compounds Containing Terminal Hydroxyalkyl Group with 2,3-Dichloro-5,6-dicyano-p-benzoquinone (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) MATSUMOTO, Soichiro; OHKUBO, Kei; FUKUZUMI, Shunichi
2B2-20 Study on the Electrochemical Reduction of Water-insoluble Organic Compounds in Emulsion Using Tandem Acoustic Emulsification (Grad. Sch. Eng., Yokohama Natl. Univ.) NKBAYASHI, Koji; KOIZUMI, Toru; ATOBE, Mahito

Room B3

E&S Bldg. ES021

Organic Chemistry -Reaction and Synthesis- Metallo-organic Chemistry

Thursday, March 27, AM

Si, Mn

Chair: MURAI, Masahito (9 : 10 ~10 : 00)

- * 9:00-9:10: interval for laptop PC connection.(1B3-02, 1B3-03, 1B3-04, 1B3-05, 1B3-06)
1B3-02 Effect of Substituents on Silicon Atoms upon Absorption and Fluorescence Properties of 1,3,6,8-Tetrakisilapyrenes (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) SUZUKI, Tsubasa; MAEDA, Hajime; SEGI, Masahito
1B3-03 Copper(I) Salt-promoted Cross-coupling of Aryl- and Alkenyldimethylsilanes via Alkoxylation (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEDA, Takeshi; MURAMATSU, Daisuke; OBATA, Ryosuke; TUBOUCHI, Akira
1B3-04 Mn-Catalyzed C-H/C-H Coupling of Carbonyl Compounds and Heteroarenes (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) HATTORI, Keika; ZIADI, Asraa; YAMAGUCHI, Junichiro; ITAMI, Kenichiro
1B3-05 Enantioselective Reaction of 2-Naphthols Mediated by Chiral Mn-Catalyst (ISIR, Osaka Univ.) AKITA, Mitsutoshi; TAKIZAWA, Shinobu; SASAI, Hiroaki
1B3-06[#] Endo-Mode Ring Closing Metathesis in Cp Manganese Complex (Grad. Sch. Sci., Osaka Pref. Univ.; CRC, Hokkaido Univ.) TSENG, Ya-yi;

KAMIKAWA, Ken; TAKAHASHI, Tamotsu; OGASAWARA, Masamichi

Cr, Re

Chair: TAKAYA, Hikaru (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1B3-08, 1B3-10, 1B3-12, 1B3-13)

- 1B3-08*** Catalytic Enantioselective Synthesis of Planar-Chiral (π -Arene) chromium Complexes by Mo-Catalyzed Ring-Closing Metathesis (CRC, Hokkaido Univ.; Grad. Sch. Sci., Osaka Pref. Univ.) WU, Wei-yi; TSENG, Ya-yi; ARAE, Sachie; NAKAMURA, Chihiro; MORITA, Tomotaka; TAKAHASHI, Tamotsu; OGASAWARA, Masamichi; KAMIKAWA, Ken
- 1B3-10*** Rhenium-Catalyzed Synthesis of Iminoisoindolinones and Polyimide Analogues via C-H Bond Functionalization (Grad. Sch. Pharm., The Univ. of Tokyo; CREST-JST) SUEKI, Shunsuke; GUO, Yuanfang; KANAI, Motomu; KUNINOBU, Yoichiro
- 1B3-12** Rhenium-Catalyzed Dehydrogenative Borylation of C(sp³)-H Bonds Adjacent to a Nitrogen Atom (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) OMURA, Tetsuya; MURAI, Masahito; KUNINOBU, Yoichiro; TAKAI, Kazuhiko
- 1B3-13** Rhenium-Catalyzed Synthesis of 2H-1,2-Oxaphosphorin-2-Oxides from the Reaction of β -Ketophosphonates with Alkynes via the C-C Bond Cleavage (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) NAKAMURA, Masahito; MURAI, Masahito; TAKAI, Kazuhiko

Re, Ru

Chair: KANBAYASHI, Naoya (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1B3-15, 1B3-16, 1B3-17, 1B3-18, 1B3-19, 1B3-20)

- 1B3-15** Rhenium-Catalyzed anti-Markovnikov Addition Reaction of Methanetricarboxylates to Terminal Alkynes (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) HORI, Syunsuke; MURAI, Masahito; TAKAI, Kazuhiko
- 1B3-16** Ruthenium Complex-Bound Norvaline-Catalyzed Oxidation of Electron-Rich Aromatic Compounds with Hydrogen Peroxide (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) YOSHIDA, Ryota; ISOZAKI, Katsuhiko; YOKOI, Tomoya; TAKENAKA, Toshio; TAKAYA, Hikaru; NAKAMURA, Masaharu
- 1B3-17** Ruthenium-catalyzed enantioselective allylic amination of racemic allylic esters (Grad. Sch. Integrated Basic Sci., Nihon Univ.) TERASAKI, Shou; UTIDA, Kenta; MINAKAWA, Maki; KAWATSURA, Motoi
- 1B3-18** Catalytic Enantioselective Synthesis of Planar-Chiral *ansa*-Zirconocenes by Asymmetric Ring-Closing Metathesis and Their Application as Chiral Catalysts (CRC, Hokkaido Univ.; Aichi Univ. of Educ.) OGASAWARA, Masamichi; ARAE, Sachie; WATANABE, Susumu; OANA, Ayaka; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu
- 1B3-19** Ruthenium-Catalyzed Stereoselective Hydrocarboxylative Cyclization of 1,6-Diynes. (Nagoya Univ. Graduate school of Pharmaceutical Sciences) MORI, Shota; YAMAMOTO, Yoshihiko; SHIBUYA, Masatoshi
- 1B3-20** Development of One-Pot Ruthenium-Catalyzed Transfer-Hydrogenative Cyclization/Intramolecular Diels-Alder Reaction (Nagoya Univ. Department of Basic Medicinal Sciences) MATSUI, Kazuma; YAMAMOTO, Yoshihiko; SHIBUYA, Masatoshi

Thursday, March 27, PM

Ru

Chair: KOCHI, Takuya (13 : 40~14 : 40)

* 13:30-13:40: interval for laptop PC connection.(1B3-29, 1B3-30, 1B3-31, 1B3-32, 1B3-33, 1B3-34)

- 1B3-29** Highly enantioselective catalytic asymmetric cyclopropanation of α , β -unsaturated carbonyl compounds with diazoacetates by using Ru(II)-Pheox complex. (Toyoashi Univ. of Tech.) HASEGAWA, Yoko; CHANTHAMATH, Soda; SHIBATOMI, Kazutaka; IWASA, Seiji
- 1B3-30** Catalytic System Based on Ru Complex and Zn Salts for Hydrogenation of Amides (Grad. Sch. Eng. Sci., Osaka Univ.) HIGUCHI, Takafumi; KITA, Yusuke; MASHIMA, Kazushi
- 1B3-31** Catalytic Asymmetric Hydrogenation of 7-Azaindoles (Fac. Sci., Kyushu Univ.) KURAMOTO, Takahiro; ISHIZUKA, Kentaro; KUWANO, Ryoichi
- 1B3-32** Ruthenium Hydride-Catalyzed Novel C-C Bond Formation via Olefin Isomerization and Allylic Alkylation (Grad. Sch. Sci., Osaka Pref. Univ.) KUWAHARA, Takashi; FUKUYAMA, Takahide; RYU, Ilhyong
- 1B3-33** Synthesis of CF₃-Containing Oxazine Derivatives by Photoredox Catalysis (Chem. Res. Lab., Tokyo Tech) ARAI, Yusuke; YASU, Yusuke; KOIKE, Takashi; AKITA, Munetaka
- 1B3-34** Ruthenium-Catalyzed Regioselective C-H Alkenylation of Aromatic Amines (Grad. Sch. Eng., Osaka Univ.) SUZUKI, Chiharu; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro

Chair: FUKUYAMA, Takahide (17 : 00~18 : 00)

* 16:50-17:00: interval for laptop PC connection.(1B3-49, 1B3-51, 1B3-52, 1B3-53)

- 1B3-49*** A New Method for Asymmetric Polymerization: Asymmetric Allylic

Substitution Catalyzed by Planar-Chiral Cyclopentadienyl-Ruthenium Complex (Osaka Univ.) KANBAYASHI, Naoya; HOSODA, Kazuki; OKAMURA, Taka-aki; ONITSUKA, Kiyotaka

- 1B3-51** Asymmetric Cycloisomerization of Enynes Catalyzed by Planar-chiral Cyclopentadienyl-ruthenium Complexes (Grad. Sch. Sci., Osaka Univ.) TAKII, Koichiro; KANBAYASHI, Naoya; OKAMURA, Taka-aki; AOSHIMA, Sadahito; ONITSUKA, Kiyotaka
- 1B3-52** Syntheses of Fluorine-Containing Tetraarylanthracenes by Catalytic Arylation of Unreactive Bonds and Their Crystal Structures (Grad. Sch. Sci. Tech., Keio Univ.) IZUMOTO, Akiko; KOCHI, Takuya; KAKIUCHI, Fumitoshi
- 1B3-53*** Syntheses and Reactivities of Hydrido Carbonyl Ruthenium Complexes Bearing Various Triarylphosphines (Fac. Sci. Tech., Keio Univ.) OGIWARA, Yohei; KOCHI, Takuya; KAKIUCHI, Fumitoshi

Friday, March 28, AM

Au

Chair: KUNIYASU, Hitoshi (9 : 20 ~ 10 : 10)

* 9:10-9:20: interval for laptop PC connection.(2B3-03, 2B3-04, 2B3-05, 2B3-06, 2B3-07)

- 2B3-03** Gold(I)-Catalyzed Ring-Expanding Spiroannulation of Cyclopropanes with Enynes (Fac. Sci., Tokyo Univ. of Sci.) SAKURAI, Yusuke; MATSUDA, Takanori
- 2B3-04*** Nanoporous gold as a highly active catalyst for aerobic oxidation of hydroxylamines into nitrones (Grad. Sch. Sci., Tohoku Univ.) KUSUMA, Indra; YUDHA, Salprima; ASAO, Naoki
- 2B3-05** Enantioselective Synthesis of Higher-Order Azahelicenes via Gold-Catalyzed Intramolecular Hydroarylation (Fac. Eng., Tokyo Univ. of Agri. and Technol.) NAKAMURA, Kyosuke; TANAKA, Maya; FURUMI, Seiichi; TAKEUCHI, Masayuki; TANAKA, Ken

Ag

- 2B3-06** Silver-Catalyzed Hydroboration of Alkynes (Grad. Sch. Eng., Hiroshima Univ.) YOSHIDA, Hiroto; KAGEYUKI, Ikuo; TAKAKI, Ken

Ni

- 2B3-07** Nickel(I)-Catalyzed N-Arylation of Biarylamines (Fac. Sci., Fukuoka Univ.) INATOMI, Takahiro; IWASAKI, Haruka; KOGA, Yuji; MATSUBARA, Kouki

Chair: MATSUDA, Takanori (10 : 20~11 : 10)

- * 10:10-10:20: interval for laptop PC connection.(2B3-09, 2B3-10, 2B3-11, 2B3-12, 2B3-13)
- 2B3-09** Highly Stereoselective Multi-Component Coupling Reaction of Cyclic Carbonate, Alkyne, and Dimethylzinc via Oxanickelacycle Intermediate (Grad. Sch. Eng., Nagasaki Univ.) YAMASHITA, Takuro; MORI, Takamichi; ONODERA, Gen; KIMURA, Masanari
- 2B3-10** Ni-Catalyzed Highly Regioselective Three-Component Coupling Reaction of Conjugated Enyne, Aldehyde, and Organozinc Reagents (Grad. Sch. Eng., Nagasaki Univ.) MORI, Yasuyuki; ONODERA, Gen; KIMURA, Masanari
- 2B3-11** Nickel catalyzed regioselective synthesis of substituted benzenes (Grad. Sch. Eng., Kyoto Univ.) IWAMOTO, Takahiro; KURAHASHI, Takuya; MATSUBARAA, Seiji
- 2B3-12** Regio- and Stereoselective Formation of Unsaturated Carboxylic Acids and Phenylacetic Acids from Diketene and Alkyne via Oxanickelacycle Intermediate (Fac. Eng., Nagasaki Univ.) NINOKATA, Ryo; MORI, Takamichi; ONODERA, Gen; KIMURA, Masanari
- 2B3-13** Ni-Catalyzed Selective Formation of Unsaturated Carboxylic Acids and Phenylacetic Acids via C-C Double Bond Cleavage of Diketene (Grad. Sch. Eng., Nagasaki Univ.) KAWAHARA, Hisaho; MORI, Takamichi

Co

Chair: IWASAWA, Nobuharu (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2B3-15, 2B3-16, 2B3-17, 2B3-18)
- 2B3-15** Catalytic hydroboration with pinacolborane using Co II complex bearing N-heterocyclic carbene. (Fac. Sci., Fukuoka Univ.) MIURA, Atsumi; KOGA, Yuji; MATSUBARA, Kouki
- 2B3-16** Cobalt-catalyzed cycloaddition of *o*-xylene dichlorides with alkynes (Fac. Eng., Hiroshima Univ.) OKAMOTO, Yuji; KOMEYAMA, Kimihiro; TAKAKI, Ken
- 2B3-17** Cobalt-catalyzed bis-benzylation of alkynes (Fac. Eng., Hiroshima Univ.) ASAKURA, Ryota; KOMEYAMA, Kimihiro; TAKAKI, Ken
- 2B3-18*** CSJ Award for Young Chemists Development of Cobalt-Catalyzed C-H Bond Functionalization Reactions (Nanyang Tech. Univ.) YOSHIKAI, Naohiko

Friday, March 28, PM

Pt

Chair: SAITO, Nozomi (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2B3-28, 2B3-29, 2B3-30, 2B3-31, 2B3-32, 2B3-33)

2B3-28 Borylation of Aromatic C-H Bonds Catalyzed by a PSiN-Pincer Platinum Complex. (Grad. Sch. Sci., Eng., Tokyo Tech) NOMOTO, Hironori; KIRAI, Naohiro; TAKAYA, Jyun; IWASAWA, Nobuharu**2B3-29** Substituent Effects on Synthesis of Platinum (II) Complexes with a Series of Pyridylthiophene Based Ligands (Fac. Sys. Eng., Wakayama Univ.) KAWABATA, Atsuko; OSUGA, Hideji; WAKISAKA, Kazuyuki; SAKAMOTO, Hidefumi**2B3-30** Platinum-Catalyzed Alcoholysis of Alkenylsilanes (Grad. Sch. Sci., Eng., Saitama Univ.) KAWAMURA, Norifumi; MIURA, Katsukiyo; KINOSHITA, Hidenori

Rh

2B3-31 Synthesis of Bicyclo[3.1.0]hexanes via Enantioselective Cycloisomerization of 1,6-Enynes Catalyzed by Rhodium and Benzoic Acid (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) MASUTOMI, Koji; TANAKA, Ken**2B3-32** Room Temperature Oxidative Annulation of Benzyl Alcohols with Internal Alkynes Catalyzed by an Electron-Deficient Rhodium(III) Catalyst (Fac. Eng., Tokyo Univ. of Agri. and Technol.) FUKUI, Miho; HOSHINO, Yuki; SATOH, Tetsuya; MIURA, Masahiro; TANAKA, Ken**2B3-33** Cationic Rhodium(I) Complex-Catalyzed Cycloisomerization of 2-Silylthynylphenols Involving 1,2-Silicon Migration (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KANNO, Hiroshi; NAKAMURA, Kyosuke; TANAKA, Ken

Chair: HIRANO, Koji (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2B3-35, 2B3-36, 2B3-37, 2B3-38, 2B3-39, 2B3-40)

2B3-35 Chirality Transfer in Rhodium-Catalyzed 2,3-Rearrangement/Heterocyclization Cascade (Grad. Sch. Sci., Tohoku Univ.) SATO, Yoshinori; TAKEDA, Keisuke; NAKAMURA, Itaru; TERADA, Masahiro**2B3-36** Synthesis of optically active 3-amino-1,2-diols via Rh-catalyzed enantioselective dimerization (Grad. Sch. Eng., Nagoya Univ.) MIYATA, Suguru; TORIBATAKE, Kenji; NAGANAWA, Yuki; NISHIYAMA, Hisao**2B3-37** Enantioselective Synthesis of Helically or Axially Chiral Bitriphenylene Derivatives by Rhodium-Catalyzed [2+2+2] Cycloaddition (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) MURAYAMA, Koichi; OIKE, Yasuaki; FURUMI, Seichi; TAKEUCHI, Masayuki; TANAKA, Ken**2B3-38** Synthesis of Pyridylphosphonates by Rhodium-Catalyzed [2+2+2] Cycloaddition of α, ω -Dienes with Diethyl Cyanophosphonate (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KASHIMA, Kenichi; ISHII, Masahiro; TANAKA, Ken**2B3-39** Rhodium-Catalyzed Asymmetric [2+2+2] Cycloaddition of 5-Alkenals with Alkynes (Fac. Eng., Tokyo Univ. of Agri. and Technol.) SAKASHITA, Kazuki; MASUTOMI, Koji; TANAKA, Ken**2B3-40** Asymmetric synthesis of α -amino acid derivatives by rhodium-catalyzed arylation of ketimines (Grad. Sch. Sci., Kyoto Univ.) TAKECHI, Ryosuke; NISHIMURA, Takahiro

Chair: NISHIMURA, Takahiro (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(2B3-42, 2B3-43, 2B3-44, 2B3-45, 2B3-46, 2B3-47)

2B3-42 Rhodium-Catalyzed Decarboxylative Transformation of Alkene-Tethered Isoxazol-5(4H)-ones (Grad. Sch. Eng., Kyoto Univ.) OKAMOTO, Kazuhiro; NANYA, Atsushi; SHIMBAYASHI, Takuya; OHE, Kouichi**2B3-43** Efficient Synthesis of Dibenzothiophene Dioxide Derivatives by Rh(I)-Catalyzed [2+2+2] Cycloaddition (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) GAKE, Manami; TAHARA, Yuki; SHIBATA, Takanori**2B3-44** Rh(III)-Catalyzed C-H Bond Activation along with Rollover for the Synthesis of Multicyclic Heterocycles (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) TAKAYASU, Satoshi; SHIBATA, Takanori**2B3-45** Rhodium-Catalyzed Dehydrogenative Borylation of Terminal Alkenes with Pinacolborane (Grad. Sch. Eng., Kyoto Univ.) MORIMOTO, Masao; MIURA, Tomoya; MURAKAMI, Masahiro**2B3-46** Rhodium-catalyzed synthesis of di(heteroaryl)methanes using heteroarylmethyl ketones (Grad. Sch. Pharm. Sci., Tohoku Univ.) LI, Guangzhe; ARISAWA, Mieko; YAMAGUCHI, Masahiko**2B3-47** Rhodium-catalyzed Synthesis of Arylphosphines from Aryl Sulfides and Diphosphines (Grad. Sch. Pharm. Sci., Tohoku Univ.) ARISAWA, Mieko; KOBAYASHI, Haruki; YAMAGUCHI, Masahiko

Chair: TANAKA, Ken (17 : 00~17 : 30)

* 16:50-17:00: interval for laptop PC connection.(2B3-49, 2B3-50, 2B3-51)

2B3-49 Synthesis of Phosphorus-containing Fused Heteroaromatic Compounds via Oxidative Annulation (Grad. Sch. Eng., Osaka Univ.) UNOH,

Yuto; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro

2B3-50 Rhodium-Catalyzed Direct Alkenylation of Phenyl Sulfoxides (Grad. Sch. Eng., Osaka Univ.) NOBUSHIGE, Kazunori; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro**2B3-51** Rhodium-Catalyzed Dehydrogenative Coupling/Annulation of 3-Phenylthiophenes with Alkynes (Grad. Sch. Eng., Osaka Univ.) IITSUKA, Tomonori; HIRANO, Koji; SATOH, Tetsuya; MIURA, Masahiro

Saturday, March 29, AM

Ti, Nb

Chair: HIRASHITA, Tsunehisa (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3B3-01, 3B3-02, 3B3-03, 3B3-04, 3B3-05, 3B3-06)

3B3-01 Formation and reaction of cycloalkenylidenetitanocenes (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEDA, Takeshi; TERAMOTO, Yuzo; TSUBOUCHI, Akira**3B3-02** Regio- and stereoselective preparation of conjugated dienes by the reaction of titanium-carbene complexes with homopropargyl alcohols (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEDA, Takeshi; MORI, Ayako; TSUBOUCHI, Akira**3B3-03** Reduction of Trifluorotoluene Derivatives Mediated by Titanium Tetrachloride (Fac. Sci., Gakushuin Univ.) YAMADA, Takayuki; SAITO, Kodai; AKIYAMA, Takahiko**3B3-04** High Selective Intermolecular Cycloadditions of Simple Olefins using NbCl₅ as Catalyst (Fac. Chem. Materials and Bioeng., Kansai Univ.) KAMEI, Motofumi; OBORA, Yasushi**3B3-05** Synthesis of bicyclo compounds from diynes catalyzed by low-valent niobium (Kansai Univ.) WATANABE, Keisuke; SATOH, Yasushi; KAMEI, Motofumi; OBORA, Yasushi**3B3-06** Nb-catalyzed olefin metathesis reaction (Fac. Chem. Materials and Bioeng., Kansai Univ.) CHIWATA, Jintaro; OZAKI, Makoto; OBORA, Yasushi

V, Bi, Te, Ga

Chair: OBORA, Yasushi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3B3-08, 3B3-09, 3B3-10, 3B3-11, 3B3-12, 3B3-13)

3B3-08 Enantioselective C-C Bond Forming Reactions Using Vanadium(V) Complexes (ISIR, Osaka Univ.; School of Pharmacy, Iwate Med. Univ.) TAKIZAWA, Shinobu; TSUJIHARA, Tetsuya; KODERA, Junpei; AKITA, Mitsutoshi; YOSHIDA, Yasushi; SAKO, Makoto; DOI, Takahiro; HATANAKA, Minoru; SASAI, Hiroaki**3B3-09** Oxidative Cross-Coupling of Enolates Induced by Oxovanadium(V) (Grad. Sch. Eng., Osaka Univ.; JST ACT-C) AMAYA, Toru; MAEGAWA, Yusuke; MASUDA, Takaya; HIRAO, Toshikazu**3B3-10** Bismuth-Catalyzed Cyclization and Aromatization Using Vinyl Ethers (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) HOSOKAWA, Naoki; MURAI, Masahito; TAKAI, Kazuhiko**3B3-11** Bismuth-Catalyzed Nucleophilic Substitution of Phenolic Hydroxyl Groups with Dehydration (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ORIGUCHI, Kazuki; MURAI, Masahito; TAKAI, Kazuhiko**3B3-12** Generation of Carbonyllithiums and their Trapping by Electrophiles Using Microreactor (Grad. Sch. Eng., Osaka Univ.) MUGURUMA, Tomo; YANAGAWA, Yusuke; KITAURA, Takeshi; IWASAKI, Takanori; KUNIYASU, Hitoshi; KAMBE, Nobuaki**3B3-13** Three-component Reaction of Esters with Silyl Cyanide and Ketene Silyl Acetals Catalyzed by Gallium Trihalides (Grad. Sch. Eng., Osaka Univ.) INAMOTO, Yoshihiro; KAGA, Yuta; NISHIMOTO, Yoshihiro; YASUDA, Makoto; BABA, Akio

In

Chair: MURAI, Masahito (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3B3-15, 3B3-16, 3B3-17, 3B3-18, 3B3-19, 3B3-20)

3B3-15 Indium-catalyzed [2+2] Cycloaddition Reaction of Allylsilanes with β -Silylones (Grad. Sch. Eng., Kyoto Univ.) OKAMOTO, Kazuhiro; TAMURA, Eisuke; OHE, Kouichi**3B3-16** Indium-Catalyzed Reduction of Organic Halides with Sodium Formate (Fac. Eng., Saitama Univ.) MAKINO, Yohei; KINOSHITA, Hidenori; MIURA, Katsukiyo**3B3-17** Indium-Catalyzed Reductive One-pot Synthesis from Carboxylic Acids to Aliphatic Nitriles (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) SHOUJI, Kohei; MORIYA, Toshimitu; KONAKAHARA, Takeo; SAKAI, Norio**3B3-18** Indium-Catalyzed Synthesis of Heteroarylamines through Nucleophilic Aromatic Substitution (Sch. Sci. Eng., Meiji Univ.) TSUCHIMOTO, Tesuhisa; YOSHIMURA, Yasuhiro; KATSUMATA, Toshiyuki**3B3-19** The synthesis and photochemical reaction of α -phenylsulfonyl organoindium porphyrin complexes (Nagoya Inst. of Tech. Graduate School of Engineering) MURAYAMA, Keito; HIRASHITA, Tsunehisa; ARAKI, Shuki

3B3-20 Preparation and reaction of allylic indium reagents in ionic liquids (Nagoya Inst. of Tech. Graduate School of Engineering) TAKAGI, Yuji; TAKAHASHI, Fusako; HIRASHITA, Tsunehisa; ARAKI, Shuki

Saturday, March 29, PM

Rh

Chair: ISHIDA, Naoki (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3B3-28, 3B3-29, 3B3-30, 3B3-31, 3B3-32, 3B3-33)
- 3B3-28** Rhodium(III)-Catalyzed [2 + 2 + 2] Cycloaddition Using Maleic Anhydrides as an Alkyne Equivalent (Fac. Sci., Tokyo Univ. of Sci.) SUZUKI, Kentaro; MATSUDA, Takanori
- 3B3-29** Enantioselective Cyclocarbonylation Reactions of Enynes Using Formaldehyde as a Carbonyl Source under Mild Conditions by Dual Rhodium Catalyses (Grad. Sch. Mat. Sci., NAIST) MORIMOTO, Tsumoru; FURUSAWA, Takuma; KAKIUCHI, Kiyomi; JEONG, Nakcheol
- 3B3-30**[#] Rh(I)-Catalyzed Arylative Double-Carbonylation of Alkynes with Arylboronic Acids Using Formaldehyde as a CO Source (Grad. Sch. Mat. Sci., NAIST) MORIMOTO, Tsumoru; WANG, Chuang; KAKIUCHI, Kiyomi; ARTOK, Levent
- 3B3-31** Rhodium-Catalyzed Reaction of Aromatic Amides with α, β -Unsaturated Carbonyl Compounds Using Bidentate Directing Group (Grad. Sch. Eng., Osaka Univ.) SHIBATA, Kaname; CHATANI, Naoto
- 3B3-32** Rhodium-Catalyzed Direct Silylation of Pyridines with Hydrosilanes at the 3-Position (Grad. Sch. Eng., Osaka Univ.) FUKUMOTO, Yoshiya; HIRANO, Masaya; CHATANI, Naoto
- 3B3-33** Rhodium-Catalyzed Reaction of Terminal Alkynes with Hydrosilanes and Isocyanides Leading to α -Silylmethyl- α, β -Unsaturated Imines (Grad. Sch. Eng., Osaka Univ.) FUKUMOTO, Yoshiya; SHIMIZU, Hiroto; CHATANI, Naoto

Chair: MORIMOTO, Tsumoru (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3B3-35, 3B3-37, 3B3-38, 3B3-39)
- 3B3-35**^{*} Rhodium-catalyzed addition-elimination reaction of arylaluminum reagents to vinylarenes (Grad. Sch. Eng., Kobe Univ.) TANAKA, Shota; ITAMI, Kazuki; TATSUTA, Go; MORI, Atsunori
- 3B3-37** Stereoselective 1,2-Diamination Reaction of Terminal Alkynes via Triazoles. (Grad. Sch. Eng., Kyoto Univ.) NAKAMURO, Takayuki; MIURA, Tomoya; MURAKAMI, Masahiro
- 3B3-38** Rhodium-Catalyzed Site-Selective Insertion of Electron-Deficient Alkenes into C(sp²)-C(sp³) Bonds of Benzocyclobutenols (Grad. Sch. Eng., Kyoto Univ.) ISHIKAWA, Norikazu; SAWANO, Shota; ISHIDA, Naoki; MURAKAMI, Masahiro
- 3B3-39**^{*} Stereospecific Construction of Planar Chirality through C-C Bond Cleavage (Grad. Sch. Eng., Kyoto Univ.) SAWANO, Shota; ISHIDA, Naoki; MURAKAMI, Masahiro

Chair: LI, Guangzhe (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3B3-42, 3B3-43, 3B3-44, 3B3-45, 3B3-46, 3B3-47)
- 3B3-42** Synthesis of *N*-Acyl- α -amino Ketones from Terminal Alkynes, Azides and Carboxylic Acids via *N*-Sulfonyl-1,2,3-triazoles. (Grad. Sch. Eng., Kyoto Univ.) FUNAKOSHI, Yuuta; FUJII, Tetsuji; MIURA, Tomoya; MURAKAMI, Masahiro
- 3B3-43** One-pot Stereoselective Synthesis of 2,3-Dihydropyrroles Starting from Terminal Alkynes, Azides, and α, β -Unsaturated Aldehydes (Grad. Sch. Eng., Kyoto Univ.) TANAKA, Takamasa; HIRAGA, Kentaro; STEWART, Scott; MIURA, Tomoya; MURAKAMI, Masahiro
- 3B3-44** One-pot Synthesis of 2,5-Dihydropyrroles Starting from Terminal Alkynes, Azides, and Propargyl Alcohols (Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Kohei; TANAKA, Takamasa; MIURA, Tomoya; MURAKAMI, Masahiro
- 3B3-45** Rhodium-Catalyzed Skeletal Reorganization of 1-Aryl-3-(2-pyridylmethylene)cyclobutanes (Fac. Sci., Tokyo Univ. of Sci.) MATSUDA, Takanori; YUIHARA, Itaru
- 3B3-46** Rhodium-Catalyzed Polymerization of 3-Arylcyclopropenes (Grad. Sch. Eng., The Univ. of Tokyo) IINO, Ryo; SHINTANI, Ryo; KYOKO, Nozaki
- 3B3-47** Rhodium-Catalyzed Asymmetric Synthesis of Silicon-Stereogenic Dibenzosiloles (Grad. Sch. Eng., The Univ. of Tokyo; Grad. Sch. Sci., Kyoto Univ.) TAKAGI, Chihiro; ITO, Tomoaki; SHINTANI, Ryo; NOZAKI, Kyoko

Chair: MATSUDA, Takanori (17 : 00~17 : 40)

- * 16:50-17:00: interval for laptop PC connection.(3B3-49, 3B3-50, 3B3-51, 3B3-52)
- 3B3-49** Rhodium-catalyzed sulfur addition reaction to norbornene derivatives (Grad. Sch. Pharm. Sci., Tohoku Univ.) ICHIKAWA, Takuya; ARISAWA, Mieko; YAMAGUCHI, Masahiko
- 3B3-50** Pd-catalyzed addition reaction of acid anhydride to norbornadiene (Grad. Sch. Pharm. Sci., Tohoku Univ.) TANII, Saori; ARISAWA, Mieko; YAMAGUCHI, Masahiko

- 3B3-51** Synthesis of Dibenzogermoles via Activation of Ge-H and C-H Bonds under Rhodium Catalysis (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MATSUMOTO, Koji; OKADA, Ryo; MURAI, Masahito; TAKAI, Kazuhiko
- 3B3-52** Rhodium-Catalyzed Cross-Coupling of Vinyl Ethers with Aryl Grignard Reagents (Grad. Sch. Eng., Osaka Univ.) AKIMOTO, Ryo; MIYATA, Yoshinori; IWASAKI, Takanori; KUNIYASU, Hitoshi; KAMBE, Nobuaki

Sunday, March 30, AM

Sr

Chair: KITA, Yusuke (9 : 10 ~ 10 : 00)

- * 9:00-9:10: interval for laptop PC connection.(4B3-02, 4B3-03, 4B3-04, 4B3-05, 4B3-06)
- 4B3-02** Development of new synthetic method by using metallic strontium and azo compounds.-Alkylation of azo compounds and a formation of new reactive intermediates- (Fac. Integrated Arts Sci., The Univ. of Tokushima) KITAKATA, Saki; KUNII, Hiroshi; MIYAZAKI, Yasuaki; YAMAGUCHI, Yuka; KUBO, Shigeki; OHMURA, Satoshi; MIYOSHI, Norikazu
- 4B3-03** Development and Application of More Effective Sr-mediated Alkylation of Carbonyl Compounds Compared with Grignard Method (Fac. Integrated Arts Sci., The Univ. of Tokushima) YAMAGUCHI, Yuka; MIYAZAKI, Yasuaki; KANEHIRO, Daisuke; KITAKATA, Saki; KUBO, Shigeki; OHMURA, Satoshi; MIYOSHI, Norikazu
- 4B3-04** The convenient synthesis of silyl ethers of bulky alcohols with bulky silyl chlorides using strontium (Fac. Integrated Arts Sci., The Univ. of Tokushima) KUBO, Shigeki; MIYAZAKI, Yasuaki; YAMAGUCHI, Yuka; KITAKATA, Saki; OHMURA, Satoshi; MIYOSHI, Norikazu

Ba

- 4B3-05** α -Allylation of Ketimines Using Allylic Barium Reagents Derived from Metallic Barium (Grad. Sch. Sci., Chiba Univ.) YAMAFUJI, Seiya; SAWAE, Toshiki; YANAGISAWA, Akira

Y

- 4B3-06** Yttrium Reagent-mediated Selective Coupling Reaction of Pyridines at Their 4-Position with Styrenes (Grad. Sch. Biosci. Biotech., Tokyo Tech) MIZUMORI, Tomoya; HATA, Takeshi; URABE, Hirokazu

Sc

Chair: MIYOSHI, Norikazu (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4B3-08, 4B3-10, 4B3-12, 4B3-13)
- 4B3-08**^{*} Combined Catalytic System of Scandium Triflate and Boronic Ester for Amide Bond Cleavage (Grad. Sch. Eng. Sci., Osaka Univ.) NISHII, Yuji; ONOUE, Akihiro; KITA, Yusuke; MASHIMA, Kazushi
- 4B3-10**[#] Scandium-Catalyzed Enantioselective C-H Alkylation of Pyridines (RIKEN Organometallic Chemistry Lab) SONG, Guoyong; HOU, Zhaomin

Sn

- 4B3-12** Hydrostannation of Dienes and Vinylcyclopropanes by Using Dibutylindotin Hydride (Grad. Sch. Eng., Osaka Univ.) IEKI, Ryosuke; SHIBATA, Ikuya
- 4B3-13** Tin -Catalyzed Cycloaddition of Cyclopropane Derivatives (Sch. Eng., Osaka Univ.) MARUOKA, Yoshiaki; SHIBATA, Ikuya

Room B4
E&S Bldg. ES022

**Organic Chemistry -Reaction and Synthesis-
Metallo-organic Chemistry**

Thursday, March 27, AM

Pd

Chair: ONODERA, Gen (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1B4-01, 1B4-03, 1B4-04, 1B4-05)
- 1B4-01**[#] Palladium-catalyzed One-shot Aromatic π -Extension of Polycyclic Aromatic Hydrocarbons (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) OZAKI, Kyohei; KAWASUMI, Katsuaki; ITO, Hideto; ITAMI, Kenichiro
- 1B4-03** Pd-Catalyzed C-H and C-N Arylation of Aminothiazoles (Grad. Sch.

- Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) UEHARA, Takahiro; YAMAGUCHI, Junichiro; ITAMI, Kenichiro
- 1B4-04** Palladium-Catalyzed Tandem Cycloisomerization/Hydrosilylation of 1,*n*-Dienes via Chain-Walking (Fac. Sci. Tech., Keio Univ.) ICHINOSE, Kazuya; HAMASAKI, Tarō; KAKIUCHI, Fumitoshi; KOCHI, Takuya
- 1B4-05^{##}** Synthesis of Cyclic Compounds by Cycloisomerization of Various 1,*n*-Dienes via Chain Walking (Fac. Sci. Tech., Keio Univ.) HAMASAKI, Tarō; KAKIUCHI, Fumitoshi; KOCHI, Takuya

Chair: YAMAGUCHI, Junichiro (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1B4-08, 1B4-09, 1B4-11, 1B4-13)
- 1B4-08** Palladium-Catalyzed Synthesis of Heteroatom-Containing π -Conjugated Molecules by Intramolecular Oxidative C-H/C-H Coupling Reaction (Grad. Sch. Pharm., The Univ. of Tokyo; The Univ. of Tokyo ERATO-JST) SAITO, Kenta; KANAI, Motomu; KUNINOBU, Yoichiro
- 1B4-09*** C-H selective arylation of azoles using bromine as a protecting group (Fac. Eng., Gifu Univ.) YAMAUCHI, Takayuki; SHIBAHARA, Fumitoshi; MUARAI, Toshiaki
- 1B4-11*** Mechanistic Study of Palladium(II)-Catalyzed Direct Carboxylation of Alkenyl C-H Bond with CO₂ (Grad. Sch. Sci., Eng., Tokyo Tech) SASANO, Kota; TAKAYA, Jun; IWASAWA, Nobuharu
- 1B4-13** Palladium-Catalyzed Direct C-Allylation of Trihydroxybenzene (Nagasaki Univ. Grad. Sch. Eng.) HIRATA, Goki; YAMADA, Naoshi; ONODERA, Gen; KIMURA, Masanari

Chair: TAKENAKA, Kazuhiro (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(1B4-15, 1B4-16, 1B4-18, 1B4-20)
- 1B4-15** Palladium-Catalyzed Direct Selenation of Aryl C-H Bonds with Diselenides (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Aichi Univ. of Educ. Dep. of Chem.) TSUCHIYA, Yuta; IWASAKI, Masayuki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi
- 1B4-16^{##}** Palladium-Catalyzed Regioselective C-H Fluorosilylation of 2-Phenylpyridines: Synthesis of Silafluorene Equivalents (Grad. Sch. Pharm., The Univ. of Tokyo; The Univ. of Tokyo ERATO-JST) XIAO, Qing; MENG, Xiangtai; KANAI, Motomu; KUNINOBU, Yoichiro
- 1B4-18^{##}** Palladium-catalyzed Silylation and Germanylation of C(sp²)-H and C(sp³)-H Bonds (Grad. Sch. Pharm., The Univ. of Tokyo) KANYIVA, Stephen-kyalo; KUNINOBU, Yoichiro; KANAI, Motomu
- 1B4-20** Synthesis of Alkylated Phenanthro[1,2-b:8,7-b']dithiophenes and Their Application to Organic Field-Effect Transistors (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; JST ACT-C) HYODO, Keita; MORI, Hiroki; NISHINAGA, Shuhei; NISHIHARA, Yasushi

Thursday, March 27, PM

Rh

Chair: SASAI, Hiroaki (13 : 40~14 : 40)

- * 13:30-13:40: interval for laptop PC connection.(1B4-29, 1B4-32)
- 1B4-29** Young Scholar Lectures of CSJ Development of Efficient Transformations Starting from Terminal Alkynes (Grad. Sch. Eng., Kyoto Univ.) MIURA, Tomoya

Pd

- 1B4-32** Young Scholar Lectures of CSJ Development of New Synthetic Reactions Catalyzed by a New Transition Metal Complex Featuring Fluxional Behavior of a Silyl-Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAYA, Jun

Chair: SEGAWA, Yasutomo (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(1B4-49, 1B4-50, 1B4-51, 1B4-52, 1B4-53, 1B4-54)
- 1B4-49** Pd-Catalyzed Oxidative Transformation of Primary Alcohols to Aldehydes and Esters (Grad. Sch. Eng., Nagasaki Univ.) MUKAI, Asuka; MORI, Takamichi; ONODERA, Gen; KIMURA, Masanari
- 1B4-50** Palladium-Catalyzed Amphiphilic Allylation of Nitriles (Grad. Sch. Eng., Nagasaki Univ.) YAMADA, Naoshi; HIRATA, Goki; ONODERA, Gen; KIMURA, Masanari
- 1B4-51** Palladium-Catalyzed Oxidative Cyclization of Enynes (Fac. Sci., Kochi Univ.) NAKANO, Keiji; HIKICHI, Naho; OKADA, Yuki
- 1B4-52** Pd-catalyzed Macrocyclization of 1,2-Diazonaphthoquinones and cyclic ethers. (KIT Graduate School of Engineering) KANEMURA, Koichi; KISANUKI, Masato; OKAUCHI, Tatsuo; KITAMURA, Mitsuru
- 1B4-53** Direct Intramolecular Arylation using Pd Catalyst bearing Electron-poor Ligand (Fac. Eng., Iwate Univ.) KORENAGA, Toshinobu; SUZUKI, Noriki; SHIMADA, Kazuaki
- 1B4-54** Study on Palladium-Catalyzed Direct C5 Arylation of Isoxazoles (ISIR, Osaka Univ.) SHIGENOBU, Masashi; TAKENAKA, Kazuhiro; SASAI, Hiroaki

Friday, March 28, AM

Ir

Chair: YAMAMOTO, Yasunori (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2B4-01, 2B4-02, 2B4-03, 2B4-04, 2B4-05, 2B4-06)
- 2B4-01** Iridium-Catalyzed Annulation of Salicylimines with 1,3-Dienes (Grad. Sch. Sci., Kyoto Univ.) EBE, Yusuke; NISHIMURA, Takahiro
- 2B4-02** Iridium-Catalyzed Annulation of α -Oxocarboxylic Acids with 1,3-Dienes (Grad. Sch. Sci., Kyoto Univ.) EBE, Yusuke; HASHIZUME, Minoru; NISHIMURA, Takahiro
- 2B4-03** Synthesis of Novel Water-Soluble Iridium Complexes Bearing a Functional N-Heterocyclic Carbene Ligand and Dehydrogenative Oxidation of Alcohols Catalyzed by the Complexes (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) TAMURA, Ryuichi; FUJITA, Ken-ichi; YAMAGUCHI, Ryohei
- 2B4-04** Iridium-catalyzed [3 + 2] annulation of aromatic aldimines with 1,3-dienes via C-H activation (Grad. Sch. Sci., Kyoto Univ.) EBE, Yusuke; HATANO, Miyuki; NISHIMURA, Takahiro
- 2B4-05** Cationic Iridium-Catalyzed [3 + 2] Annulation of Aromatic Imines with Alkynes via C-H Activation (Grad. Sch. Sci., Kyoto Univ.) NAGAMOTO, Midori; NISHIMURA, Takahiro
- 2B4-06** Synthesis of Novel Iridium Complexes Bearing Functional Bipyridinate Ligands and Their Catalytic Activity in Dehydrogenative Reactions (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) SHIRAI, Shiraishi, Takumi; NAKAUE, Tsubasa; FUJITA, Ken-ichi; YAMAGUCHI, Ryohei

Chair: FUJITA, Ken-ichi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2B4-08, 2B4-09, 2B4-10, 2B4-12, 2B4-13)
- 2B4-08** Iridium-Catalyzed Regioselective C-H Borylation of Functionalized Heteroarenes Controlled by Chelation and Steric Effect (Sch. Eng., Hokkaido Univ.) TAGUCHI, Jumpei; SASAKI, Ikuo; HIRAKI, Shotaro; ITO, Hajime; ISHIYAMA, Tatsuo
- 2B4-09** Imine-Directed Regioselective C-H Borylation of Heteroaromatic Aldimines Catalyzed by Iridium Complexes (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) AMOU, Tatsunosuke; OBA, Akihisa; SASAKI, Ikuo; ITO, Hajime; ISHIYAMA, Tatsuo
- 2B4-10*** Cationic Ir/Me-BIPAM-Catalyzed Asymmetric Intramolecular Direct Hydroarylation of α -Keto Amides (Grad. Sch. Eng., Hokkaido Univ.; Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Hokkaido Univ. frontier chemistry center) SHIRAI, Tomohiko; ITO, Hajime; YAMAMOTO, Yasunori
- 2B4-12[#]** Synthesis of Triarylboranes via Iridium-Catalyzed C-H Borylation (Grad. Fac. Eng., Hokkaido Univ.) SASAKI, Ikuo; ISHIYAMA, Tatsuo; ITOU, Hajime
- 2B4-13** Synthesis of Arylcyclopropylamines by C-H Activation (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) MIYAMURA, Shin; YAMAGUCHI, Junichiro; ITAMI, Kenichiro

Chair: ITO, Hajime (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2B4-15, 2B4-16, 2B4-18)
- 2B4-15** Development of Highly Reactive Ir(III)-PNP Complex Catalysts for Hydrogenation of Carbon Dioxide under Organic Base Condition (Grad. Sch. Eng., The Univ. of Tokyo) AOKI, Wataru; WATTANAVININ, Natdanai; KUSUMOTO, Shuhei; NOZAKI, Kyoko
- 2B4-16^{##}** Synthesis and Catalytic Function of Hydroxycyclopentadienyl Iridium Complex (Grad. Sch. Eng., The Univ. of Tokyo) KUSUMOTO, Shuhei; AKIYAMA, Midori; NOZAKI, Kyoko
- 2B4-18** Young Scholar Lectures of CSJ Visible-Light-Mediated Transformation of Nitrogen-Containing Compounds Based on Control of Single Electron Transfer Process (Grad. Sch. Eng., Nagoya Univ.) MIYAKE, Yoshihiro

Friday, March 28, PM

Pd

Chair: FUJIHARA, Tetsuaki (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2B4-28, 2B4-30, 2B4-31, 2B4-32, 2B4-33)
- 2B4-28^{##}** Modular Synthesis of Triarylmethanes through Palladium-Catalyzed Sequential Arylation of Methyl Phenyl Sulfone (WPI-ITbM, Nagoya Univ.) NAMBO, Masakazu; CRUDDEN, Cathleen M.
- 2B4-30** Allylic Arylation of Allyloxyphenylboronic Acid Pinacol Esters Using Hydrazone-Palladium Catalyst (Grad. Sch. Eng., Chiba Univ.) MINO, Takashi; WATANABE, Kohei; KOGURE, Taketo; ABE, Taichi; SAKAMOTO, Masami
- 2B4-31** Synthesis of β -Keto Esters from α -Iodo Carbonyl Esters, CO, and Arylboronic Acids in the Presence of Pd Catalyst. (Grad. Sch. Sci., Osaka Pref. Univ.) SUMINO, Shuhei; UI, Takahito; RYU, Ilhyong
- 2B4-32[#]** Synthetic Applications of α -(Acylamino)alkylboronic Esters: Control of Stereochemical Course in Catalytic Construction of Stereogenic Carbon Centers (Grad. Sch. Eng., Kyoto Univ.) OHMURA, Toshimichi; MIWA,

Kyoko; SUGINOME, Michinori

- 2B4-33** Consecutive Suzuki-Miyaura Cross Coupling of Diborylmethane as C1 Source and Heteroaryl Bromides (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ISHIOKA, Takafumi; ENDO, Kohei; SHIBATA, Takanori

Chair: OHMURA, Toshimichi (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2B4-35, 2B4-36, 2B4-37, 2B4-38, 2B4-39, 2B4-40)
- 2B4-35** Palladium-catalyzed arylation of allenes employing acid chlorides and aryl boronic acids. (Grad. Sch. Eng., Kyoto Univ.) TATSUMI, Kenta; FUJIHARA, Tetsuaki; TERAU, Jun; TSUJI, Yasushi
- 2B4-36** Various C-C Bond Forming Reactions of Bulky Aryl Halides with Arylboronic Acids through Sterically Congested Arylpalladium Intermediate (Fac. Eng., Niigata Univ.; Grad. Sch. Sci. and Technol., Niigata Univ.) HOSHI, Takashi; HONMA, Tomonobu; KONISHI, Maki; SUZUKI, Toshio; HAGIWARA, Hisahiro
- 2B4-37** NHC/Pd-catalyzed Regioselective and Stereospecific Cross-Coupling Reaction of 2-Arylaziridines with Arylboronic Acids: Asymmetric Synthesis of 2-Arylphenethylamine Derivatives (Grad. Sch. Eng., Osaka Univ.) TAKEDA, Youhei; KURODA, Akinobu; MINAKATA, Satoshi
- 2B4-38** Pd-catalyzed Regioselective Borylative Ring Opening of 2-Arylaziridines (Grad. Sch. Eng., Osaka Univ.) TAKEDA, Youhei; TANAKA, Shino; MINAKATA, Satoshi
- 2B4-39** Pd-based metallic glass nanowire as an effective catalyst for Suzuki-coupling reaction (WPI-AIMR, Tohoku Univ.) EMURA, Natsuko; YAGINUMA, Shin; NAKAYAMA, Koji; ASAO, Naoki
- 2B4-40** NHC-Ligated Palladium-Catalyzed Negishi Coupling involving C-S Bond Cleavage (Grad. Sch. Sci., Kyoto Univ.) OTSUKA, Shinya; FUJINO, Daishi; YORIMITSU, Hideki; OSUKA, Atsuhiko

Chair: ISHIDA, Naoki (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(2B4-42, 2B4-43, 2B4-44, 2B4-45, 2B4-46, 2B4-47)
- 2B4-42** Palladium-catalyzed amination reactions of aryl sulfides (Grad. Sch. Sci., Kyoto Univ.) SUGAHARA, Tomohiro; MURAKAMI, Kei; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 2B4-43** New Synthesis of HOMSi reagents through Pd/Cu-catalyzed silylation of bromoarenes using disilanes (Grad. Sch. Sci. Eng., Chuo Univ.) TSURUOKA, Chisato; MINAMI, Yasunori; SHIMIZU, Kenta; KOMIYAMA, Takeshi; HIYAMA, Tamejiro
- 2B4-44** Synthesis of HOMSi Reagents by Ir-Catalyzed C-H Silylation of Heteroarenes with hydrosilanes (Fac. Sci. Eng., Chuo Univ.) KOMIYAMA, Takeshi; MINAMI, Yasunori; HIYAMA, Tamejiro
- 2B4-45** Palladium-Catalyzed Silylation of Aryl Chlorides with Silylsilatrane (Grad. Sch. Sci., Kyoto Univ.) YAMAMOTO, Yutaro; MURAKAMI, Kei; MATSUBARA, Hiroshi; YORIMITSU, Hideki; OSUKA, Atsuhiko
- 2B4-46** Palladium-catalyzed double etherification of 2-fluoro allyl acetates (Grad. Sch. Integrated Basic Sci., Nihon Univ.) WATANABE, Hirotsuka; NOMADA, Eito; YAMAMOTO, Mitsuaki; MINAKAWA, Maki; KAWATSURA, Motoi
- 2B4-47** Palladium-catalyzed amination of fluorine containing allylic acetates with the construction of trifluoromethyl group. (Grad. Sch. Integrated Basic Sci., Nihon Univ.) ISA, Kazuki; MINAKAWA, Maki; KAWATSURA, Motoi

Chair: MINAMI, Yasunori (17 : 00~17 : 30)

- * 16:50-17:00: interval for laptop PC connection.(2B4-49, 2B4-50, 2B4-51)
- 2B4-49[#]** Synthesis of Methoxy-Substituted Pienes and Effects of Their Position on Single Crystal Structures (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Aichi Univ. of Educ. Dept. of Chem.; JST ACT-C) CHEN, Xi-chao; CHANG, Ning-hui; MORI, Hiroki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi
- 2B4-50** Palladium-Catalyzed Phosphonocarbonylation of Aryl Iodides (Grad. Sch. Eng., Kyoto Univ.) MASUDA, Yuusuke; ISHIDA, Naoki; MURAKAMI, Masahiro
- 2B4-51** Giese Reaction Catalyzed by Pd under Photoirradiation (Grad. Sch. Sci., Osaka Pref. Univ.) SUMINO, Shuhei; RYU, Ilhyong

Saturday, March 29, AM

Chair: HAYASHI, Minoru (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3B4-01, 3B4-02, 3B4-03, 3B4-04, 3B4-05, 3B4-06)
- 3B4-01** DMF-Protected Palladium Nanoclusters Catalyzed Synthesis of 2,3-Disubstituted Indoles (Fac. Chem. Materials and Bioeng., Kansai Univ.) OIKAWA, Kei; YANO, Hiroki; OBORA, Yasushi
- 3B4-02** Palladium-Catalyzed Transformation of Isoxazol-5(4H)-ones Having a Furan Moiety (Grad. Sch. Eng., Kyoto Univ.) OKAMOTO, Kazuhiro; SHIMBAYASHI, Takuya; OHE, Kouichi
- 3B4-03[#]** An Improvement of Palladium Catalyst for the [4+2] Cycloaddition of *o*-(Silylmethyl)benzyl Carbonate with Alkenes (Fac. Sci., Kyushu Univ.) JIN, Yushu; ISHIZUKA, Kentaro; KUWANO, Ryoichi
- 3B4-04** Palladium-Catalyzed Coupling Reaction of Acid Chlorides with Terminal Acetylenes Using Electron-Withdrawing Perfluoroalkylated Phosphine Ligand (Grad. Sch. Eng., Osaka Pref. Univ.) MINAMIDA, Yoshiaki;

KAWAGUCHI, Shin-ichi; OGAWA, Akiya

- 3B4-05** Silica Gel- or FeCl₃-Mediated Convenient Synthesis of Bromobenzoate Derivatives and Its Application (Grad. Sch. Eng., Osaka Pref. Univ.) HAYAGANE, Naoya; SONODA, Motohiro; SHINOHARA, Hiroyuki; KITA, Shota; OGAWA, Akiya
- 3B4-06** One-Pot Synthesis of Substituted Alkenes via Hydroiodination of Alkynes and Pd-Catalyzed Cross-Coupling Reaction (Grad. Sch. Eng., Osaka Pref. Univ.) GONDA, Yuhei; KAWAGUCHI, Shin-ichi; SONODA, Motohiro; OGAWA, Akiya

Chair: SONODA, Motohiro (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3B4-08, 3B4-09, 3B4-10, 3B4-11, 3B4-12, 3B4-13)
- 3B4-08** Synthesis of novel palladacycles and their application in catalytic reactions (SCRI) YAMAMOTO, Tetsuya; YAMAKAWA, Tetsu
- 3B4-09** Development of Threefold Cross-Linked Amphiphilic Polymer-Phosphine Hybrids and Its Application to Pd-Catalyzed Cross-Coupling in Water (Grad. Sch. Sci., Hokkaido Univ.) SHIMADA, Hajime; HARADA, Tomoya; IWAI, Tomohiro; SAWAMURA, Masaya
- 3B4-10** Synthesis and Application of Axially Chiral Aminophosphines with *t*-Butyl Group (Grad. Sch. Eng., Chiba Univ.; CAI, Chiba Univ.) MINO, Takashi; ASAKAWA, Minato; YAMADA, Haruka; YAGISHITA, Fumitoshi; SAKAMOTO, Masami
- 3B4-11** Substituent Effect of SPRIX Ligands on Their Asymmetric Induction Ability (ISIR, Osaka Univ.) LIN, Xianjin; TAKENAKA, Kazuhiro; SASAI, Hiroaki
- 3B4-12** Asymmetric Synthesis of Planar-Chiral Phosphine Ligands with [n] paracyclophane Scaffold and application for the Asymmetric Coupling (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) OSHIMA, Shoya; SHIZUNO, Tsubasa; FUKAI, Miku; KANDA, Kazumasa; SHIBATA, Takanori
- 3B4-13** Enantioselective synthesis of chiral spiro compounds and their application to organocatalysis (ISIR, Osaka Univ.) TAKEUCHI, Yoshiki; FAN, Lulu; TAKIZAWA, Shinobu; SASAI, Hiroaki

Chair: KOIKE, Takashi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3B4-15, 3B4-16, 3B4-17, 3B4-19)
- 3B4-15** Synthesis of *P*-Chiral Phosphines via Pd-Catalyzed P-C Cross-Coupling Reaction (Grad. Sch. Sci., Eng., Ehime Univ.) NAKASHIMA, Yoshiki; KAYAHARA, Kento; TANAKA, Ippei; WATANABE, Yutaka; OHTA, Hidetoshi; HAYASHI, Minoru
- 3B4-16** Versatile synthesis of tertiary phosphines via Pd-catalyzed successive coupling reactions (Grad. Sch. Sci., Eng., Ehime Univ.) KIKUCHI, Hiroki; TANAKA, Ippei; WATANABE, Yutaka; OHTA, Hidetoshi; HAYASHI, Minoru
- 3B4-17^{*}** Asymmetric Suzuki-Miyaura Cross-Coupling Using Helical Polymer Ligand PQXphos: Switch of Enantioselection by Temperature-Dependent Helix Inversion (Grad. Sch. Eng., Kyoto Univ.) AKAI, Yuto; YAMAMOTO, Takeshi; SUGINOME, Michinori
- 3B4-19[#]** Quantification of steric influence in palladium/alkylphosphine-sulfonate catalysts (Grad. Sch. Eng., The Univ. of Tokyo) OTA, Yusuke; ITO, Shingo; NOZAKI, Kyoko

Saturday, March 29, PM

Pd, Ir

Chair: NAGANAWA, Yuki (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3B4-28, 3B4-29, 3B4-30, 3B4-31, 3B4-32)
- 3B4-28** Pd-Catalyzed Cyclopropanation of Strained Alkenes with 3-Boryl-1-allyl Acetates (Fac. Eng., Univ. of Toyama) KOSHIBA, Ryoma; TAKAHASHI, Yu; HORINO, Yoshikazu; ABE, Hitoshi
- 3B4-29** Palladium-Catalyzed Three-Component Reaction of Allyl boranes, Alkyl Boranes, and Aldehyde: Stereoselective Synthesis of Homoallylic alcohols (Grad. Sch. Sci. Eng., Univ. of Toyama) TAKAHASHI, Yu; HORINO, Yoshikazu; ABE, Hitoshi
- 3B4-30** Ketotrifluoromethylation of Alkenes by Photoredox Catalysis (Chem. Res. Lab., Tokyo Tech) TOMITA, Ren; YASU, Yusuke; KOIKE, Takashi; AKITA, Munetaka
- 3B4-31[#]** Hydrothioalkylation of Electron-Deficient Alkenes by Photoredox Catalysis (Chem. Res. Lab., Tokyo Tech) LI, Yanjie; MIYAZAWA, Kazuki; KOIKE, Takashi; AKITA, Munetaka
- 3B4-32^{*}** Highly efficient and selective transfer deuteration using HCOOH in D₂O as a deuterium source (ETRI, AIST) HIMEDA, Yuichiro; WANG, Wanhui; MUCKERMAN, James T.; FUJITA, Etsuko

Ir

Chair: KURAHASHI, Takuya (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3B4-35, 3B4-36, 3B4-37, 3B4-38, 3B4-39, 3B4-40)
- 3B4-35** Stereoselective hydrosilylation of ketone catalyzed by in situ generated NHC-Ir species (Fac. Chem. Materials and Bioeng., Kansai Univ.) MANABE, Yoshiki; SAKAGUCHI, Satoshi

- 3B4-36** Asymmetric Hydrogenation of Multiple-substituted Pyridinium Salts Catalyzed by Dinuclear Iridium(III) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) HIDA, Shoji; IIMURO, Atsuhiko; KITA, Yusuke; MASHIMA, Kazushi
- 3B4-37** Catalytic Asymmetric Hydrogenation of Pyrimidines: Investigation of Substrate Scope and Mechanism (Grad. Sch. Sci., Kyushu Univ.) HASHIGUCHI, Yuta; ISHIZUKA, Kentaro; KUWANO, Ryoichi
- 3B4-38** Catalytic Asymmetric Hydrogenation of Isoxazolium Salts (Grad. Sch. Sci., Kyushu Univ.) IKEDA, Ryuhei; KUWANO, Ryoichi
- 3B4-39** Enantioselective construction of chiral silicon center via Ir catalyzed intramolecular asymmetric C-H silylation (Grad. Sch. Eng., Nagoya Univ.) NAMBA, Tomoya; NAGANAWA, Yuki; NISHIYAMA, Hisao
- 3B4-40** Enantioselective construction of chiral silicon center via Rh-catalyzed intramolecular asymmetric hydrosilylation (Sch. Eng., Nagoya Univ.) KAWAGISHI, Mayu; NANBA, Tomoya; NAGANAWA, Yuki; NISHIYAMA, Hisao

Chair: IWAI, Tomohiro (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3B4-42, 3B4-43, 3B4-44, 3B4-45, 3B4-46, 3B4-47)
- 3B4-42[#]** Utility of a Trimethylsilyl Group as an Equivalent of Hydroxyl Group: Synthesis of Alkanols via Iridium-Catalyzed C(sp³)-H Borylation (Grad. Sch. Eng., Kyoto Univ.) OHMURA, Toshimichi; TORIGOE, Takeru; SUGINOME, Michinori
- 3B4-43** Iridium-Catalyzed Dehydrogenative Silylation of Azulenes with Regioselective C-H Bond Activation (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) TAKAMI, Keishi; TAKESHIMA, Hirotaka; MURAI, Masahito; TAKAI, Kazuhiko
- 3B4-44** Synthesis of Allyl Ether via an Isomerization of Olefin Catalyzed by Cationic Iridium Complex (Fac. Eng., Nagasaki Univ.) SEIKE, Takanao; HIRATA, Goki; ONODERA, Gen; KIMURA, Masanari
- 3B4-45** Iridium-Catalyzed [2+2+2] Cycloaddition of α, ω -Diyne with Acylcyanides (Coll. Sci. Eng., Aoyama Gakuin Univ.) HASHIMOTO, Toru; KATO, Kaoru; NATORI, Tomoki; TAKEUCHI, Ryo
- 3B4-46** Iridium catalyzed regio- and stereoselective dimerization of alkynes (Grad. Sch. Eng., Kyoto Univ.) INAMI, Tasuku; KURAHASHI, Takuya; MATSUBARA, Seijiro
- 3B4-47** Rhodium porphyrin catalyzed cycloisomerization of enynes (Grad. Sch. Eng., Kyoto Univ.) HASEGAWA, Makoto; KURAHASHI, Takuya; MATSUBARA, Seijiro

Chair: OHMURA, Toshimichi (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(3B4-49, 3B4-50, 3B4-51, 3B4-52, 3B4-53, 3B4-54)
- 3B4-49** Ir(III)-Catalyzed C-H Bond Alkenylation of C2-Position of Indoles and C7-Position of Indolines (Sch. Advanced Sci. Eng., Waseda Univ.) WAKAKI, Takayuki; RYU, Naoto; PAN, Shiguang; SHIBATA, Takanori
- 3B4-50** Ir(I)-Catalyzed Synthesis of C7-Alkylindolines via C-H Bond Activation (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) RYU, Naoto; PAN, Shiguang
- 3B4-51** Site-selective Borylation of C(sp³)-H Bonds with Silica-supported Monophosphine-Ir Catalysts: Expansion of Directing Groups (Grad. Sch. Sci., Hokkaido Univ.) MURAKAMI, Ryo; IWAI, Tomohiro; SAWAMURA, Masaya
- 3B4-52** Regio- and Stereoselective C(sp³)-H Borylation of Small Ring Compounds with Silica-supported Monophosphine-Ir Catalysts (Grad. Sch. Sci., Hokkaido Univ.) TSUNODA, Kiyoshi; MURAKAMI, Ryo; IWAI, Tomohiro; SAWAMURA, Masaya
- 3B4-53** Enantioselective Synthesis of the Planar-Chiral Ferrocene Derivatives by Ir-Catalyzed C-H Alkylation (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) SHIZUNO, Tsubasa; SHIBATA, Takanori
- 3B4-54** Enantioselective Synthesis of γ -Amino Acid Derivatives via Catalytic C-H Bond Activation (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) YUZAWA, Shun; TAHARA, Yu-ki; SHIBATA, Takanori

Sunday, March 30, AM

Pd

Chair: SEMBA, Kazuhiko (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4B4-01, 4B4-02, 4B4-03, 4B4-04, 4B4-05)
- 4B4-01[#]** Pd-Catalyzed Cascade Crossover Annulation of α -Alkynylarylhalides and Diarylacetylenes Leading to Dibenzof[a,e]pentalenes (WPI-AIMR, Tohoku Univ.) ZHAO, Jian; ONIWA, Kazuaki; ASAO, Naoki; YAMAMOTO, Yoshinori; JIN, Tienan
- 4B4-02** Palladium-catalyzed cycloaddition of alkynyl aryl ethers with norbornene and its analogue (Fac. Sci. Eng., Chuo Univ.) KODAMA, Tatsuro; MINAMI, Yasunori; HIYAMA, Tamejiro
- 4B4-03** Palladium-catalyzed Intramolecular Hydroarylation of 2-Alkynoxy Biaryls via 2'-C-H Cleavage (Grad. Sch. Sci. Eng., Chuo Univ.) ANAMI, Tomohiro; MINAMI, Yasunori; YAMADA, Kotomi; HIYAMA, Tamejiro
- 4B4-04[#]** Enantioselective Palladium(II) Catalyzed Cyclization-Cycloaddition Cascade Reactions (ISIR, Osaka Univ.) ABOZEID, Mohamed; TAKIZAWA, Shinobu; SASAI, Hiroaki

- 4B4-05*** Palladium-catalyzed insertion of isocyanides to carbamochalcogenates (Grad. Sch. Eng., Osaka Univ.) SHIRO, Daisuke; FUJIWARA, Shin-ichi; TSUDA, Susumu; IWASAKI, Takanori; KUNYASU, Hitoshi; KAMBE, Nobuaki

Chair: MINAMI, Yasunori (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4B4-08, 4B4-10, 4B4-11, 4B4-12)
- 4B4-08*** Arylboration of Alkenes and Alkynes by Cooperative Palladium/Copper Catalysis (Grad. Sch. Eng., Kyoto Univ.) SEMBA, Kazuhiko; YOSHIZAWA, Megumi; NAKAO, Yoshiaki
- 4B4-10** Hydroarylation of Styrene Derivatives by Cooperative Palladium/Copper Catalysis (Grad. Sch. Eng., Kyoto Univ.) ARIYAMA, Kenta; SEMBA, Kazuhiko; NAKAO, Yoshiaki
- 4B4-11** Programmed Synthesis of Hexaarylbenzenes (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITBM; ERATO, JST) SUZUKI, Shin; SEGAWA, Yasutomo; YAMAGUCHI, Junichiro; ITAMI, Kenichiro
- 4B4-12*** Syntheses of Triphenylenes and Phenanthrenes by Palladium-Catalyzed Annulation of *o*-Iodobiphenyls or β -Iodostyrenes with *o*-Bromobenzyl Alcohols (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; JST ACT-C) IWASAKI, Masayuki; IINO, Shohei; NISHIHARA, Yasushi

Chair: OOHASHI, Masato (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4B4-15, 4B4-16, 4B4-17, 4B4-18, 4B4-19, 4B4-20)
- 4B4-15** Chemoselective Transfer Hydrogenation and Asymmetric Conjugate Addition Reaction Catalyzed by PCP Pincer-Pd Complexes (Shanghai Jiao Tong University; Nippon Chemical Industrial Co., Ltd.; Chiba Univ.) DING, Boqiang; ZHANG, Zhenfeng; XU, Yang; LIU, Yangang; SUGIYA, Masashi; IMAMOTO, Tsuneo; ZHANG, Wanbin
- 4B4-16** Synthesis of Difluoromethylbenzene Derivatives via Catalytic Intramolecular Insertion of Difluoroallenes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) WATANABE, Shumpei; FUCHIBE, Kohei; ICHIKAWA, Junji
- 4B4-17** Palladium-catalyzed allylic silylation of simple olefins with disilane (Fac. Chem. Materials and Bioeng., Kansai Univ.) MATSUI, Masaki; NAKAI, Syunji; SHIMIZU, Yosuke; OBORA, Yasushi
- 4B4-18** Palladium-catalyzed Dehydrogenative Coupling Reaction of Terminal Alkynes with Alkenes (Grad. Sch. Eng., Kyoto Univ.) YADA, Akira; NISHI, Shoki; MURAKAMI, Masahiro
- 4B4-19[#]** *PGeP*-Palladium Complex-Catalyzed Hydrocarboxylation of Allenes with Formate (Grad. Sch. Sci., Eng., Tokyo Tech) ZHU, Chuan; SASANO, Kota; TAKAYA, Jun; IWASAWA, Nobuharu
- 4B4-20** Synthesis of primary allylic alcohols from terminal alkenes by palladium catalysts utilizing H₂O as nucleophilic reagent (Grad. Sch. Sci., Kyushu Univ.) MANTANI, Kohei; ZHANG, Zhenzhong; TOMITA, Ren; ISHIDA, Tamao; HAMASAKI, Akiyuki; TOKUNAGA, Makoto

Room B5

E&S Bldg. ES024

Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds

Thursday, March 27, AM

Chair: NAKAHODO, Tsukasa (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1B5-01, 1B5-02, 1B5-03, 1B5-04, 1B5-05, 1B5-06)
- 1B5-01** Synthesis and Photophysical Properties of 5-Arylaminothiazoles with a Range of Substituents at 4-Position via Thioamide Dianions. (Fac. Eng., Gifu Univ.) HASEGAWA, Saki; YAMAGUCHI, Kirara; MURAI, Toshiaki
- 1B5-02** Synthesis and Properties of 5-Amino-Thia- and Selenazoles Having Heterocyclic Rings at 2 Positions (Fac. Eng., Gifu Univ.) YAMAGUCHI, Kirara; MURAI, Toshiaki
- 1B5-03** Synthesis and Photoproperty of 1,14,7,8-Bis(dithio)-6,13-dithiopentacenequinone: a New Regioisomer of Hexathiopentacene (Grad. Sch. Env. Sci., Okayama Univ.) SHIRAI, Hitoshi; IOKA, Kenta; TAJIMA, Tomoyuki; YAMAKAWA, Akio; TAKAGUCHI, Yutaka
- 1B5-04** Synthesis and characterization of aryl-functionalized X-shaped oligothiophene derivatives with a pyrrole core (Fac. Eng., Iwate Univ.) MURAOKA, Hiroki; KUBOTA, Shunpei; OGAWA, Satoshi
- 1B5-05** Synthesis and Physical Properties of D- π -A type 1,4-diaryl-1,3-butadiene dyes (Grad. Sch. Sci., Eng., Saitama Univ.) MAKISHIMA, Yukihiro; NAKATA, Norio; ISHII, Akihiko
- 1B5-06** Synthesis and characterization of novel conjugated phenol derivatives bridged by heterocycles (Fac. Eng., Iwate Univ.; Iwate Medical Univ. School of Pharmacy) KAWANO, Tomikazu; OHASHI, Toshika; MURAOKA, Hiroki; OGAWA, Satoshi

Chair: NAKATA, Norio (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1B5-08, 1B5-09, 1B5-10,

1B5-11, 1B5-12, 1B5-13)

1B5-08 Withdrawn

1B5-09 Synthesis and Properties of Polytellurophene Nanotubes (Fac. Sci. Eng., Kinki Univ.) SAITO, Yudai; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1B5-10 Reaction and Functionalization of Calix[4]thiophene (Kinki Univ.) TAKEUCHI, Noritaka; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1B5-11 Synthesis and characterization of tetra (5-aryl-2-thienyl) thiophene-1-oxide and 1,1-dioxide derivatives (Fac. Eng., Iwate Univ.) MURAOKA, Hiroki; ENDO, Takamasa; OGAWA, Satoshi

1B5-12 Synthesis and characterization of aryl-functionalized 2,4,6-tri(2-thienyl)-1,3,5-triazine derivatives (Fac. Eng., Iwate Univ.) MURAOKA, Hiroki; MORI, Masayoshi; OGAWA, Satoshi

1B5-13 Synthesis and properties of poly(p-phenylene sulfide) derivatives via poly sulfonium salt by copolymerization of two monomer species (Fac. Eng., Iwate Univ.) OGAWA, Satoshi; ARAKI, Shun; MURAOKA, Hiroki

Chair: NOMOTO, Akihiro (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1B5-15, 1B5-16, 1B5-17, 1B5-18, 1B5-19, 1B5-20)

1B5-15 Regio- and stereoselective synthesis of 1-haloethenamide with in situ generated HX (Ryukoku Univ. Science and Technology) IDE, Masataka; OHASHI, Kazuhiro; IWASAWA, Tetsuo

1B5-16 Development of Aminosenelenation Reaction of Alkenes by Utilizing a Selenenyl Iodide (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAHASHI, Erika; SASE, Shohei; GOTO, Kei

1B5-17 Synthesis of trifluoromethylated chiral hypervalent iodine (Nagoya Inst. of Tech. Graduate School of Engineering, Nagoya) TAIRA, Hiromi; NISHIMINE, Takayuki; TOKUNAGA, Etsuko; SHIBATA, Norio

1B5-18 Synthesis of Novel Functionalized Hypervalent Iodine-Benzyne Precursors and Application to Polycyclic Aromatics (Grad. Sch. Sci. Eng., Saga Univ.) GONDO, Keisuke; KITAMURA, Tsugio

1B5-19 Iodosylarene-Promoted Fluorination of Acetophenone Derivatives (Saga Univ. department of science and engineering) MUTA, Kensuke; KITAMURA, Tsugio

1B5-20 Iodoarene-Catalyzed Fluorination of 1,3-Dicarbonyl Compounds (Grad. Sch. Sci. Eng., Saga Univ.) MUTA, Kazutaka; KITAMURA, Tsugio

Thursday, March 27, PM

Chair: SASE, Shohei (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1B5-28, 1B5-29, 1B5-30, 1B5-31, 1B5-32, 1B5-33)

1B5-28[#] Brønsted acid-catalyzed selective hydroboration of alkylnylboronates (WPI-AIMR, Tohoku Univ.) HO, Hon eong; ASAO, Naoki; YAMAMOTO, Yoshinori; JIN, Tienan

1B5-29 Withdrawn

1B5-30 Synthesis and Structures of Platinum Complexes of Alumenes Bearing a Bulky Aryl Substituent (ICR, Kyoto Univ.) NAGATA, Koichi; AGOU, Tomohiro; TOKITOH, Norihiro

1B5-31 Structure and Reactivity of Diborane(6) with Bulky Rind Groups (Fac. Sci. Eng., Kinki Univ.) KANEDA, Shohei; MARUHASHI, Ryota; SHIOJI, Yoshiaki; HASHIZUME, Daisuke; TAMAO, Kohei; FUENO, Hiroyuki; TANAKA, Kazuyoshi; MATSUO, Tsukasa

1B5-32 Triple-bond cleavage reaction using a novel unsymmetrical diborane (4) and its mechanistic study (Grad. Sch. Sci. Eng., Chuo Univ.) ASAKAWA, Hiroki; YAMASHITA, Makoto

1B5-33 Dimerization of alkynes in the absence of transition metals (Fac. Sci. Eng., Chuo Univ.) KOJIMA, Chiemi; YAMASHITA, Makoto

Chair: MATSUO, Tsukasa (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1B5-35, 1B5-36, 1B5-37, 1B5-38, 1B5-39, 1B5-40)

1B5-35 Synthesis of Halogen-Substituted Alumoles (ICR, Kyoto Univ.) WASANO, Tatsuya; AGOU, Tomohiro; TOKITOH, Norihiro

1B5-36 Construction of Novel Electron-Deficient Conjugated System Based on *o*-Carborane (Grad. Sch. Eng., Kyoto Univ.) NAITO, Hirofumi; MORISAKI, Yasuhiro; CHUJO, Yoshiki

1B5-37 Synthetic Study on Phosphaaluminenes by Using Bulky Substituents (Grad. Sch. Sci., Kyoto Univ.) IKEDA, Shin; AGOU, Tomohiro; TOKITOH, Norihiro

1B5-38 Small Molecule Activation by a Two-Coordinate Boron Cation (Chem. Res. Lab., Tokyo Tech) TANAKA, Naoki; SHIOJI, Yoshiaki; MIKAMI, Koichiro; UTIYAMA, Masanobu; FUKUSHIMA, Takanori

1B5-39 Generation of boryl anion in saturated hydrocarbon solvent using ternary reducing agent (Fac. Sci. Eng., Chuo Univ.; Grad. Sch. Eng., The Univ. of Tokyo) OHSATO, Takuto; OKUNO, Yuri; YAMASHITA, Makoto; NOZAKI, Kyoko

1B5-40[#] Reaction of boryl metal species with dihydrogen (Grad. Sch. Eng., The Univ. of Tokyo; Fac. Sci. Eng., Chuo Univ.) ARAMAKI, Yoshitaka; ZHAO, Xiaoxi; YAMASHITA, Makoto; NOZAKI, Kyoko

Chair: YAMASHITA, Makoto (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1B5-42, 1B5-43, 1B5-44,

1B5-45, 1B5-46, 1B5-47)

1B5-42 Construction of Hypervalent and Extended Hypervalent Interactions at Nitrogen Lone Pair Orbitals (Grad. Sch. Sys. Eng., Wakayama Univ.) NISHII, Yuki; HAYASHI, Satoko; NAKANISHI, Waro

1B5-43 Construction of Extended Hypervalent Bonds by Sulfur Atoms Through Insertion of Diacetylene Unit (Grad. Sch. Sys. Eng., Wakayama Univ.) MIZA, Hiroaki; HAYASHI, Satoko; NAKANISHI, Waro

1B5-44 Synthesis of Benzophospholanes from 2,4,6-Tri-*t*-butylphenyl Group Substituted Phosphaalkenes via Rhodium(III)-Catalyzed C-H Bond Activation (Grad. Sch. Eng., Osaka City Univ.) MINAMI, Tatsuya; OKA, Yuki; FUJIMOTO, Taiki; NAKAGAWA, Yuki

1B5-45 Asymmetric Suzuki-Miyaura Cross Coupling Reaction Catalyzed by Metal Nanoparticles in Supercritical Reaction Field (Fac. Sci. Eng., Kinki Univ.) OSUGI, Kenta; KAKIUTHI, Keiki; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1B5-46 Synthesis of Chiral Metal Nanoclusters and the Click Reaction on the Nanointerface (Kinki Univ.) YOSHIMURA, Hitoshi; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1B5-47 A new cross-coupling reaction of phosphine-boranes (KIT Graduate School of Engineering) HIRAKAWA, Keita; OGAWA, Daiti; KITAMURA, Mitsuru; OKAUCHI, Tastuo

Chair: AGO, Tomohiro (17 : 00~17 : 50)

* 16:50-17:00: interval for laptop PC connection.(1B5-49, 1B5-50, 1B5-51, 1B5-52, 1B5-53)

1B5-49 Synthesis of 2-benzothio- and 2-benzoselenopyrylium salt derivatives (Fac. Sci., Fukuoka Univ.) NAGAHORA, Noriyoshi; FUJII, Motomi; SHIOJI, Kosei; OKUMA, Kentaro

1B5-50 Synthesis of Multisubstituted Cyclic Amines via Stereoselective Seleno-Claisen Rearrangement (Fac. Eng., Gifu Univ.) SUZUKI, Masafumi; KUBOTA, Saki; SHIBAHARA, Fumitoshi; MURAI, Toshiaki

1B5-51 One-Pot Cross-Coupling Synthesis of Thioethers Using Thiourea (Grad. Sch. Integrated Arts Sci., Kochi Univ.) YAMAMOTO, Atsushi; SAIGO, Hikari; FUJITA, Kazuya; SASAKI, Katsuyuki; KANENO, Daisuke

1B5-52 One-pot Synthesis of Selenium-containing Heterocycles via Selanation of Isocyanates Followed by Reaction with Amines or Alcoholates Having a Functional Group (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) AMITANI, Toshiki; MAEDA, Hajime; SEGI, Masahito

1B5-53 Generation of Thio and Selenocarbonylithiums and Their Addition Reaction to Carbonyl Compounds (Fac. Eng., Gifu Univ.) MIZUTANI, Tomohiko; TOKIWA, Issei; HORI, Rumi

Friday, March 28, AM

Chair: NAGAHORA, Noriyoshi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2B5-01, 2B5-02, 2B5-03, 2B5-04, 2B5-05, 2B5-06)

2B5-01 Homopolymerization of Heterocyclic Compounds Having a Vinyl Group from Phenyl Homopropargyl Selenide (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) FUJITA, Kouhei; MAEDA, Hajime; SEGI, Masahito

2B5-02 Synthesis of Five-membered Ring Selenosugar Derivatives via Cycloaddition of Selenoaldehydes Followed by Stereospecific Ring Contraction (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) YASUDA, Youhei; MAEDA, Hajime; SEGI, Masahito

2B5-03 Examination on the synthesis of novel water-soluble cyclic selenide having a carboxy group. (Sch. Sci., Tokai Univ.) TAKAHIRA, Motoi; SEKIYAMA, Natsumi; ARAI, Kenta; IWAOKA, Michio

2B5-04 Investigation on the synthesis of selenogluthione using solid-phase peptide synthesis. (Sch. Sci., Tokai Univ.) SHIMODAIRA, Shingo; SHINJO, Kazuma; TAKEI, Toshiki; IWAOKA, Michio

2B5-05 Preparation and Electrochemical Property of 4,8-Dialkylbenzo[1,2-d:4,5-d'] [bis(1,2,3)triselenole (Center for Regional Collaboration in Research and Education, Iwate Univ.) KIMURA, Takeshi

2B5-06 Synthesis of Polyseleno-cyclophane Having Transannular Selenium (Kinki Univ.) UEKI, Yuto; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

Chair: SHIBAHARA, Fumitoshi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2B5-08, 2B5-09, 2B5-10, 2B5-11, 2B5-12, 2B5-13)

2B5-08 Study of Reaction Mechanism of Unique Intramolecular Coupling Reaction of [7]Thiaheterohelicenes by use of Lewis Acids (Fac. Sys. Eng., Wakayama Univ.) NAMIKAWA, Toshihiro; OSUGA, Hideji; INUI, Yasutaka; SAKAMOTO, Hidefumi

2B5-09 Reaction of thiofenchon with electrophiles: Wagner-Meerwein rearrangement reaction (Fac. Sci., Fukuoka Univ.) MATSUI, Hiroyuki; NAGAHORA, Noriyoshi; SHIOJI, Kosei; OKUMA, Kentaro

2B5-10 Synthesis and Structure of Kinetically Stabilized 1-Butene-2-thiol Derivative (Rikkyo University Department of Chemistry, College of Science) YUKIMOTO, Mariko; MINOURA, Mao

2B5-11 Regio- and stereoselective addition of aromatic mercapto compounds to buta-1,3-dienylbenzene by using photoinduced radical or transition-metal-catalyzed reaction. (Grad. Sch. Eng., Osaka Pref. Univ.) FUJIYAMA, Takuya; NOMOTO, Akihiro; UESHIMA, Michio; OGAWA, Akiya

2B5-12 Reaction of a Cysteine Thiol Derivative Incorporated in a Large Molecular Cavity with Organic Nitrates (Grad. Sch. Sci., Eng., Tokyo Tech)

SANO, Tsukasa; SASE, Shohei; GOTO, Kei

- 2B5-13** Mechanistic Study on Oxidation of *S*-Nitrosothiols by Reactive Nitrogen Species (Grad. Sch. Sci., Eng., Tokyo Tech) IDEUE, Taku; SASE, Shohei; GOTO, Kei

Chair: MAEDA, Hajime (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2B5-15, 2B5-16, 2B5-17, 2B5-18, 2B5-19, 2B5-20)
- 2B5-15** Studies on Substituent-Effect in the Cycloaddition Reaction of Propargyl Sulfides by Using Tin(IV) Chloride (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) HAYASHIBARA, Hitomi; OGUMI, Keisuke; HIRABAYASHI, Kazunori; SHIMIZU, Toshio
- 2B5-16** Reaction of an *N*-Hydroxyselenenamide Bearing a Bowl-shaped Steric Protection Group with Thiols (Grad. Sch. Sci., Eng., Tokyo Tech) ISHIIHARA, Michihiro; SASE, Shohei; GOTO, Kei
- 2B5-17** Transformation from a Primary-alkyl-substituted Selenenic Acid Bearing a Bowl-shaped Framework to a Stable Selenoaldehyde (Grad. Sch. Sci., Eng., Tokyo Tech) KAKIMOTO, Ryo; SASE, Shohei; GOTO, Kei
- 2B5-18** Syntheses and Reactivities of Ch(IV)=C=S(VI) Heteroallene (Ch = S, Se) (Coll. Industrial Tech., Nihon Univ.) MOROSAKI, Tomohito; SUZUKI, Tsubasa; FUJII, Takayoshi
- 2B5-19** Reaction of Phosphoroselenenyl chlorides with a Binaphthyl Group and the Application of the Products (Fac. Eng., Gifu Univ.) JINNO, Issei; MONZAKI, Masaki; MURAI, Toshiaki; MIWA, Tomoaki
- 2B5-20** Generation of carbanions from selenophosphonates having a binaphthyl group and their stereoselective nucleophilic addition reaction (Fac. Eng., Gifu Univ.) MAEKAWA, Yuuki; MURAI, Toshiaki

Friday, March 28, PM

Chair: HIRABAYASHI, Kazunori (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2B5-28, 2B5-29, 2B5-30, 2B5-31, 2B5-32, 2B5-33)
- 2B5-28** Synthetic Study of Zanamivir with Minimum Use of Protecting Groups (Grad. Sch. Pharm., The Univ. of Tokyo) ITO, Soichi; KIMURA, Yasuaki; SHIMIZU, Yohsei; KANAI, Motomu
- 2B5-29** Synthetic Study of (R)-(+)-Muscovopyridine Analogue via 2-Pyridone Synthesis as a Key Reaction (Grad. Sch. Eng., Mie Univ.) KUGISAKI, Naoki; HACHIYA, Iwao; SHIMIZU, Makoto
- 2B5-30** Adsorption control of modifier for asymmetric hydrogenation using Pd/C (Grad. Sch. Mat. Sci., Univ. of Hyogo) SATO, Haruka; NAKATSUJI, Makoto; OKAMOTO, Yasuaki; SUGIMURA, Takashi
- 2B5-31** Synthesis and Chemical Stability of Aliphatic Nitrile *N*-Oxides using *trans*- β -Nitrostyrene (Grad. Sch. Sci., Eng., Tokyo Tech) WANG, Chengang; KOYAMA, Yasuhito; UCHIDA, Satoshi; TAKATA, Toshikazu
- 2B5-32** Photocyclization of *o*-Alkylbenzoylphosphonates with Control of the Rotational Direction (Grad. Sch. Eng., Kyoto Univ.) YANO, Takaaki; YUHKI, Tatsuya; ISHIDA, Naoki; MURAKAMI, Masahiro
- 2B5-33** Stereoisomerization of *cis*-form fused polycyclic diimide typed organoarsenic compounds (KIT) ISHIDOSHIRO, Makoto; NAKA, Kensuke

Chair: TAJIMA, Tomoyuki (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2B5-35, 2B5-36, 2B5-37, 2B5-38, 2B5-39, 2B5-40)
- 2B5-35** Synthesis, structure, and properties of sterically crowded triarylphosphines conjugated with carbonyl groups (Grad. Sch. Sci., Tohoku Univ.) SASAKI, Shigeru
- 2B5-36** Phospha-Diels-Alder Reaction of Sterically Protected 1-Phospha-1,3-butadiene under Solvent-free Conditions (Grad. Sch. Eng., Osaka City Univ.) MINAMI, Tatsuya; ISHIDA, Shunsuke; FUJIMOTO, Taiki; OKA, Yuki
- 2B5-37** Synthetic Studies of Unsaturated Phosphorus Compounds Incorporating the Bulky Rind Groups (Fac. Sci. Eng., Kinki Univ.) TSUJIMOTO, Shota; LI, Baolin; HASHIZUME, Daisuke; LI, Yongming; TSUJI, Hayato; TAMAO, Kohei; MATSUO, Tsukasa
- 2B5-38** Synthesis and Structures of Group 6 Metal Complexes with Triphospha[3]radialene Ligand (ICR, Kyoto Univ.) MIYAKE, Hideaki; SASAMORI, Takahiro; TOKITOH, Norihiro
- 2B5-39** Synthesis and property of phosphinine dimers having conjugated spacers (Fac. Sci., Fukuoka Univ.) NAGAHORA, Noriyoshi; OGAWA, Tamaki; SHIOJI, Kosei; OKUMA, Kentaro
- 2B5-40** Study of Ligation Ability on Triphenylphosphine Bridged by Three Oxygen Atoms (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YAMAMURA, Masaki; SAITO, Tsuyoshi; NABESHIMA, Tatsuya

Chair: SASAMORI, Takahiro (15 : 50~16 : 40)

- * 15:40-15:50: interval for laptop PC connection.(2B5-42, 2B5-43, 2B5-44, 2B5-45, 2B5-46)
- 2B5-42** Synthesis and Properties of Metal Complexes of Cubic and Cyclic Siloxanes (Grad. Sch. Sci. Tech., Gunma Univ.) OTSUKI, Masahiro; TAKEDA, Nobuhiro; UNNO, Masafumi
- 2B5-43** Synthesis of Siloxanes Bearing Pyrenyl Groups (Gunma Univ. Faculty of Science and technology) KANZAKA, Yuichiro; TAKEDA, Nobuhiro; UNNO, Masafumi

- 2B5-44** Development of New Dearylchlorination (Gunma Univ. Faculty of science and technology) KUMAZAWA, Naoto; TAKEDA, Nobuhiro; UNNO, Masafumi

- 2B5-45** Chain-Growth Polymerization of Silyl-Substituted Pi System (JST-ERATO; Chem. Res. Lab., Tokyo Tech) SANJI, Takanobu; IYODA, Tomokazu

- 2B5-46** Synthesis and Reaction of Organogermanium Compounds Having 9-Triptycyl Group (Rikkyo University College of Science) NAGAMATSU, Mayuko; YUKIMOTO, Mariko; MINOURA, Mao

Chair: MURAOKA, Hiroki (16 : 50~17 : 30)

- * 16:40-16:50: interval for laptop PC connection.(2B5-48, 2B5-49, 2B5-50, 2B5-51)
- 2B5-48** Wittig Reaction of a Phosphorus Ylide Bearing Phosphatibiphenyl-cene Skeleton with Carbonyl Compounds (Sch. Sci., Kitasato Univ.) MURAKAMI, Rikiya; SUGIMOTO, Jun; UCHIYAMA, Yosuke
- 2B5-49** Precise X-ray Diffraction Measurements of Hexaphenyltellurium(VI) (Rikkyo University College of Science; RIKEN CEMS; ICR, Kyoto Univ.) ICHINOSE, Sho; KOBAYASHI, Sho; MINOURA, Mao; HASHIZUME, Daisuke; SASAMORI, Takahiro; TOKITOH, Norihiro
- 2B5-50** Synthesis and Structure of Hexa-coordinated Chalcogenium Salts (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) OOIZUMI, Akihisa; FUJITA, Wataru; NOMURA, Kotohiro; SATO, Soichi
- 2B5-51** AIM Analysis of Interactions in Hexa-coordinated Chalcogenide Salts (Grad. Sch. Sys. Eng., Wakayama Univ.) SUGIBAYASHI, Yuji; HAYASHI, Satoko; NAKANISHI, Waro; OOIZUMI, Akihisa; SATO, Soichi

Saturday, March 29, PM

Chair: KANENO, Daisuke (13 : 20~13 : 50)

- * 13:10-13:20: interval for laptop PC connection.(3B5-27, 3B5-28, 3B5-29)
- 3B5-27** Preparations and properties of 4,7-dibromobenzo[b]thiophene using 1-adamantanethiol (Grad. Sch. Sci., Tohoku Univ.) SASAKI, Yoshihiro; KISHI, Daiki; TOYOTA, Kozo
- 3B5-28** Titanium(IV) Chloride Catalyzed Reactions of Allyl Mesityl Selenide with Acetals (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YOSHIZAWA, Naohiro; HIRABAYASHI, Kazunori; SHIMIZU, Toshio
- 3B5-29** Synthesis and applications of bicyclo[2.2.0]octadiene-fused benzothio-phenone precursors (Grad. Sch. Sci., Eng., Ehime Univ.) YUKI, Miyai; SHIGEKI, Mori; HIROYUKI, Tani; HIDEMITHU, Uno

Chair: OSUGA, Hideji (14 : 00~14 : 40)

- * 13:50-14:00: interval for laptop PC connection.(3B5-31, 3B5-32, 3B5-33)
- 3B5-31** Unexpected products in the radical addition reaction of diphenylphosphine oxide to allyl ethers: Insight into pathways for dimerization of allyl ethers (Sch. Eng., Osaka Pref. Univ.) SATOH, Yuuki; KOBIKI, Yohsuke; KAWAGUCHI, Shin-ichi; OGAWA, Akiya
- 3B5-32** An Efficient Thiolative Carbonylation of Acetylenic Alcohols with CO and Organosulfur Compounds Catalyzed by $\text{Co}_2(\text{CO})_8$ (Grad. Sch. Eng., Osaka Pref. Univ.) HIGASHIMAE, Shinya; TAMAI, Taichi; OGAWA, Akiya
- 3B5-33*** Palladium-Catalyzed Selective Hydrothiolation of Vinyl Ethers (Grad. Sch. Eng., Osaka Pref. Univ.) TAMAI, Taichi; OGAWA, Akiya

Chair: TAKEDA, Nobuhiro (16 : 50~17 : 30)

- * 16:40-16:50: interval for laptop PC connection.(3B5-48, 3B5-50)
- 3B5-48*** Ni / $\text{B}(\text{C}_6\text{F}_5)_3$ Catalyst System for Highly Selective Crossed-Esterification of Trifluoromethylketones with Aldehydes (Grad. Sch. Eng., Osaka Univ.) DOI, Ryohei; OHASHI, Masato; OGOSHI, Sensuke
- 3B5-50*** Synthesis and complexation of chiral cyclic phosphines (Grad. Sch. Eng., Kyoto Univ.) KATO, Ryosuke; MORISAKI, Yasuhiro; CHUJO, Yoshiki

Chair: SATO, Soichi (17 : 40~18 : 20)

- * 17:30-17:40: interval for laptop PC connection.(3B5-53, 3B5-55)
- 3B5-53*** Synthesis and Chemical and Physical Properties of 1-Chalcogeno-1,3-butadienes incorporated in a Dibenzo-barrelene Skeleton (Grad. Sch. Sci., Eng., Saitama Univ.) ANNAKA, Tatsuro; NAKATA, Norio; ISHII, Akihiko
- 3B5-55*** Synthetic Studies on Organoselenium-substituted Phosphenium Cations (ICR, Kyoto Univ.) SUGAMATA, Koh; VILLALBA FRANCO, José manuel; SASAMORI, Takahiro; TOKITOH, Norihiro

Room B6

E&S Bldg. ES025

Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds

Thursday, March 27, AM

Chair: MORI, Keiji (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1B6-01, 1B6-02, 1B6-03, 1B6-04, 1B6-05, 1B6-06)
- 1B6-01** Asymmetric aza Diels-Alder Reaction of Unreactive Acyclic 1,3-Dienes with Imines Catalyzed by Chiral Brønsted Acids (Grad. Sch. Eng., Osaka City Univ.) NANTAKU, Shuto; ISHIMURA, Toshiki; MINAMI, Tatsuya; HATANAKA, Yasuo
- 1B6-02** Hetero Diels-Alder Reaction between Unactivated Acyclic Dienes with Aldehydes Catalyzed by Chiral Brønsted Acids (Grad. Sch. Eng., Osaka City Univ.) ISHIMURA, Toshiki; NANTAKU, Shuto; MINAMI, Tatsuya; HATANAKA, Yasuo
- 1B6-03** Chiral Brønsted Acid Catalyzed Enantioselective Friedel-Crafts Reaction of 2-Methoxyfuran with Ketimines (Grad. Sch. Sci., Tohoku Univ.) KOMURO, Takazumi; KONDOH, Azusa; TERADA, Masahiro
- 1B6-04** 3,3-Rearrangement of N-1,2,2-Substituted Homoallyl Haloalkyl Imines Catalyzed by Brønsted Acid (Sch. Sci., Tohoku Univ.) TAKEI, Akira; MOMIYAMA, Norie; TERADA, Masahiro
- 1B6-05** Chiral Brønsted Acid Catalyzed Asymmetric Oxa-Pictet-Spengler Reaction (Grad. Sch. Sci., Tohoku Univ.) IGARASHI, Chihiro; PARK, Jihyun; YAMANAKA, Takuto; TODA, Yasunori; TERADA, Masahiro
- 1B6-06** Friedel-Crafts Reaction of Indoles Catalyzed by Nobel Hydrogen-Bonding Carboxylic Acid. (Grad. Sch. Sci., Chiba Univ.) SUGIUE, Toru; MORIYAMA, Katsuhiko; TOGO, Hideo

Chair: HATANO, Manabu (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1B6-08, 1B6-09, 1B6-10, 1B6-11, 1B6-12, 1B6-13)
- 1B6-08** Chiral phosphoric acid-catalyzed Mannich-type reaction leading to the construction of quaternary stereocenter (Gakushuin Univ.) SHIBATA, Michiko; RAHAMAN, Hasibur; MORI, Keiji; AKIYAMA, Takahiko
- 1B6-09** Synthesis of pyrroloquinoline skeleton using chiral phosphoric acid catalyzed intramolecular reductive amination (Tokyo Univ. of Agri. and Technol.) MIKAME, Yu; KOZIMA, Kouhei; AKIMOTO, Takahumi; AKIYAMA, Takahiko; NAGASAWA, Kazuo
- 1B6-10** Synthesis of gamma-lactams catalyzed by Brønsted acids (Grad. Sch. Eng., Osaka City Univ.) KAWAKAMI, Megumi; MINAMI, Tatsuya; HATANAKA, Yasuo
- 1B6-11** Enantioselective Nicholas Reaction with Thiols Catalyzed by Chiral Brønsted Acid (Grad. Sch. Sci., Tohoku Univ.) OTA, Yusuke; LI, Feng; TODA, Yasunori; KONDOH, Azusa; TERADA, Masahiro
- 1B6-12** Asymmetric Intramolecular Cyclization of Alkynyl Esters Catalyzed by Brønsted Base (Grad. Sch. Sci., Tohoku Univ.) KIMURA, Kyoko; KONDOH, Azusa; TERADA, Masahiro
- 1B6-13** Catalytic Enantioselective Mannich type Reaction catalyzed by Optically Active Binaphthalene diamine derived Chiral Brønsted Acid. (Grad. Sch. Sci., Tohoku Univ.) KIKUCHI, Jun; MOMIYAMA, Norie; TERADA, Masahiro

Chair: MINAMI, Tatsuya (11 : 20 ~ 12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(1B6-15, 1B6-16, 1B6-17, 1B6-19, 1B6-20)
- 1B6-15** Synthesis of Optically Active 3,3'-Diaryl-1,1'-Binaphthyl-2,2'-Disulfonic Acids and Their Application as Chiral Brønsted Acid Catalysts (Grad. Sch. Eng., Nagoya Univ.) NISHIKAWA, Keisuke; OZAKI, Takuya; HATANO, Manabu; ISHIHARA, Kazuaki
- 1B6-16** Development of Highly Active Chiral Dibasic Acid Catalysts: Synthesis of Optically Active Pyrophosphate Diesters (Grad. Sch. Eng., Nagoya Univ.) OKAMOTO, Haruka; NAKATUJI, Hidehumi; SAKAKURA, Akira; HATANO, Manabu; ISHIHARA, Kazuaki
- 1B6-17*** Development of Chiral Perfluoroaryl Phosphoric Acid: Evaluation in Catalytic Enantioselective Three-Component Imino-Ene Reaction (Grad. Sch. Sci., Tohoku Univ.) OKAMOTO, Hiroshi; MOMIYAMA, Norie; TERADA, Masahiro
- 1B6-19** Design and Synthesis of Bis Triflyl Methane with Perfluoro Naphthyl Skeleton (Grad. Sch. Sci., Tohoku Univ.) SHIMIZU, Masahiro; MOMIYAMA, Norie; TERADA, Masahiro
- 1B6-20** Stereoselective Allylation of Isoquinolines using Allylsilatrane as Allylation Reagents (Grad. Sch. Sci., Tohoku Univ.) NISHIMOTO, Hayato; KAMATA, Yuji; MOMIYAMA, Norie; TERADA, Hayato

Thursday, March 27, PM

Chair: NAKA, Hiroshi (13 : 30 ~ 14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(1B6-28, 1B6-30, 1B6-31, 1B6-32, 1B6-33)
- 1B6-28**** Copolymerization of carbon dioxide and dienes via lactone intermediate (Grad. Sch. Eng., The Univ. of Tokyo) NAKANO, Ryo; ITO, Shingo; NOZAKI, Kyoko
- 1B6-30** Carbon Dioxide Incorporation into Alkynyl Amine Derivatives with C-C Triple Bond Activation by Silver Catalyst and Intramolecular Rearrangement (1) (Fac. Sci. Tech., Keio Univ.) ISHIDA, Tomonobu; KIKUCHI, Satoshi; YAMADA, Tohru
- 1B6-31** Carbon Dioxide Incorporation into Alkynyl Amine Derivatives with C-C Triple Bond Activation by Silver Catalyst and Intramolecular Rearrangement (2) (Fac. Sci. Tech., Keio Univ.) ISHIDA, Tomonobu; KOBAYASHI, Ryo; KIKUCHI, Satoshi; YAMADA, Tohru
- 1B6-32** Carbon Dioxide Incorporation via Isocyanate to Heteroaromatic Compounds (Grad. Sch. Sci., The Univ. of Tokyo) IMAIZUMI, Takaki; YOO, Woo-Jin; KOBAYASHI, Shu
- 1B6-33*** An Efficient Synthesis of Isocoumarins via N-Heterocyclic Carbene-Copper Complex Catalyzed Three-Component Coupling Reactions of Benzynes, Terminal Alkynes, and Carbon Dioxide (Grad. Sch. Sci., The Univ. of Tokyo) NGUYEN VU QUANG, Thanh; YOO, Woo-Jin; KOBAYASHI, Shu

Chair: ITO, Shingo (14 : 40 ~ 15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(1B6-35, 1B6-37, 1B6-38, 1B6-39, 1B6-40)
- 1B6-35*** Silver-catalyzed C-C Bond Formation with Carbon Dioxide into Alkyne-Containing Ketone Derivatives (Fac. Sci. Tech., Keio Univ.) SEKINE, Kohei; ISHIDA, Tomonobu; TAKAYANAGI, Ayano; KIKUCHI, Satoshi; YAMADA, Tohru
- 1B6-37** Cobalt-Catalyzed Reductive Carboxylation on α,β -Unsaturated Nitriles with Carbon Dioxide (Fac. Sci. Tech., Keio Univ.) HAYASHI, Chika; HAYASHI, Takuo; KIKUCHI, Satoshi; YAMADA, Tohru
- 1B6-38** Dehydrative synthesis of chiral oxazolidinones catalyzed by alkali metal carbonates under low pressure of CO₂ (Grad. Sch. Sci., Nagoya Univ.) TAKADA, Yuki; FOO, Siong wan; YAMAZAKI, Yusuke; NOYORI, Ryoji; SAITO, Susumu
- 1B6-39** Reductive Fixation Reactions of Carbon Dioxide to Carbonyl Compounds by Using Low Valent Metals (Grad. Sch. Eng., Osaka Univ.; JST JST, ACT-C) AMAYA, Toru; KURATA, Izumi; HIRAO, Toshikazu
- 1B6-40** C-C bond forming reaction on cyclopropane ring using methyl 1-halocyclopropanecarboxylate with SmI₂ or Zn (Grad. Sch. Sci. Technol., Shinshu Univ.) SAKUMA, Daichi; NISHII, Yoshinori

Chair: AMAYA, Toru (15 : 50 ~ 16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(1B6-42, 1B6-43, 1B6-44, 1B6-45, 1B6-46, 1B6-47)
- 1B6-42** Asymmetric formal [3+2] cycloadditions of (E)-nitrones with α -keto esters using nickel-diamine catalysts: effect of achiral base and mechanistic insights (RIKEN) NAKAMURA, Genta; SOHTOME, Yoshihiro; SYLVAIN, Lactard; TSUCHIMOTO, Teruhisa; SODEOKA, Mikiko
- 1B6-43** Asymmetric aerobic α -hydroxylation of oxindoles using palladium catalyst (RIKEN) HOJO, Daiki; AKINDELE, Tito; SOHTOME, Yoshihiro; SODEOKA, Mikiko
- 1B6-44** Synthesis of multi-substituted alkenes through iron-catalyzed carbonylation of alkynes (RCMS, Nagoya Univ.; Grad. Sch. Sci., Nagoya Univ.) IWATA, Shinsuke; NOYORI, Ryoji; NAKA, Hiroshi
- 1B6-45** Synthesis and photophysical property of glycoconjugated porphyrin manganese complex for SOD mimetics (Ube National College of Technology; Univ. of Tsukuba; Univ. of Yamanashi) FUJITSU, Kyosuke; AKAHOSHI, Hayato; SHIRAIISHI, Masahiro; FUJITAKE, Kasumi; OBATA, Makoto; MATSUI, Hirofumi; TAMURA, Masato; ITO, Hiromu; HIROHARA, Shiho
- 1B6-46** Reduction of α -hetero-substituted carbonyl compounds by gallium(I). (Grad. Sch. Fac. Sci., Kanagawa Univ.) KAZAMI, Taashi; KIHARA, Nobuhiro
- 1B6-47** Iridium-Catalyzed regio-, diastereo-, and enantioselective carbene insertion reaction into benzylic and allylic C-H bonds (Grad. Sch. Sci., Kyushu Univ.; I₂CNER, Kyushu Univ.) IKUTA, Takashi; UCHIDA, Tatsuya; KATSUKI, Tsutomu

Chair: SOHTOME, Yoshihiro (17 : 00 ~ 18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(1B6-49, 1B6-51, 1B6-52, 1B6-53, 1B6-54)
- 1B6-49**** Catalytic Hydrogenation of Carboxamides Using Ru Complex Bearing Tetradentate Ligand (Grad. Sch. Sci., Nagoya Univ.) MIURA, Takashi; NARUTO, Masayuki; NOYORI, Ryoji; SAITO, Susumu
- 1B6-51** Methanol Synthesis-oriented Hydrogenation of Inactivated Carboxyl Compounds Catalyzed by Ruthenium Complex (Grad. Sch. Sci., Nagoya Univ.) TODA, Katsuaki; NARUTO, Masayuki; NOYORI, Ryoji; SAITO, Susumu
- 1B6-52** Catalytic Hydrogenation of Carboxylic Acids Using Ru Complex (Grad. Sch. Sci., Nagoya Univ.) NARUTO, Masayuki; NOYORI, Ryoji;

SAITO, Susumu

1B6-53 Molybdenum-Catalyzed Stereoselective Deoxygenation of Epoxides to Alkenes (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SAKAE, Takahisa; NAKAGIRI, Takuya; MURAI, Masahito; TAKAI, Kazuhiko

1B6-54 Rhenium-Catalyzed Stereospecific Deoxygenation of Epoxides to Alkenes (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) NAKAGIRI, Takuya; MURAI, Masahito; TAKAI, Kazuhiko

Chair: UCHIDA, Tatsuya (18 : 10~18 : 50)

* 18:00-18:10: interval for laptop PC connection.(1B6-56, 1B6-57, 1B6-58)

1B6-56 Hydrogenation of aromatic compounds with polysaccharide-supported ruthenium catalysts (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) MORIOKA, Yuna; MATSUOKA, Aki; NOYORI, Ryoji; NAKA, Hiroshi

1B6-57 Hydration of nitriles with polysaccharide-supported ruthenium catalysts (Grad. Sch. Sci., Nagoya Univ.) MATSUOKA, Aki; ISOGAWA, Takahiro; MORIOKA, Yuna; NOYORI, Ryoji; SAITO, Susumu; NAKA, Hiroshi

1B6-58* Asymmetric Isomerization of gamma-Hydroxy-alpha,beta-Unsaturated Thioesters by Aminothiourea Catalyst (Grad. Sch. Eng., Kyoto Univ.) FUKATA, Yukihiko; OKAMURA, Takaaki; ASANO, Keisuke; MATSUBARA, Seijiro

Friday, March 28, AM

Chair: ASANO, Keisuke (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2B6-01, 2B6-02, 2B6-03, 2B6-04, 2B6-05)

2B6-01 Enantioselective Synthesis of Multisubstituted Biaryl Chloride/Iodide by Chiral Phosphoric Acid Catalyzed Sequential Asymmetric Halogenation (Faculty of Science, Gakushuin University) ITAKURA, Tsubasa; KOBAYASHI, Manato; MORI, Keiji; AKIYAMA, Takahiko

2B6-02 Stereoselective Construction of All-Carbon Quaternary Center by Means of Chiral Phosphoric Acid : Highly Enantioselective Friedel-Crafts Reaction of Indole with β,β -Disubstituted N (Faculty of Science, Gakushuin University) MANARI, Wakazawa; KEIJI, Mori; TAKAHIKO, Akiyama

2B6-03 Design of C_1 Symmetric Chiral Bis-phosphoric Acid : Evaluation in Catalytic Enantioselective Diels-Alder Reaction of α -Haloacroleins with Amidodienes (Grad. Sch. Sci., Tohoku Univ.) FUNAYAMA, Kosuke; NODA, Hirofumi; YAMANAKA, Masahiro; MOMIYAMA, Norie; TERADA, Masahiro

2B6-04 Theoretical Study on Chiral Bis-Phosphoric Acid Catalyzed Asymmetric Diels-Alder Reaction (Rikkyo University fac. sci.) NODA, Hirofumi; MOMIYAMA, Norie; TERADA, Masahiro; YAMANAKA, Masahiro

2B6-05* Chiral Carboxylic Acid-Phosphoric Acid Catalyzed Regio- and Stereoselective Hetero-Diels-Alder Reaction of Amidodiene and Azo Compounds (Grad. Sch. Sci., Tohoku Univ.) TABUSE, Hideaki; MOMIYAMA, Norie; TERADA, Masahiro

Chair: HASHIMOTO, Takuya (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2B6-08, 2B6-09, 2B6-10, 2B6-11, 2B6-13)

2B6-08 Asymmetric Cycloetherification by Chiral Phosphoric Acid Catalyst (Grad. Sch. Eng., Kyoto Univ.) YONEDA, Naoki; ASANO, Keisuke; MATSUBARA, Seijiro

2B6-09 Asymmetric Construction of 1,3-Dioxanes by Chiral Phosphoric Acid Catalyst (Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Akira; ASANO, Keisuke; MATSUBARA, Seijiro

2B6-10 Asymmetric Oxy-Michael Addition Using Formaldehyde as Oxygen-centered Nucleophile (Grad. Sch. Eng., Kyoto Univ.) HOTTA, Ayano; YONEDA, Naoki; ASANO, Keisuke; MATSUBARA, Seijiro

2B6-11* Study on the Stereocontrolling Element of Chiral Bronsted Acid Catalyzed Petasis-Ferrier-Type Rearrangement (Grad. Sch. Sci., Tohoku Univ.) KANOMATA, Kyohei; TODA, Yasunori; SHIBATA, Yukihiko; YAMANAKA, Masahiro; TSUZUKI, Seiji; GRIDNEV, Ilya; TERADA, Masahiro

2B6-13 Theoretical Study on Chiral Phosphoric Acid Catalyzed Direct Aldol-Type Reaction of Azlactone with Vinyl Ethers (Grad. Sch. Sci., Rikkyo Univ.) NAGASAWA, Yuki; SHIBATA, Yukihiko; YAMANAKA, Masahiro

Chair: URAGUCHI, Daisuke (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2B6-15, 2B6-17, 2B6-18, 2B6-19, 2B6-20)

2B6-15** Site-Selective Aerobic Oxygenation of sp³ C-H Bonds of Alcohols Covalently Bound to N-Oxyl Radical Activator (Grad. Sch. Pharm., The Univ. of Tokyo) OISAKI, Kounosuke; OZAWA, Jun; NI, Jizhi; TASHIRO, Masayuki; KANAI, Motomu

2B6-17 Screening of substituent on chiral bronsted acids bearing an adjacent sulfonamide group for the enantioselective intramolecular hydroaminations (Grad. Sch. Sci., Hiroshima Univ.) SAKAI, Yuichiro; TAKAGI, Ruikichi; ABE, Manabu

2B6-18 Desymmetrization of *meso*-Aziridines with TMSNCS Catalyzed by Chiral Imidazole-Phosphoric Acids Catalysts (Nagoya Inst. of Tech.) OHARA, Mutsuyo; KOYARI, Madoka; HAYASHI, Masashi; HYODO,

Kengo; NADAF, Rashid nabisaheb; NAKAMURA, Shuichi

2B6-19 Chiral Phosphoric Acid Catalyzed Asymmetric Transfer Hydrogenation of 1,5-Benzodiazepine Derivatives Using Benzothiazoline as a Hydrogen Donor (Fac. Sci., Gakushuin Univ.) HORIGUCHI, Kosaku; SAITO, Kodai; AKIYAMA, Takahiko

2B6-20 Asymmetric transfer hydrogenation of ketimines by indoline as hydrogen donor (Fac. Sci., Gakushuin Univ.) MIYASHITA, Hiromitsu; SAITO, Kodai; AKIYAMA, Takahiko

Friday, March 28, PM

Chair: AKIYAMA, Takahiko (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2B6-28, 2B6-31, 2B6-32, 2B6-33)

2B6-28 Young Scholar Lectures of CSJ Asymmetric Catalysis of Designer Chiral Organic Ion Pairs (Nagoya Univ. WPI-ITbM, Nagoya Univ.; Grad. Sch. Eng., Nagoya Univ.) OHMATSU, Kohsuke

2B6-31 Catalytic asymmetric Diels-Alder reaction of quinone imine ketals and dienecarbamates (Grad. Sch. Sci., Kyoto Univ.) NAKATSU, Hiroki; HASHIMOTO, Takuya; MARUOKA, Keiji

2B6-32* Phase-transfer catalyzed asymmetric synthesis of 5,5-disubstituted unsaturated γ -lactams (Grad. Sch. Sci., Kyoto Univ.) ARLT, Alexander; HASHIMOTO, Takuya; MARUOKA, Keiji

2B6-33 Design of chiral bifunctional quaternary phosphonium bromide catalysts possessing an amide moiety (Grad. Sch. Sci., Kyoto Univ.) TOKUDA, Takashi; KASAI, Atsuyuki; SHIRAKAWA, Seiji; MARUOKA, Keiji

Chair: HARAGUCHI, Naoki (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2B6-35, 2B6-37, 2B6-38, 2B6-39)

2B6-35* Theoretical Study on Enantioselective Alkylation by Binaphthyl Chiral Phase-Transfer Catalysts (IMCE, Kyushu Univ.) KAMACHI, Takashi; YOSHIZAWA, Kazunari

2B6-37 Chiral Organic Base-Catalyzed Oxidative Kinetic Resolution of Secondary Boronate Esters (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) TANAKA, Naoya; URAGUCHI, Daisuke; OOI, Takashi

2B6-38 Highly Selective 1,6-Addition under the Diastereodivergent Catalysis of Chiral Aminophosphonium Aryloxides (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) YOSHIOKA, Ken; URAGUCHI, Daisuke; OOI, Takashi

2B6-39* Catalytic Control of Anion-Radicals by Chiral Arylaminophosphonium Cation (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) KINOSHITA, Natsuko; URAGUCHI, Daisuke; OOI, Takashi

Chair: MISAKI, Tomonori (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(2B6-42, 2B6-44, 2B6-45, 2B6-46, 2B6-47)

2B6-42* Enantioselective Diels-Alder Reaction of 1,2-dihydropyridines with α -Heterosubstituted Acroleins Catalyzed by Chiral Ammonium Salts and the Synthetic Application (Grad. Sch. Eng., Nagoya Univ.; Aichi Univ. of Educ.; JST CREST) YAMADA, Hiroki; AKAKURA, Matsujiro; ISHIHARA, Kazuaki

2B6-44 Enantioselective Cyano-ethoxycarbonylation of α -Ketoesters Promoted by a Bronsted Acid-Lewis Base Cooperative Chiral Organocatalyst (Grad. Sch. Eng., Nagoya Univ.; JST CREST) OGURA, Yoshihiro; ISHIHARA, Kazuaki

2B6-45* Boronic Acid-DMAP(O) Cooperative Catalysis for Dehydrative Condensation between Carboxylic Acids and Amines (Grad. Sch. Eng., Nagoya Univ.) LU, Yanhui; ISHIHARA, Kazuaki

2B6-46 Asymmetric alkylation using cinchonidine quaternary ammonium salts containing sulfonamide (II) (Toyohashi Univ. of Tech.) YAMAMOTO, Shunya; HARAGUCHI, Naoki; ITSUNO, Shinichi

2B6-47* Asymmetric catalytic activity of quaternary ammonium salts of cinchona alkaloid containing acetylenic moiety (Toyohashi Univ. of Tech.) HASSAN, Md. mehadi; HARAGUCHI, Naoki; ITSUNO, Shinito

Chair: KAMACHI, Takashi (17 : 00~17 : 30)

* 16:50-17:00: interval for laptop PC connection.(2B6-49, 2B6-51)

2B6-49* Development of asymmetric hydroxyamination by secondary amine catalysts (Grad. Sch. Sci., Kyoto Univ.) SHIROZU, Fumitaka; KANO, Taichi; MARUOKA, Keiji

2B6-51 Acylation of Electron-deficient Olefin with Branched Aldehyde by Hypervalent Iodine Reagent under Mild Condition (Kyoto Univ.) USUI, Asuka; MOTEKI, Shin; MARUOKA, Keiji

Saturday, March 29, AM

Chair: HARAGUCHI, Naoki (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3B6-01, 3B6-02, 3B6-03, 3B6-04, 3B6-05, 3B6-06)

3B6-01 Development and Mechanistic Investigation of Asymmetric Ring-opening Substitution of Racemic 2,2-Disubstituted Aziridines Catalyzed by Chiral 1,2,3-Triazolium Salts. (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng.,

Nagoya Univ.; JST CREST) ANDO, Yuichiro; OHMATSU, Kohsuke; OOI, Takashi

3B6-02 Catalytic Asymmetric Cyanation of 3-Sulfonylmethylindole-Derived Vinylogous Imines (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) NAKAGURO, Daigo; OHMATSU, Kohsuke; OOI, Takashi

3B6-03 Molecular Transformations via Betaine-Type Enolate as a Key Intermediate (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) TORII, Masahiro; URAGUCHI, Daisuke; OOI, Takashi

3B6-04 Asymmetric Conjugate addition Reaction of α -Formylthioesters Involving a Chiral Quaternary Carbon Atom Constructed Catalyzed by Organobase Catalyst (Grad. Sch. Mat. Sci., Univ. of Hyogo) TATSUMI, Toshifumi; MISAKI, Tomonori; SUGIMURA, Takashi

3B6-05 The rate acceleration of intramolecular Morita-Baylis-Hillman reaction by the combination of nucleophilic catalyst and co-catalyst (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SHIMOWAKI, Keita; AKEHI, Masaru; MANDAI, Hiroki; SUGA, Seiji

3B6-06 L-Proline Catalyzed Baylis-Hillman Reaction (Grad. Sch. Integrated Arts Sci., Kochi Univ.) SASAOKA, Ai; KANENO, Daisuke

Chair: YOSHIDA, Masanori (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3B6-08, 3B6-09, 3B6-10, 3B6-11, 3B6-12)

3B6-08 Withdrawn

3B6-09 Guanidinium-iodide catalyzed oxidative C-C bond formation of β -dicarbonyls with nitroalkanes (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YASUI, Koji; KOJIMA, Kohei; NAGASAWA, Kazuo

3B6-10 Chiral Thiourea/PPY-catalyzed Asymmetric Michael Addition Reaction: Application to Asymmetric Desymmetrization of Cyclohexadienones (Grad. Sch. Integrated Arts Sci., Kochi Univ.) MIYAMAE, Naomu; WATANABE, Naruhisa; KOTSUKI, Hiroyshizo

3B6-11 Synthesis of main-chain polymers of MacMillan catalyst and its application to asymmetric organocatalysis (Toyohashi Univ. of Tech.) ONAMI, Tatsuaki; HARAGUCHI, Naoki; ITSUNO, Shinichi

3B6-12* Development of Catalytic Imine-imine Cross Coupling Reactions (Grad. Sch. Sci., The Univ. of Tokyo) MATSUMOTO, Masatoshi; HARADA, Masashi; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

Chair: URAGUCHI, Daisuke (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3B6-15, 3B6-17, 3B6-18, 3B6-20)

3B6-15* Withdrawn

3B6-17 Development of an asymmetric organocatalyst based on a primary beta-amino acid (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Grad. Sch. Eng., Hokkaido Univ.; Sch. Eng., Hokkaido Univ.) HIRAOKA, Tatsuki; YOSHIDA, Masanori; HARA, Shoji

3B6-18* N-Heterocyclic Carbene Catalyzed Umpolung of Michael Acceptors (Nagoya Inst. of Tech. Department of Materials Science and Engineering) MATSUOKA, Shin-ichi; KATO, Terumasa; NAMERA, Shoko; NAKAZAWA, Masanori; TAKAGI, Koji; SUZUKI, Masato

3B6-20 Dimerizations of Michael Acceptors catalyzed by N-Heterocyclic Carbene (Nagoya Inst. of Tech. Department of Materials Science and Engineering) NAKAZAWA, Masanori; MATSUOKA, Shin-ichi; TAKAGI, Koji; SUZUKI, Masato

Saturday, March 29, PM

Chair: HACHIYA, Iwao (16 : 50~17 : 40)

* 16:40-16:50: interval for laptop PC connection.(3B6-48, 3B6-49, 3B6-50, 3B6-51, 3B6-52)

3B6-48 Intramolecular Cyclization of Alkynyl α -Ketoamide Utilizing Phospha-Brook Rearrangement Catalyzed by Phosphazene Base (Grad. Sch. Sci., Tohoku Univ.) AOKI, Takuma; KONDOH, Azusa; TERADA, Masahiro

3B6-49 Base-Catalyzed α -Oxygenation of Carbonyl Compounds Utilizing Phospha-Brook Rearrangement (Grad. Sch. Sci., Tohoku Univ.) KONDOH, Azusa; TERADA, Masahiro

3B6-50 One-pot synthesis of amines from carboxylic acids via Lossen rearrangement (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) OHTSUKA, Naoya; HONDA, Kiyoshi; HOSHINO, Yujiro

3B6-51 Synthesis of Oxazolines via Oxidative Intramolecular Cyclization Using Alkali Metal Bromide (Fac. Sci., Chiba Univ.) NISHINOHARA, Chihiro; MORIYAMA, Katsuhiko; TOUGOU, Hideo

3B6-52 Intramolecular Bromo-etherification via the Oxidative Umpolung of Bromide Ion. (Grad. Sch. Sci., Chiba Univ.) IZUMISAWA, Yuhta; MORIYAMA, Katsuhiko; TOGO, Hideo

Chair: HONDA, Kiyoshi (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(3B6-54, 3B6-55, 3B6-56, 3B6-57)

3B6-54 Introduction of carbon units to electron-deficient alkyne using conjugate addition and Cope rearrangement (Fac. Sci., Yamaguchi Univ.) OZAWA, Ryota; TAO, Keisuke; MURAFUJI, Toshihiro; KAMIJO, Shin

3B6-55 Stereoselective Claisen Rearrangement of α -Imino Allyl Esters Utilizing N-Alkylation Reaction (Grad. Sch. Eng., Mie Univ.) FUKAYA,

Toshikazu; MIZOTA, Isao; SHIMIZU, Makoto

3B6-56 Microwave Effect on the Catalytic Enantioselective Claisen Rearrangement (Fac. Sci. Tech., Keio Univ.) NUSHIRO, Kazuya; KIKUCHI, Satoshi; YAMADA, Tohru

3B6-57 Reaction of phosphorous ylide generated from HMPT and CFBr₃ with carbonyl compounds (RIKEN; Fac. Eng., Saitama Univ.; ERATO-JST) KAKUMOTO, Daiki; NISHIZAWA, Eri; HIRAI, Go; CHIHARA, Teiji; SODEOKA, Mikiko

Room B7

E&S Bldg. ES033

Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds

Thursday, March 27, AM

Chair: AKAGAWA, Kengo (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1B7-01, 1B7-03, 1B7-04, 1B7-05, 1B7-06)

1B7-01* Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Imines with β -Substituted Propiolylopyrazoles Induced by Chiral π -Cation Catalysts (Grad. Sch. Eng., Nagoya Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; JST CREST) HORI, Masahiro; SAKAKURA, Akira; ISHIHARA, Kazuaki

1B7-03 Development of Enantio- and Diastereoselective Hetero-Diels-Alder Reaction of Allylsilanes with α -Keto Esters Induced by Chiral π -Cation Catalysts (Grad. Sch. Eng., Nagoya Univ.; JST CREST; Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SUZUKI, Takahiro; SAKAKURA, Akira; ISHIHARA, Kazuaki

1B7-04 Nucleophilic Addition Reaction to Iminium Salts Generated from Cyclic Amino Ketene Silyl Acetals and Its Applications (Grad. Sch. Eng., Mie Univ.) YATO, Atsuhiro; SHIMIZU, Makoto

1B7-05 Construction of polycyclic skeletons by intramolecular Diels-Alder reaction with benzyne and phenol (Grad. Sch. Sci., Eng., Tohoku Tech) YAGISHITA, Hiroto; HAYASHI, Taiki; TAKIGUCHI, Hiromu; OHMORI, Ken; SUZUKI, Keisuke

1B7-06 Development of Kinetic Resolution of β and γ -Position of Tetralone Derived β -Ketoesters based on Asymmetric α -Hydroxylation by using a Guanidine-Urea Bifunctional Organocatalyst (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ODAGI, Minami; FURUKORI, Kota; SATO, Makoto; YAMANAKA, Masahiro; NAGASAWA, Kazuo

Chair: NARUSE, Yuji (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1B7-08, 1B7-10, 1B7-11, 1B7-12, 1B7-13)

1B7-08* Chiral Bronsted Acid Catalyzed Kinetic Resolution of Aminoalcohols Utilizing Intermolecular Acetalization (Grad. Sch. Sci., Tohoku Univ.) YAMANAKA, Takuto; KONDOH, Azusa; TERADA, Masahiro

1B7-10 Chiral Phosphoric Acid Catalyzed Kinetic Resolution of Indolines using Aldehydes as Resolving Reagents (Fac. Sci., Gakushuin Univ.) SAITO, Kodai; AKIYAMA, Takahiko

1B7-11 The First Non-enzymatic Dynamic Kinetic Resolution of Racemic 2-(1H-Pyrrol-1-yl)alkanoic Acids Using MA-BTM Combined System (Fac. Sci., Tokyo Univ. of Sci.) TENGEIJI, Atsushi; NAKAHARA, Takayoshi; SHIINA, Isamu

1B7-12 Kinetic Resolution of Racemic 2-Hydroxyketones and Those Equivalents by the Asymmetric Esterification Using MA-BTM Combined System (Fac. Sci., Tokyo Univ. of Sci.) ZHANG, Qi; NAKAHARA, Takayoshi; ISHIKAWA, Ryo; NAKATA, Kenya; SHIINA, Isamu

1B7-13 Kinetic Resolution of Racemic Propargylalcohols Using MA-BTM Combined System and Diversity-oriented Synthesis of Peroxybotcinin Derivatives (Fac. Sci., Tokyo Univ. of Sci.) OKUYAMA, Hiroshi; SHIINA, Isamu

Chair: KONDOH, Azusa (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1B7-15, 1B7-16, 1B7-17, 1B7-18, 1B7-19, 1B7-20)

1B7-15 Asymmetric synthesis of planar-chiral metallocenyl compounds by a peptide catalyst (IIS, The Univ. of Tokyo) AKIYAMA, Midori; AKAGAWA, Kengo; KUDO, Kazuaki

1B7-16 Development of a highly active peptide catalyst by a library method (IIS, The Univ. of Tokyo) SAKAI, Nobutaka; AKAGAWA, Kengo; KUDO, Kazuaki

1B7-17 Synthesis of Modified Tamoxifen Derivatives Using Three-component Coupling Reaction among Aromatic Aldehydes, 2,2,3-Trimethyl-2-silapent-4-ene and Anisole Promoted by Lewis Acid (Fac. Sci., Tokyo Univ. of Sci.) WATANABE, Chihiro; UETAKE, Shoko; MIZUSAWA, Akihito; SHIINA, Isamu

1B7-18 Importance of Geminal Delocalization in the Vicinal Bond Participation: Felkin-Anh Model and (Extended) Anomeric Effect (Fac. Eng., Gifu Univ.) HASEGAWA, Yosuke; NARUSE, Yuji

- 1B7-19** Geminal Bond Participation in Torquoselectivity of Electrocyclic Ring-Opening Reaction of 5-Oxa-8-thiaspiro[3.4]oct-1-ene (Fac. Eng., Gifu Univ.) NAYUKI, Taro; NARUSE, Yuji
- 1B7-20** Geminal Bond Participation is Essential for the Contradictory Torquoselectivities in the Retro-Nazarov Reactions (Fac. Eng., Gifu Univ.) TOKUNAGA, Masanari; NARUSE, Yuji

Thursday, March 27, PM

Chair: MITSUDO, Koichi (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(1B7-28, 1B7-29, 1B7-30, 1B7-31, 1B7-33)
- 1B7-28** Oxidative Synthesis of β -Hydroxy Sulfones Using Catalytic Iodine and Molecular Oxygen (Gifu Pharm. Univ.) KARIYA, Atsumasa; YAMAGUCHI, Tomoaki; TADA, Norihiro; MIURA, Tsuyoshi; ITOH, Akichika
- 1B7-29** Oxidative Synthesis of Lactone Imine Using Hypervalent Iodine (Grad. Sch. Mat. Sci., Univ. of Hyogo) TAKESUE, Takuya; FUJITA, Morifumi; SUGIMURA, Takashi
- 1B7-30** Synthesis of Biologically Active Compounds Using Chiral Hypoiodite-Catalyzed Enantioselective Oxidative Cycloamination (Grad. Sch. Eng., Nagoya Univ.; JST CREST) SUZUKI, Daisuke; OKAMOTO, Hiroaki; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 1B7-31*** Chiral Hypoiodite-Catalyzed Enantioselective Oxidative Cycloetherification to 2-Acylchromans and Investigation of Catalytic Mechanism (Grad. Sch. Eng., Nagoya Univ.; JST CREST) HAYASHI, Hiroki; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 1B7-33** Oxidative Dearomatization of Phenol Derivatives Using Hypoiodite Salt Catalysts (Sch. Eng., Nagoya Univ.; JST CREST) NISHIOKA, Kohei; OHORI, Kento; UYANIK, Muhammet; ISHIHARA, Kazuaki

Chair: YASUDA, Makoto (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(1B7-35, 1B7-37, 1B7-38, 1B7-39, 1B7-40)
- 1B7-35*** One-pot Construction of a Spirocyclic Framework by Oxidative ortho-Quinone Methide Formation, 1,4-Addition and Asymmetric Dearomatization Tandem Catalyzed by Iron Complexes (Grad. Sch. Sci., Kyushu Univ.; I-CNER, Kyushu Univ.) OGUMA, Takuya; KATSUKI, Tsutomu
- 1B7-37** Chiral Hypervalent Iodine(III) Catalysis for Enantioselective Synthesis of *ortho*-Benzoquinone Monoacetals (Grad. Sch. Eng., Nagoya Univ.; JST CREST) SASAKURA, Niiha; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 1B7-38** Chiral Hypervalent Iodine(III)-Catalyzed Enantioselective Oxidative Dearomatization of Phenols to 2,5-Cyclohexadienones (Sch. Eng., Nagoya Univ.; JST CREST) MIZUNO, Masahiro; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 1B7-39** Oxidative cyclization of 1,5-dienes mediated by an Os(III) complex catalyst with hydrogen peroxide as an oxidant (Grad. Sch. Eng., Osaka Univ.) KANETAKE, Takayuki; SUGIMOTO, Hideki; ITOH, Shinobu
- 1B7-40** Aerobic Baeyer-Villiger oxidation by using biogenous iron oxide (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MANDAI, Kyoko; HANATA, Minae; MITSUDO, Koichi; MANDAI, Hiroki; HASHIMOTO, Hideki; TAKADA, Jun; SUGA, Seiji

Chair: UYANIK, Muhammet (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(1B7-42, 1B7-43, 1B7-44, 1B7-45, 1B7-47)
- 1B7-42** Bromine Radical Mediated [3+2] Cycloaddition Reaction of Vinylcyclopropanes with Allylic Bromides (Grad. Sch. Sci., Osaka Pref. Univ.) HAMAOKA, Kanako; KIPPO, Takashi; RYU, Ilhyong
- 1B7-43** Gallium Tribromide Accelerated Alkynylation of α -Halo Carbonyl Compounds with Alkynylstannanes by UV Irradiation (Grad. Sch. Eng., Osaka Univ.) SUZUKI, Itaru; ESUMI, Naoto; YASUDA, Makoto; BABA, Akio
- 1B7-44** Development of Efficient Photo Oxidation Using Micro and Nanobubbles (Grad. Sch. Eng., Shizuoka Univ.) SAKAI, Takuma; MASE, Nobuyuki
- 1B7-45**** Dehydrogenation of primary alcohols using metal oxide photocatalysts under visible light irradiation (RCMS, Nagoya Univ.; Grad. Sch. Sci., Nagoya Univ.; Inst. Adv. Res., Nagoya Univ.; Fac. Sci., Tokyo Univ. of Sci.) NAKA, Hiroshi; LIU, Zijun; CANER, Joaquim; KUDO, Akihiko; NOYORI, Ryoji; SAITO, Susumu
- 1B7-47** Enantioselective radical addition to α -methylene- β -hydroxy esters using chiral dinitrons as an asymmetric catalyst (Grad. Sch. Human. Sci., Ochanomizu Univ.) SANO, Anna; YAJIMA, Tomoko; MANABE, Naoko

Chair: NISHIBAYASHI, Yoshiaki (17 : 00~17 : 40)

- * 16:50-17:00: interval for laptop PC connection.(1B7-49, 1B7-50, 1B7-51, 1B7-52)
- 1B7-49*** Visible Light-Mediated Chan-Lam Coupling Reactions of Arylboronic Acids and Amines (Grad. Sch. Sci., The Univ. of Tokyo) YOO, Woo-Jin; TSUKAMOTO, Tatsuhiro; KOBAYASHI, Shu
- 1B7-50** Visible Light-Mediated Ullmann-Type Coupling Reactions of Aryl Iodides and Alcohols (Grad. Sch. Sci., The Univ. of Tokyo) TSUKAMOTO, Tatsuhiro; YOO, Woo-Jin; KOBAYASHI, Shu

- 1B7-51** Formal Insertion of Photochemically Generated Siloxycarbenes into Diborons (Grad. Sch. Sci., Eng., Tokyo Tech) ASHIDA, Ryo; IWASAWA, Nobuharu; KUSAMA, Hiroyuki
- 1B7-52** Cycloaddition Reaction of Pyridine Ylides Generated from Siloxycarbene and Pyridine Derivatives (Grad. Sch. Sci., Eng., Tokyo Tech) ICHIKAWA, Kenichi; TADAMI, Satoshi; IWASAWA, Nobuharu; KUSAMA, Hiroyuki

Chair: YAJIMA, Tomoko (17 : 50~18 : 30)

- * 17:40-17:50: interval for laptop PC connection.(1B7-54, 1B7-55, 1B7-56, 1B7-57)
- 1B7-54** Visible Light-Mediated Synthesis of γ -Lactams from α -Silylamines (Grad. Sch. Eng., The Univ. of Tokyo) KITAGAWA, Mai; ASHIDA, Yuya; NAKAJIMA, Kazunari; MIYAKE, Yoshihiro; NISHIBAYASHI, Yoshiaki
- 1B7-55** Visible Light-Mediated Addition of α -Aminoalkyl Radicals to Corannulene (Grad. Sch. Eng., The Univ. of Tokyo) ASHIDA, Yuya; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki
- 1B7-56** Radical Cascade Reaction using CO and Sulfonyle Oxime Ether as Double C-1 Units (Grad. Sch. Sci., Osaka Pref. Univ.; University of Bordeaux 1 Institute for Molecular Sciences) SUMINO, Shuhei; FUKUYAMA, Takahide; SASANO, Mika; RYU, Ilhyong; JACQUET, Antoine; ROBERT, Frederic; LANDAIS, Yannick
- 1B7-57** Free-Radical-Mediated Three Component Coupling Reaction of Allenes, Electron-Deficient Alkenes, and Allyl Bromides (Grad. Sch. Sci., Osaka Pref. Univ.) KIPPO, Takashi; RYU, Ilhyong

Friday, March 28, AM

Chair: OISAKI, Kounosuke (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2B7-01, 2B7-02, 2B7-03, 2B7-04, 2B7-05, 2B7-06)
- 2B7-01** Studies on oxidation of benzylic alcohols to benzoic acid derivatives using bromide ion as catalyst. (Fac. Sci., Kochi Univ.) MAEJIMA, Yukako; NAGANO, Takashi
- 2B7-02** Sulfuryl Chloride as an Initiator for the Metal-Free Cross-Dehydrogenative Coupling Reaction (Grad. Sch. Sci., The Univ. of Tokyo) TANOUÉ, Arata; YOO, Woo-Jin; KOBAYASHI, Shu
- 2B7-03** Glycol Cleavage Using Sodium Hypochlorite Catalyzed by Iodobenzene (Fac. Sci. Tech., SIST) YAMAZAKI, Kento; MATSUSHIMA, Ryoji; SONE, Wataru; Iwai, Toshiaki; KIRIHARA, Masayuki
- 2B7-04** Hypervalent Iodine(V)-Catalyzed *ortho*-Selective Oxidation of Phenols with Oxone to 1,2-Quinols (Grad. Sch. Eng., Nagoya Univ.; JST CREST) MUTSUGA, Tatsuya; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 2B7-05** Synthesis of Arylquinones from Hydroquinones Using Tandem One-Pot Oxidation/Cross Coupling Reactions (Grad. Sch. Eng., Nagoya Univ.; JST CREST) NAGATA, Dai; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 2B7-06** Oxidative α -Imidation and α -Azidation of Carbonyl Compounds Using Hypoiodite Catalysis (Grad. Sch. Eng., Nagoya Univ.; JST CREST) TSUKAHARA, Mayuko; UYANIK, Muhammet; ISHIHARA, Kazuaki

Chair: UYANIK, Muhammet (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2B7-08, 2B7-09, 2B7-10, 2B7-11, 2B7-12, 2B7-13)
- 2B7-08** Serine-Selective Aerobic Chain Cleavage of Peptides (Grad. Sch. Pharm., The Univ. of Tokyo) SEKI, Yohei; TANABE, Kana; SASAKI, Daisuke; SOHMA, Youhei; OISAKI, Kounosuke; KANAI, Motomu
- 2B7-09** Photo-induced introduction of vinyl unit to C(sp³)-H bonds (Fac. Sci., Yamaguchi Univ.) WATANABE, Mizuki; TAO, Keisuke; MURAFUJI, Toshihiro; KAMIJO, Shin
- 2B7-10** Catalytic Chlorination of 1,3-Dicarbonyl Compounds by Means of Electrochemical Oxidation (Fac. Sci. Tech., Keio Univ.) TSUCHIDA, Kazuya; KOCHI, Takuya; KAKIUCHI, Fumitoshi
- 2B7-11** Pinacol Coupling of Carbonyl Compounds Using SmI₂/Sm/Me₃SiCl Mixed System (Sch. Eng., Osaka Pref. Univ.) SAEKI, Tomokazu; YOSHIMURA, Aya; OGAWA, Akiya
- 2B7-12** Development of Eco-friendly Oxidation of Alcohols Using Vanadium Catalysts in Water (Grad. Sch. Eng., Osaka Pref. Univ.) HIGASHIURA, Yuuki; MARUI, Kuniaki; NOMOTO, Akihiro; UESHIMA, Michio; OGAWA, Akiya
- 2B7-13** Copper-Catalyzed Oxidation of Benzylamines with H₂O₂ in H₂O as Solvent (Grad. Sch. Eng., Osaka Pref. Univ.) MARUI, Kuniaki; HIGASHIURA, Yuuki; NOMOTO, Akihiro; UESHIMA, Michio; OGAWA, Akiya

Chair: NOMOTO, Akihiro (11 : 20~12 : 10)

- * 11:10-11:20: interval for laptop PC connection.(2B7-15, 2B7-16, 2B7-17, 2B7-18, 2B7-19)
- 2B7-15** Regioselectivity in C-H/C-C Conversion by Radical Reactions Using Photocatalyst (Fac. Sci., Osaka Pref. Univ.) OKADA, Megumi; FUKUYAMA, Takahide; RYU, Ilhyong
- 2B7-16** Asymmetric borane reduction of trifluoroacetophenone using chiral lactam alcohol-additive effect of p-I-PhOH (Fac. Agr., Kagawa Univ.) TAKAKURA, Chihiro; YANAGITA, Ryo; KAWANAMI, Yasuhiro
- 2B7-17** Reductive S_N2' reaction of epoxy unsaturated ester with BH₃ (Fac.

Eng., Kogakuin Univ.) FURUKAWA, Kouki; NAKANO, Taeko; YASUI, Eiko; MIYASHITA, Masaaki; NAGUMO, Shinji

2B7-18 Metal-Free Cyclopropanation Using Organic Reducing Reagent (Sch. Eng. Sci., Osaka Univ.) YURINO, Taiga; TSURUGI, Hayato; MASHIMA, Kazushi

2B7-19 Highly selective transfer semihydrogenation of alkynes catalyzed by nanoporous gold catalyst (WPI-AIMR, Tohoku Univ.) WAGH, Yogesh; ASAO, Naoki

Friday, March 28, PM

Chair: KOMEYAMA, Kimihiro (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2B7-28, 2B7-29, 2B7-30, 2B7-31, 2B7-32, 2B7-33)

2B7-28 Utilizing LASC-SWNT interaction for new catalysis in water (Grad. Sch. Sci., The Univ. of Tokyo) XU, Pengyu; KITANOSONO, Taku; KOBAYASHI, Shu

2B7-29 LASC-catalyzed asymmetric Mukaiyama aldol reaction in water (Grad. Sch. Sci., The Univ. of Tokyo) MASAKI, Nobuhisa; KITANOSONO, Taku; KOBAYASHI, Shu

2B7-30 Effects of surfactant-type Brønsted acid catalysts for dehydrative nucleophilic substitution reactions in water (Grad. Sch. Sci., The Univ. of Tokyo) MURATA, Naohiro; YAGYU, Daisuke; KITANOSONO, Taku; KOBAYASHI, Shu

2B7-31 Chiral Supramolecular Magnesium(II) Binaphtholate Catalysts for the Enantioselective Direct Mannich-Type Reaction and Hetero Diels-Alder Reaction (Grad. Sch. Eng., Nagoya Univ.) YAMASHITA, Kenji; HORIBE, Takahiro; HATANO, Manabu; ISHIHARA, Kazuaki

2B7-32 Higher Ordered Stereoselective Diels-Alder Reaction of Acetylenes as Dienophiles Induced by Chiral Tailor-Made Supramolecular Lewis Acid Catalysts (Grad. Sch. Eng., Nagoya Univ.) SAKAMOTO, Tatsuhiko; GOTO, Yuta; MIZUNO, Tomokazu; HATANO, Manabu; ISHIHARA, Kazuaki

2B7-33 Enantioselective Diels-Alder Reaction of alpha-Haloacroleins with 1,2-Dihydropyridines Catalyzed by Lewis Acid-Assisted Chiral Phosphoric Acid and the Synthetic Application (Grad. Sch. Eng., Nagoya Univ.; JST CREST) GOTO, Yuta; HATANO, Manabu; ISHIHARA, Kazuaki

Chair: KANO, Taichi (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2B7-35, 2B7-37, 2B7-38, 2B7-39, 2B7-40)

2B7-35* Study of heterogeneous organic reactions using real-time reaction monitoring with mass spectrometry (Grad. Sch. Sci., The Univ. of Tokyo) MASUDA, Koichiro; KOBAYASHI, Shu

2B7-37 Highly efficient and expedient method for catalytic construction of hydrogen isotope chirality (Grad. Sch. Sci., The Univ. of Tokyo) KITANOSONO, Taku; KOBAYASHI, Shu

2B7-38 Synthesis of 2,4-diazido-2-alkenoates employing Lewis acid-promoted reaction of 2,2-dimethoxy-3-alkenoates with trimethylsilyl azide (Coll. Sci. Eng., Aoyama Gakuin Univ.) KISHII, Naomi; NEGISHI, Saeka; YAMADA, Takeshi; SUGIMURA, Hideyuki

2B7-39 Diastereoselective Iodoaldol Reaction of γ -Alkoxy- α , β -Alkynyl Ketone Derivatives Promoted by Titanium Tetraiodide (Grad. Sch. Eng., Mie Univ.) KAYAKI, Shota; HACHIYA, Iwao; SHIMIZU, Makoto

2B7-40 Electrophilic hydrocarboxylation of alkenes with carbon dioxide activated by Lewis acid (Grad. Sch. Eng., Tohoku Univ.) CHIBA, Masafumi; TANAKA, Shinya; HATTORI, Tetsutaro

Chair: ARAI, Takayoshi (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(2B7-42, 2B7-43, 2B7-44, 2B7-46, 2B7-47)

2B7-42 Asymmetric boron conjugate additions to imines in water (Grad. Sch. Sci., The Univ. of Tokyo) KITANOSONO, Taku; ISSHIKI, Satoshi; XU, Pengyu; KOBAYASHI, Shu

2B7-43* Cu(II) catalysis in asymmetric boron conjugate additions in organic solvents (Grad. Sch. Sci., The Univ. of Tokyo) ZHU, Lei; KITANOSONO, Taku; XU, Pengyu; KOBAYASHI, Shu

2B7-44* Stereoselective synthesis of densely heterofunctionalized molecules by secondary amine catalysts (Grad. Sch. Sci., Kyoto Univ.) SAKAMOTO, Ryu; KANO, Taichi; MARUOKA, Keiji

2B7-46 Regiocontrol in chiral amine-catalyzed addition of aldehydes to α , β -unsaturated aldehydes (Grad. Sch. Sci., Kyoto Univ.) MARUYAMA, Hiroki; KANO, Taichi; MARUOKA, Keiji

2B7-47 Studies and development of new remote asymmetric induction type aldol reaction (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) SAGAWA, Naoya; HOSOKAWA, Seijiro

Chair: YAMADA, Takeshi (17 : 00~17 : 30)

* 16:50-17:00: interval for laptop PC connection.(2B7-49, 2B7-50, 2B7-51)

2B7-49 Mukaiyama Aldol Reaction of Fluorine Containing Enol Silyl ether (Grad. Sch. Eng., Tottori Univ.) TAKAYANAGI, Keisuke; FUKAYA, Yukinobu; NOKAMI, Toshiaki; ITOH, Toshiyuki

2B7-50 Asymmetric Aza-Henry Reaction Using Isatin-derived Ketimines Catalyzed by Chiral Bis(imidazolone)pyridine-metal Complex (Grad. Sch. Sci., Chiba Univ.) MATSUMURA, Eri; ARAI, Takayoshi

2B7-51 NHC-catalyzed double acylation of α , β -unsaturated ketones with benzil (Grad. Sch. Eng., Hiroshima Univ.) OHNO, Akira; HINO, Makoto; SHITAOKA, Takashi; KOMEYAMA, Kimihiro; YOSHIDA, Hiroto; TAKAKI, Ken

Saturday, March 29, AM

Chair: MATSUBARA, Seijiro (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3B7-01, 3B7-02, 3B7-03, 3B7-04, 3B7-05, 3B7-06)

3B7-01 Investigation of the boronic Mannich reaction using *N*-pyrrovlamino acid derivatives as oxo components (Konan Univ.) MIYAZAWA, Toshifumi; UENISHI, Keisuke; MARUYAMA, Takuma; DANJO, Hiroshi

3B7-02 Synthesis of Oxindole Derivatives Bearing Chiral Quaternary Carbon Centers with Chiral Calcium Catalysts (Grad. Sch. Sci., The Univ. of Tokyo) SHIMIZU, Shota; Tsubogo, Tetsu; KOBAYASHI, Shu

3B7-03 Nucleophilic Addition of Nitriles to Nitrones under Mild Silylation Conditions (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) ABE, Taiki; YOSHIMURA, Fumihiko; TANINO, Keiji

3B7-04 Highly Stereoselective Synthesis of Imidazolines Catalyzed by Cinchona Alkaloid Amides/Copper(II) Complexes (Nagoya Inst. of Tech.) IWANAGA, Masaru; SHIOMI, Noriyuki; HAYASHI, Masashi; NAKAMURA, Shuichi

3B7-05 One-Pot Synthesis of Aromatic Nitriles from Arenes without using Metal Cyanides (Grad. Sch. Sci., Chiba Univ.) TAMURA, Toshiyuki; NAKAI, Yuta

3B7-06 One-pot Synthesis of 2-Cyanophenols from Phenols (Grad. Sch. Sci., Chiba Univ.) NAKAI, Yuta; MORIYAMA, Katsuhiko; TOUGOU, Hideo

Chair: NAKAMURA, Shuichi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3B7-08, 3B7-09, 3B7-10, 3B7-11, 3B7-12, 3B7-13)

3B7-08 Enantioselective Synthesis of Chromans and Indolines via an Intramolecular Hetero-Michael Additions by Bifunctional Organocatalysts (Grad. Sch. Eng., Kyoto Univ.) MIYAJI, Ryota; ASANO, Keisuke; MATSUBARA, Seijiro

3B7-09 Development of Catalytic Asymmetric 1,4-Addition Reactions of Esters and Amides Based on the Product Base Mechanism (Grad. Sch. Sci., The Univ. of Tokyo) SUZUKI, Hirotsugu; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

3B7-10 Development of Catalytic Asymmetric 1,4-Addition Reactions of Alkyl Nitriles Based on the Product Base Mechanism (Grad. Sch. Sci., The Univ. of Tokyo) YAMASHITA, Yasuhiro; SATO, Io; SUZUKI, Hirotsugu; KOBAYASHI, Shu

3B7-11 Anti Selective Asymmetric Nitro-Michael Reaction of 2(3H)-furanones Catalyzed by Alkaloid Catalysts (Grad. Sch. Eng., Osaka City Univ.) SEKIKAWA, Tohru; KITAGUCHI, Takayuki; MINAMI, Tatsuya; HATANAKA, Yasuo

3B7-12 Development of catalytic asymmetric Michael reactions of α -alkylidene β -keto imides (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) OYAMA, Harufumi; ENOMOTO, Kazuaki; NAKADA, Masahisa

3B7-13 Catalytic asymmetric [2+2] cycloaddition reactions of α -alkylidene β -keto imides (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) OYAMA, Harufumi; ENOMOTO, Kazuaki; NAKADA, Masahisa

Chair: MINAMI, Tatsuya (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(3B7-15, 3B7-16, 3B7-17, 3B7-18)

3B7-15 Asymmetric Michael Addition Reaction of 2-Alkylcycloalkanones Using Chiral Organocatalysts (Fac. Sci., Kochi Univ.) KAMEI, Kouhei; WATANABE, Riki; TATSUMI, Naoki; KOTSUKI, Hiyoisho

3B7-16 Tandem *N*-alkylation / Michael Addition to α -Imino Thioester (Grad. Sch. Eng., Mie Univ.) YUN, Tesong; MIZOTA, Isao; SHIMIZU, Makoto

3B7-17 Catalytic Asymmetric Michael Reaction of Cyclic Unsaturated Keto Phosphonate (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) NAGATANI, Kotaro; NAKADA, Masahisa; MINAMI, Atsushi

3B7-18* Enantioselective 1,4-Addition Catalyzed by Optically Active Cobalt (III) Complexes (Grad. Sch. Sci. Tech., Keio Univ.) Tsubo, Toshiyuki; KIKUCHI, Satoshi; YAMADA, Tohru

Saturday, March 29, PM

Chair: SHIINA, Isamu (17 : 00~17 : 40)

* 16:50-17:00: interval for laptop PC connection.(3B7-49, 3B7-50, 3B7-51, 3B7-52)

3B7-49 Synthesis of Substituted Polyacene Derivative by Ring Selective Generation of Isobenzofuran (Sch. Sci. Tech., Kwansei Gakuin Univ.) AKITA, Rie; KAWANISHI, Kazuki; HAMURA, Toshiyuki

3B7-50 Generation and Cycloaddition of Didehydroisobenzofuran by Using Dibromoisobenzofuran (Sch. Sci. Tech., Kwansei Gakuin Univ.) MATSUOKA, Suguru; SUGIMOTO, Ryo; CHUDA, Yu; HAMURA, Toshiyuki

3B7-51 Synthesis and Stereochemical Study of (1,10)Anthracenophane (Sch. Sci. Tech., Kwansei Gakuin Univ.; IMCE, Kyushu Univ.) HAMURA,

Toshiyuki; MATSUOKA, Suguru; OGAWA, Kouhei; IGAWA, Kazunobu; TOMOOKA, Katsuhiko

- 3B7-52** Endocyclic Heteroatom Effect on Distortion and Reactivity of Medium-sized Alkenes (IMCE, Kyushu Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) IGAWA, Kazunobu; NI, Runyan; MITSUDA, Naoto; TOMOOKA, Katsuhiko

Chair: SHOJI, Mitsuru (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(3B7-54, 3B7-55, 3B7-56, 3B7-57)

- 3B7-54** Regiospecific synthesis of poly-substituted naphthalenes through activation of silyl acetal functionality (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.) ISHII, Nobuyuki; MATSUMOTO, Takashi; YANAI, Hikaru

- 3B7-55** Development of Enantioselective β -Elimination of Silacyclopentene Oxide (IMCE, Kyushu Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) YOSHIHIRO, Daisuke; ABE, Yusuke; IGAWA, Kazunobu; TOMOOKA, Katsuhiko

- 3B7-56** Development of new Julia type olefination reagents (Fac. Eng., Gifu Univ.) UCHIDA, Nariaki; ANDO, Kaori

- 3B7-57** Preperation of Flavin-bound Microporous Polymers and Their Catalysis for Hydrogenation of Olefins (The Univ. of Tokushima) SATO, Fumiaki; ARAKAWA, Yukihiko; MINAGAWA, Keiji; IMADA, Yasushi

Room B8

E&S Bldg. ES034

Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds

Thursday, March 27, AM

Chair: FUJITA, Takeshi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1B8-01, 1B8-02, 1B8-03, 1B8-04, 1B8-05)

- 1B8-01** Difunctionalization-type trifluoromethylation of acryloanilides (RIKEN; Grad. Sch. Sci., Eng., Saitama Univ.) SHIMIZU, Ryo; EGAMI, Hiromichi; SODEOKA, Mikiko

- 1B8-02** Trifluoromethylation of olefins with concomitant 1,2-aryl migration (ERATO, JST; RIKEN Synthetic Organic Chemistry Laboratory) EGAMI, Hiromichi; SHIMIZU, Ryo; USUI, Yoshihiko; SODEOKA, Mikiko

- 1B8-03** Base-promoted trifluoromethylation of simple olefins (RIKEN; Grad. Sch. Sci., Eng., Saitama Univ.) USUI, Yoshihiko; EGAMI, Hiromichi; CHIHARA, Teiji; SODEOKA, Mikiko

- 1B8-04** An Efficient Synthesis of Fluoroalkyl-Substituted Phthalides (Grad. Sch. Eng., Gunma Univ.) INABA, Masanori; SHINADA, Shun; NISHINA, Yuta; AMII, Hideki

- 1B8-05*** Aminotrifluoromethylation of olefins via cyclic amine formations (ERATO, JST) KAWAMURA, Shintaro; EGAMI, Hiromichi; MIYAZAKI, Ayako; SODEOKA, Mikiko

Chair: FUCHIBE, Kohei (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1B8-08, 1B8-09, 1B8-10, 1B8-11, 1B8-12, 1B8-13)

- 1B8-08** Stereoselective syntheses of CF₃-containing alcohols via Claisen rearrangement (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ORIMO, Kazuya; KAWASAKI-TAKASUKA, Tomoko; YAMAZAKI, Takashi

- 1B8-09** Novel syntheses and latent heat properties of perfluoroalkyl-containing D-glucose derivatives (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKASAWA, Kaito; HIKAGE, Reo; KAWASAKI-TAKASUKA, Tomoko; YAMAZAKI, Takashi

- 1B8-10** Expedient Construction of Trifluoromethyl-Substituted Isoquinoline Skeleton by Internal Redox Process (Faculty of Science, Gakushuin University) UMEHARA, Nobuaki; MORI, Keiji; AKIYAMA, Takahiko

- 1B8-11** Synthetic application of 4,4,4-trifluoro-2-butyne-1-ones (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) NAKAJIMA, Yo; KAWASAKI-TAKASUKA, Tomoko; YAMAZAKI, Takashi

- 1B8-12** Synthesis of Monofluorocyclopropanes without Using Ferons: Synthesis and Reactivity of 1-fluoro-1-phenylsulfenylcyclopropanes (Fac. Sci. Tech., SIST) KISHIDA, Mari; OGATA, Tomomi; KINOSHITA, Yukari; KITAGAWA, Saori; KIRIHARA, Masayuki

- 1B8-13** Ring-opening reaction of gem-difluorocyclopropane via radical reaction process (Grad. Sch. Eng., Tottori Univ.) NARITA, Kent; MUNEMORI, Daisuke; NOKAMI, Toshiki; ITOH, Toshiyuki

Chair: TOKUNAGA, Etsuko (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1B8-15, 1B8-16, 1B8-17, 1B8-18, 1B8-19, 1B8-20)

- 1B8-15** Organocatalytic Generation of Difluorocarbene: Difluoromethylation of Thioamides (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) BANDO, Masaki; FUCHIBE, Kohei; ICHIKAWA, Junji

- 1B8-16** Decarboxylative route for the synthesis of aromatic compounds bearing (α -thiophenyl)difluoromethyl group (Grad. Sch. Eng., Gunma Univ.) KIMURA, Hitomi; TOMIZAWA, Eri; AMII, Hideki

- 1B8-17** A New Route To Aromatic Fluoromethylated Compounds (Grad. Sch. Eng., Gunma Univ.) MORIOKA, Ryou; AMII, Hideki

- 1B8-18** Stereospecific Difluoromethylation on sp³ Carbon Center (Grad. Sch. Sci., Eng., Tokyo Tech) HASHIMOTO, Ryota; MARUYAMA, Kenichi; AIKAWA, Kohsuke; MIKAMI, Koichi

- 1B8-19** Novel Introduction of the Tetrafluoroethylene Unit into Aromatic Rings (KIT) WATANABE, Yusuke; KONNO, Tsutomu

- 1B8-20** Synthetic applications of 2,3,3,3-tetrafluoropropene (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) HIRAOKA, Yuya; KAWASAKI-TAKASUKA, Tomoko; YAMAZAKI, Takashi

Thursday, March 27, PM

Chair: AIKAWA, Kohsuke (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1B8-28, 1B8-29, 1B8-30, 1B8-32, 1B8-33)

- 1B8-28** Lewis Acid-Promoted Allylic C-F Bond Activation: Synthesis of 3,3-Difluoroallylbenzene Derivatives (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) HATTA, Hibiki; NISHIKIORI, Yuka; OH, Ken; FUCHIBE, Kohei; ICHIKAWA, Junji

- 1B8-29** Synthesis of Oxazolidinones via Selective C-F Bond Activation and their Biological Evaluations (Fac. Eng. Nagoya Inst. of Tech.) JUNKI, Tanaka; SATORU, Suzuki; CHISATO, Terada; ETSUKO, Tokunaga; SHIBATA, Norio

- 1B8-30*** Iodoarene-catalyzed Fluorination by Ar-I/HF/mCPBA system (Nagoya Inst. of Tech.) SUZUKI, Satoru; KAMO, Tomohiro; HIRAMATSU, Takaaki; TOKUNAGA, Etsuko; SHIBATA, Norio

- 1B8-32** Chiral metal phosphate catalyzed asymmetric fluorination of β -keto esters (Faculty of Science, Gakushuin University) MIYAKE, Ayaka; MORI, Keiji; AKIYAMA, Takahiko

- 1B8-33** Enantioselective Fluorination of α -Branched Aldehydes with Novel Chiral Primary Amine Catalysts (Toyoashi Univ. of Tech.) MORIKAWA, Hiroshi; ABE, Yoshiyuki; SHIBATANI, Kazutaka; IWASA, Seiji

Chair: ITO, Shigekazu (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1B8-35, 1B8-36, 1B8-37, 1B8-38, 1B8-39, 1B8-40)

- 1B8-35** Synthesis of α -Pentafluorophenyl Ketones Using Hypervalent Iodine Compounds (Grad. Sch. Eng., Nagoya Inst. of Tech.) MATSUZAKI, Kohei; OKUYAMA, Kenta; TOKUNAGA, Etsuko; SHIBATA, Norio

- 1B8-36** Domino S_N2'-S_NV Reaction between Carbodians and Trifluoromethylalkenes: Construction of Fluorinated Ring Systems (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) FUJITA, Takeshi; TAKAZAWA, Marina; SUGIYAMA, Kazuki; ICHIKAWA, Junji

- 1B8-37** Chiral Nucleophilic Phosphate-Catalyzed Enantioselective Iodolactonization (Grad. Sch. Eng., Nagoya Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; JST CREST) NAKATSUJI, Hidefumi; SAWAMURA, Yasuhiro; SAKAKURA, Akira; ISHIHARA, Kazuaki

- 1B8-38** Phosphite(III)-Urea Cooperative Catalysis for Selective Bromocyclization of 2-Geranylphenols (Grad. Sch. Eng., Nagoya Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; JST CREST) SAWAMURA, Yasuhiro; NAKATSUJI, Hidefumi; SAKAKURA, Akira; ISHIHARA, Kazuaki

- 1B8-39** Catalytic asymmetric halolactonization using chiral bis(aminoimino) binaphthol-zinc trinuclear complex (Grad. Sch. Sci., Chiba Univ.) SUGIYAMA, Noriyuki; ARAI, Takayoshi

- 1B8-40** Asymmetric iodolactonization catalyzed by poly zinc-aminoiminobinaphthoxide complex (Grad. Sch. Sci., Chiba Univ.) KOJIMA, Takahiro; SUGIYAMA, Noriyuki; ARAI, Takayoshi

Chair: ITO, Hajime (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1B8-42, 1B8-43, 1B8-45)

- 1B8-42** Catalytic asymmetric [3+2] cycloaddition of indolyl nitroalkene with α -iminoester for constructing chiral 3-(pyrrolidin-3-yl)-indoles (Grad. Sch. Sci., Chiba Univ.) TOKUMITSU, Chihiro; AWATA, Atsuko; ARAI, Takayoshi

- 1B8-43**** Catalytic asymmetric [3+2] cycloaddition for indole compounds containing quaternary chiral carbon center (Grad. Sch. Sci., Chiba Univ.) AWATA, Atsuko; ARAI, Takayoshi

- 1B8-45** Young Scholar Lectures of CSJ Hydride Shift Triggered Direct Functionalization of Inert C(sp³)-H bond (Gakushuin University Faculty of Science) MORI, Keiji

Chair: HACHIYA, Iwao (17 : 00~17 : 40)

* 16:50-17:00: interval for laptop PC connection.(1B8-49, 1B8-51, 1B8-52)

- 1B8-49*** Ligand-Enabled Multiple Absolute Stereocontrol in Metal-Catalyzed Cycloaddition for Construction of Contiguous All-Carbon Quaternary Stereocenters (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) IMAGAWA, Naomichi; OHMATSU, Kohsuke; OOI, Takashi

- 1B8-51** Applications of Ion-Paired Ligands for Palladium-Catalyzed Asymmetric [3+2] Cycloaddition of 5-Vinylloxazolidinones with Imines (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) KAWAI, Shinya; OHMATSU, Kohsuke; OOI, Takashi

1B8-52 Tandem Oxidative Addition Using Umpolung Reaction of α -Imino Nitrile (Grad. Sch. Eng., Mie Univ.) FURUKAWA, Yuuki; SHIMIZU, Makoto

Chair: FUJITA, Takeshi (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(1B8-54, 1B8-55, 1B8-56, 1B8-57)

1B8-54 Double C(sp³)-H Bond Functionalization Mediated by Sequential Utilization of Internal Redox Process: Diastereoselective Construction of Polyheterocycles (Gakushuin University Department of Chemistry, Faculty of Science) MORI, Keiji; KURIHARA, Kazuki; YABE, Shinnosuke; YAMANAKA, Masahiro; AKIYAMA, Takahiko

1B8-55 Theoretical Study on Chemoselectivity of Hydride Shift Process in Intramolecular Redox Reaction (Rikkyo University fac. sci.) YABE, Shinnosuke; KURIHARA, Kazuki; MORI, Keiji; AKIYAMA, Takahiko; YAMANAKA, Masahiro

1B8-56 Domino Internal Redox Process Mediated Expedient Construction of Fused Piperidine Derivatives (Faculty of Science, Gakushuin University) ISOGAI, Ryo; MORI, Keiji; AKIYAMA, Takahiko

1B8-57 Synthetic Study of Heterocyclic Compounds Using Cycloaddition Reaction of the Diene Derived from 2,3-Dimethoxy-2,3-dimethyl-1,4-dioxane Derivatives (Grad. Sch. Eng., Mie Univ.) YAMAMOTO, Toshihiro; MIZOTA, Isao; HACHIYA, Iwao; SHIMIZU, Makoto

Friday, March 28, AM

Chair: MIZOTA, Isao (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2B8-01, 2B8-02, 2B8-03, 2B8-04, 2B8-05, 2B8-06)

2B8-01 Catalytic Enantioselective Alkenylation of Aldehydes by Using Lithium Reagents (KIT) OHMURA, Taku; HARADA, Toshiro

2B8-02 Enhanced Activity of Chiral H₈-BINOL Titanium Catalysts by Introduction of Sterically Demanding Aryl Group at 3 Position (KIT) YAMAMURA, Nobuaki; HARADA, Toshiro

2B8-03 Origin of the Enhanced Activity of Chiral Titanium Catalysts Derived from 3-Aryl-H₈-BINOLs (KIT) HAYASHI, Yasuki; KUSUKAWA, Takahiro; HARADA, Toshiro

2B8-04 An Unique Chemoselectivity on Chiral Zinc Bisamidate Catalyzed Mukaiyama Aldol Reaction (Rikkyo University Fac. Sci.) KISHI, Nobutaka; YAMANAKA, Masahiro

2B8-05 Multinuclear Zinc Bisamidate Catalyzed Asymmetric Addition of Et₂Zn to α -Ketoesters (Rikkyo University fac. sci.) DOKI, Shotaro; YAMANAKA, Masahiro

2B8-06 Dinuclear Zinc Bisamidate Catalyzed Enantioselective Hydrophosphonylation of α -Ketoesters (Rikkyo University Fac. Sci) KAIZU, Keisuke; YAMANAKA, Masahiro

Chair: YAMANAKA, Masahiro (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2B8-08, 2B8-10, 2B8-11, 2B8-12, 2B8-13)

2B8-08* Development of Efficient Asymmetric [3+2] Cycloaddition Reactions Using Chiral Copper Amide Catalysts (Grad. Sch. Sci., The Univ. of Tokyo) YOSHIMOTO, Susumu; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

2B8-10 Development of Catalytic Asymmetric *endo*-Selective [3+2] Cycloaddition Reactions of Schiff Bases of α -Aminophosphonates Using Chiral Metal Amide Catalysts (Grad. Sch. Sci., The Univ. of Tokyo) NAM, Liang Cheng; YOSHIMOTO, Susumu; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

2B8-11 Development of Lewis Acid/Metal Amide Hybrid Catalysts and Their Applications to Carbon-carbon Bond Forming Reactions (Grad. Sch. Sci., The Univ. of Tokyo) SAITO, Yuki; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

2B8-12 Development of Novel Alkoxycarbonylation Reaction Catalyzed by Pd-Cu salts (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) FURUYA, Tomoki; SOETA, Takahiro; ENDO, Kohei; UKAJI, Yutaka

2B8-13 Tandem C-C bond formation/cleavage of cyclopropene for allylation reaction using organozinc reagents (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) NAKANO, Takeo; ENDO, Kohei; UKAJI, Yutaka

Chair: YAMASHITA, Yasuhiro (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2B8-15, 2B8-16, 2B8-17, 2B8-18, 2B8-19, 2B8-20)

2B8-15 Ring-Opening of Secondary Epoxy Alcohols with Organocopper Reagents. -Effect of Protecting Group in Regioselectivity- (Kogakuin Univ. Faculty of Engineering) USHIIJIMA, Shodai; TERAYAMA, Naoki; YASUI, Eiko; MIYASHITA, Masaaki; NAGUMO, Shinji

2B8-16 Tandem Reaction Using Umpolung Reaction of α -Imino Thioester Having a Cyclopropyl Group (Grad. Sch. Eng., Mie Univ.) MORIMOTO, Takayoshi; MIZOTA, Isao; SHIMIZU, Makoto

2B8-17 Derivatization of ascofuranone, a potent inhibitor of trypanosome cyanide-insensitive alternative oxidase (Fac. Eng., Tottori Univ.) KUMAMOTO, Izumi; HAGA, Yasushi; TAMURA, Sayuri; YAMAMOTO, Masaichi; KITA, Kiyoshi; IZAWA, Hironori; IFUKU, Shinsuke; MORIMOTO, Minoru; SAIMOTO, Hiroyuki

2B8-18 Structure of trypanosome cyanide-insensitive alternative oxidase in complex with an ascofuranone derivative (Grad. Sch. Eng., Tottori Univ.)

ISHIDE, Yurie; SHIBA, Tomoo; HARADA, Shigeharu; YAMAMOTO, Masaichi; INAOKA, Daniel ken; KITA, Kiyoshi; IZAWA, Hironori; IFUKU, Shinsuke; MORIMOTO, Minoru; SAIMOTO, Hiroyuki

2B8-19 Preparation and application of new HBr solution (Grad. Sch. Sci., Osaka Pref. Univ.) MIFUNE, Ryota; MATSUBARA, Hiroshi; MIYATA, Takuya; NAGASAKI, Noritaka

2B8-20 Chiral nitrogen-ligand containing secondary- and/or tertiary-amine for asymmetric Henry reaction with relevant nucleophilic addition (Grad. Sch. Sci., Chiba Univ.) JOKO, Akinori; SUGIYAMA, Noriyuki; ARAI, Takayoshi

Friday, March 28, PM

Chair: TANIMOTO, Hiroki (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2B8-28, 2B8-29, 2B8-30, 2B8-31, 2B8-32, 2B8-33)

2B8-28 Studies on the synthesis of antitumor meroterpenoids berkeleyones (Grad. Sch. Pharm. Sci., Nagoya City Univ.) SUZUKI, Keisuke; TAKADA, Minetatsu; YAMAKOSHI, Hiroyuki; NAKAMURA, Seiichi

2B8-29 Synthetic study of (-)-Monoterpenylmagnolol (Grad. Sch. Biosci. Biotech., Tokyo Tech) ATSUSHI, Ikoma; DAIKI, Kondo; YUICHI, Kobayashi

2B8-30 Synthetic Study of Biologically Active Artocarpin in Short Steps via a Coupling Reaction (Grad. Sch. Eng., Mie Univ.) TANIGUCHI, Kana; MIZOTA, Isao; SHIMIZU, Makoto

2B8-31 Synthetic study of optically active valerianic acid analogues. (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) IZU, Yukako; SHIRAI, Takashi; TSUMAGATA, Hiroki; KITAYAMA, Takashi

2B8-32 Synthetic Study of Piperidine Alkaloid Himbacine using Dioxanone-Diene (Grad. Sch. Sci., Eng., Tokyo Tech) KITAMURA, Jun; AOKI, Yoshifumi; OHMORI, Ken; SUZUKI, Keisuke

2B8-33 Synthetic Study of (+)-Duocarmycin A (Grad. Sch. Eng., Mie Univ.) KATSURAYAMA, Haruna; SHIMIZU, Makoto

Chair: TAKIZAWA, Shinobu (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2B8-35, 2B8-36, 2B8-37, 2B8-38, 2B8-39, 2B8-40)

2B8-35 Synthetic studies of 19-nor VD₃-A-ring synthon (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TANAMI, Tomoe; ABE, Junko; NAGAI, Yu; USUDA, Kosuke; IIDA, Keisuke; NAGASAWA, Kazuo

2B8-36 Regioselective Bromoamination of Indoles via Formation of Indlyl (aryliodonium imides (Grad. Sch. Sci., Chiba Univ.) ISHIDA, Kazuma; MORIYAMA, Katsuhiko; TOGO, Hideo

2B8-37 Hypervalent Iodine-Mediated Decarboxylative Acetoxylation of Allylcarboxylic Acids (Grad. Sch. Eng., Osaka Univ.) KIYOKAWA, Kensuke; YAHATA, Shunsuke; MINAKATA, Satoshi

2B8-38 Hypervalent Iodine-Mediated Decarboxylative Amidation of Allylcarboxylic Acids (Grad. Sch. Eng., Osaka Univ.) KIYOKAWA, Kensuke; KOJIMA, Takumi; MINAKATA, Satoshi

2B8-39 Synthesis of α -substituted unsaturated oximes by umpolung substitution reaction using allenamide (Grad. Sch. Mat. Sci., NAIST) YOKOYAMA, Keiichi; MIZUTANI, Yusuke; TANIMOTO, Hiroki; KAKIUCHI, Kiyomi

2B8-40 Highly Enantioselective Three-Component Synthesis of Optically Active Propargylamines in Water. (Nagoya Inst. of Tech.) HARA, Yoshichika; OHARA, Mutsuyo; NAKAMURA, Shuichi

Chair: IGAWA, Kazunobu (15 : 50~16 : 40)

* 15:40-15:50: interval for laptop PC connection.(2B8-42, 2B8-43, 2B8-44, 2B8-45, 2B8-46)

2B8-42 Synthesis of Dipeptides Using Amino Acid Ionic Liquids (Grad. Sch. Sci., Osaka Pref. Univ.) FUKUYAMA, Takahide; MATSUI, Akihiro; RYU, Ihyong; FURUKAWA, Shinya; INEYAMA, Takashi

2B8-43 A One-Pot *O*-Phosohinative Passerini/Pudovik Reaction : Efficient Synthesis of Highly Functionalized α -(Phosphinyloxy)amide Derivatives (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) MATSUZAKI, Syunsuke; SOETA, Takahiro; UKAJI, Yutaka

2B8-44 Concise synthetic approach to enantiomerically pure symmetrical carbaparycyclophanes and its derivatization (Grad. Sch. Sci., Eng., Tokyo Tech) KITAJIMA, Yoko; SAVUKYNAS, Vaidas; JUNG, Sunna; OHMORI, Ken; SUZUKI, Keisuke

2B8-45 Synthetic studies and stereochemistry of paracarbacyclophanes (Grad. Sch. Sci., Eng., Tokyo Tech) JUNG, Sunna; KITAJIMA, Yoko; OHMORI, Ken; SUZUKI, Keisuke

2B8-46 Stereoselective Construction of Trisubstituted (*E*)-Olefins Using Alkylphosphonothioates (Fac. Sci. Tech., Keio Univ.) KAGAMIFUCHI, Wataru; OMORI, Takayuki; SAIKAWA, Yoko; NAKATA, Masaya

Chair: SAIKAWA, Yoko (16 : 50~17 : 30)

* 16:40-16:50: interval for laptop PC connection.(2B8-48, 2B8-49, 2B8-50, 2B8-51)

2B8-48 Stereoselective Synthesis of Multifunctional Tetrasubstituted Olefins by Fluorination of tert-Allylic Alcohol (ISIR, Osaka Univ.) KISHI, Kenta; TAKIZAWA, Sinobu; ARTEAGA, Fernando; SASAI, Hiroaki

2B8-49 Stereochemical Behavior of 6-Substituted 3-Aza[7]orthocyclophane

and Its Transformation (IMCE, Kyushu Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) IGAWA, Kazunobu; OGAWA, Kouhei; MORITA, Ryota; TOMOOKA, Katsuhiko

- 2B8-50** Synthesis and Stereochemical Study of 1⁶-Hetero-substituted 3-Aza-[7] orthocyclophene derivatives (IMCE, Kyushu Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) HATAYAMA, Yusuke; IGAWA, Kazunobu; TOMOOKA, Katsuhiko
- 2B8-51** Catalytic enantioselective synthesis of planar chiral medium-sized cyclic amides (IMCE, Kyushu Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) ICHIKAWA, Nobumasa; IGAWA, Kazunobu; TOMOOKA, Katsuhiko

Saturday, March 29, AM

Chair: YASUDA, Makoto (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3B8-01, 3B8-02, 3B8-03, 3B8-04, 3B8-05, 3B8-06)
- 3B8-01** Tandem N-Alkylation / Nucleophilic Addition Reaction of α -Aldimino Thioesters (Grad. Sch. Eng., Mie Univ.) NAKAJIMA, Yuji; MIZOTA, Isao; SHIMIZU, Makoto
- 3B8-02** Umpolung N,N-Dialkylation and N,N,C-Trialkylation Reactions of α -Acylxyimino Esters (Grad. Sch. Eng., Mie Univ.) MAEDA, Tatsuya; SHIMIZU, Makoto
- 3B8-03** Asymmetric Autocatalysis Induced by Chiral Crystals of Achiral Ketones (Fac. Sci., Tokyo Univ. of Sci.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Eng., Univ. of Fukui) UCHIDA, Yasuhiro; OMORI, Haruna; TUCHIYA, Sumeru; KAWASAKI, Tsuneomi; MATSUMOTO, Arimasa; SOAI, Kenso
- 3B8-04** Asymmetric Synthesis of Chiral Diamine Arising from Nitrogen Isotope Substitution and Its Chiral Discrimination by Asymmetric Autocatalysis (Fac. Sci., Tokyo Univ. of Sci.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Eng., Univ. of Fukui) TADA, Kyohei; AYUGASE, Tomohiro; KAWASAKI, Tsuneomi; MATSUMOTO, Arimasa; SOAI, Kenso
- 3B8-05** Asymmetric Autocatalysis Initiated by Chiral Crystal of Nickel(II) Sulfate Hexahydrate. (Fac. Sci., Tokyo Univ. of Sci.) OZAWA, Hirokazu; MATSUMOTO, Arimasa; SOAI, Kenso
- 3B8-06** Structure Analysis of Asymmetric Autocatalyst (Fac. Sci., Tokyo Univ. of Sci.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Eng., Univ. of Fukui) ABE, Takaaki; HARA, Atsushi; TOBITA, Takayuki; SASAGAWA, Taisuke; KAWASAKI, Tsuneomi; MATSUMOTO, Arimasa; SOAI, Kenso

Chair: MATSUMOTO, Arimasa (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3B8-08, 3B8-09, 3B8-10, 3B8-11, 3B8-12)
- 3B8-08** Chiral Lithium(I) Phosphoryl Phenoxide-Catalyzed Highly Enantioselective Cyanosilylation of Ketones (Grad. Sch. Eng., Nagoya Univ.) YAMAKAWA, Katsuya; HATANO, Manabu; ISHIHARA, Kazuaki
- 3B8-09** Regio- and Stereoselective Alkyl Addition to beta,gamma-Alkynyl-alpha-Imino Esters with Grignard Reagent-Derived Zinc(II) Ate Complexes (Grad. Sch. Eng., Nagoya Univ.) MIZUNO, Mai; YAMASHITA, Kenji; HATANO, Manabu; ISHIHARA, Kazuaki
- 3B8-10** Tandem Addition Reaction Using Umpolung Reaction of 3-Oxoquinoxalin-2-carboxylate Derivatives (Grad. Sch. Eng., Mie Univ.) MIYAMARU, Satoru; SHIMIZU, Makoto
- 3B8-11** Tandem N-Alkylation and Vinylogous Aldol Reaction of β, γ -Alkenyl- α -iminoester (Grad. Sch. Eng., Mie Univ.) TANAKA, Hirotaka; SHIMIZU, Makoto
- 3B8-12*** Syntheses of Quaternary Amino Acid Derivatives Utilizing an N-Alkylation Reaction to β, γ -Alkynyl α -Imino Ester (Grad. Sch. Eng., Mie Univ.) MIZOTA, Isao; SHIMIZU, Makoto

Chair: MIZOTA, Isao (11 : 20 ~ 12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3B8-15, 3B8-16, 3B8-17, 3B8-18, 3B8-20)
- 3B8-15** Asymmetric Autocatalysis Initiated with Chiral Crystal of Achiral Tris(2-hydroxyethyl)-1,3,5-benzenetricarboxylate (Fac. Sci., Tokyo Univ. of Sci.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Eng., Univ. of Fukui) KAIMORI, Yoshiyasu; UCHIDA, Mizuki; SASAGAWA, Taisuke; KAWASAKI, Tsuneomi; MATSUMOTO, Arimasa; SOAI, Kenso
- 3B8-16** Asymmetric Synthesis Using Enantiotopic Crystal Faces of Pyrimidine-5-carbaldehyde (Fac. Sci., Tokyo Univ. of Sci.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Eng., Univ. of Fukui) SHIMA, Ryosuke; IKAGA, Takayuki; KAWASAKI, Tsuneomi; MATSUMOTO, Arimasa; SOAI, Kenso
- 3B8-17** Ligand-Controlled E/Z Selectivity and Enantioselectivity in Pd-Catalyzed Allylation of Benzofuranones with 1,2-Disubstituted Allylic Carbonate (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) ITO, Mitsunori; OHMTSU, Kohsuke; OOI, Takashi
- 3B8-18*** In Situ Preparation of Ion-Paired Chiral Ligand: Rapid Identification of Optimal Catalyst for Palladium-Catalyzed Asymmetric Allylations (Nagoya Univ. WPI-ITbM; Grad. Sch. Eng., Nagoya Univ.; JST CREST) HARA, Yoshiyuki; OHMTSU, Kohsuke; OOI, Takashi
- 3B8-20** Allylation of α -Halo Carbonyl Compounds with Allyltrifluoroborates Using Photoredox Catalyst (Grad. Sch. Eng., Osaka Univ.) SUZUKI, Itaru; ESUMI, Naoto; YASUDA, Makoto; BABA, Akio

Saturday, March 29, PM

Chair: FUCHIBE, Kohei (17 : 00 ~ 18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(3B8-49, 3B8-50, 3B8-52, 3B8-53, 3B8-54)
- 3B8-49** Catalytic Asymmetric Intramolecular Cyclopropanation of α -Diazo- β -Oxo Compounds (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) INOUE, Saori; ENDO, Yuya; NAKADA, Masahisa
- 3B8-50*** Development of asymmetric synthesis of nitro cyclopropanes (Grad. Sch. Med., Yamaguchi Univ.) MORIYAMA, Takaaki; ITOU, Yuuji; LI, Wei; KAMIMURA, Akio
- 3B8-52** Catalysis of 2-Halogenoimidazolium Salts in Cycloaddition Reaction of Aldimines with Danishefsky's Diene (Grad. Sch. Eng., Osaka Univ.) TAKEDA, Youhei; HISAKUNI, Daichi; MINAKATA, Satoshi
- 3B8-53** A new synthetic method for cyclobutane derivatives by using γ -alkoxy- β, γ -unsaturated nitriles (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KITAJIMA, Fumitaka; IKEDA, Shinichi; TANINO, Keiji
- 3B8-54*** Enantioselective Organocatalyzed Synthesis of Cyclobutanes via formal [2+2] Cycloaddition (ISIR, Osaka Univ.) ARTEAGA, Fernando arteaga; TAKIZAWA, Shinobu; SASAI, Hiroaki

Room B9

E&S Bldg. ES035

Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis

Thursday, March 27, PM

Chair: UENO, Masaharu (13 : 00 ~ 14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(1B9-25, 1B9-26, 1B9-27, 1B9-29)
- 1B9-25** Generation and Reactions of 2,2,2-Trifluoro-1-(phenylsulfonyl)ethyl Carbanion Using a Flow Microreactor (Grad. Sch. Eng., Gunma Univ.; Grad. Sch. Eng., Kyoto Univ.) AMII, Hideki; MURATA, Hiroyuki; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-26** Carbolithiation of Fluorinated Alkene using Flow Microreactors (Grad. Sch. Eng., Kyoto Univ.) AKAHORI, Kana; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-27*** Carboxylation of Unstable Organolithiums Using Flow Microreactors (Grad. Sch. Eng., Kyoto Univ.) TAKAHASHI, Yusuke; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-29*** Efficient amide bond formation through a rapid and strong activation of carboxylic acid, and its application for a synthesis of feglymycin (Grad. Sch. Sci., Eng., Tokyo Tech) MIFUNE, Yuto; FUSE, Shinichiro; TANAKA, Hiroshi; TAKAHASHI, Takashi

Chair: AMII, Hideki (14 : 10 ~ 15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(1B9-32, 1B9-34, 1B9-35, 1B9-36, 1B9-37)
- 1B9-32*** Multi-step Flow Synthesis of Optical Active γ -Amino Acid Derivatives (Grad. Sch. Sci., The Univ. of Tokyo) Tsubogo, Tetsu; Kobayashi, Shu
- 1B9-34** Continuous Flow Hydrogenation of Nitro Compounds Using Polysilane-Supported Palladium Catalysts (Grad. Sch. Sci., The Univ. of Tokyo) UENO, Masaharu; MORII, Yasuharu; URAMOTO, Kiyoko; OYAMADA, Hidekazu; KOBAYASHI, Shu
- 1B9-35** Generation and Reactions of Benzylolithiums Bearing Electrophilic Functional Groups Using Flow Microreactors (Grad. Sch. Eng., Kyoto Univ.) HARA, Suguru; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-36** Kinetic Studies of Organolithium Reactions Using the Quench Flow Method (Grad. Sch. Eng., Kyoto Univ.) ISHUCHI, Satoshi; IMAI, Keita; MORIWAKI, Yuya; TAKAHASHI, Yusuke; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-37** Generation and Reactions of α -Alkoxyalkyllithiums Using Flow Microreactors (Grad. Sch. Eng., Kyoto Univ.) TSUCHIHASHI, Yuta; HARA, Suguru; ICHINARI, Daisuke; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- Chair: TANAKA, Hiroshi (15 : 20 ~ 16 : 20)
- * 15:10-15:20: interval for laptop PC connection.(1B9-39, 1B9-40, 1B9-41, 1B9-43, 1B9-44)
- 1B9-39** Flow Microreactor Reactions of Trichlorovinylolithium Generated by Deprotonation of Trichloroethene (Grad. Sch. Eng., Kyoto Univ.) TAKAHASHI, Yusuke; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-40** Deprotonation of 2-Phenylloxetanes and Subsequent Reactions with Electrophiles Using Flow Microreactors (Grad. Sch. Eng., Kyoto Univ.) MORIWAKI, Yuya; LEONARDO, Degennaro; RENZO, Luisi; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi
- 1B9-41*** Generation and Reactions of Benzynes Using Flow Microreactors

(Grad. Sch. Eng., Kyoto Univ.) ICHINARI, Daisuke; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi

1B9-43 Development of Sonogashira Coupling Reactions Using Poly(methylphenyl)silane-supported Palladium Nanocluster Catalysts (Grad. Sch. Sci., The Univ. of Tokyo) OKUMURA, Mikiko; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

1B9-44[#] Hydrogenation of aromatic compounds using polysilane supported rhodium/platinum nanoparticles (Grad. Sch. Sci., The Univ. of Tokyo) TAMMINANA, Ramana; YASUKAWA, Tomohiro; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

Friday, March 28, AM

Chair: YAMADA, Yoichi M. A. (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2B9-01, 2B9-02, 2B9-03, 2B9-04, 2B9-05)

2B9-01 Fluorous oligosaccharide synthesis using an acid resistant heavy fluorine tag (Grad. Sch. Adv. Integration Sci., Chiba Univ.; The Noguchi Institute) FUKUDA, Kazuo; TOJINO, Mami; GOTO, Kohtarō; DOHI, Hirofumi; NISHIDA, Yoshihiro; MIZUNO, Mamoru

2B9-02 Synthesis and application of Yamaguchi reagent bearing a perfluoroalkyl group (Grad. Sch. Sci., Osaka Pref. Univ.) KAWAZU, Akari; MATSUBARA, Hiroshi

2B9-03 Development of fluorine hybrid solvents and utilization for organic synthesis. (Grad. Sch. Sci., Osaka Pref. Univ.) KUZUHARA, Mitsuhiro; MATSUBARA, Hiroshi

2B9-04 Mukaiyama aldol reaction in aqueous media catalyzed by immobilized Al-Sc catalysts (Grad. Sch. Sci., The Univ. of Tokyo) SONOYAMA, Arisa; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

2B9-05[#] The Development of an Enzyme-Mimetic System with Catechol-Stabilized Naked Platinum Nanoclusters: Homogeneous Cooperative Catalysis for Aerobic Oxidation of Amines to Imines (Grad. Sch. Sci., The Univ. of Tokyo) YUAN, Hao; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

Chair: MATSUBARA, Hiroshi (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2B9-08, 2B9-09, 2B9-10, 2B9-11, 2B9-12, 2B9-13)

2B9-08 Development of rapid synthetic approaches for the monomers toward the synthesis of p-type organic semiconductor with various side chains for organic photovoltaics (Grad. Sch. Sci., Eng., Tokyo Tech) FUSE, Shinichiro; TAKAHASHI, Ryota; MASUI, Hisashi; WAKAMIYA, Atsushi; YOSHIKAWA, Susumu; TAKAHASHI, Takashi; TANAKA, Hiroshi

2B9-09 An efficient synthesis of oligo-heteroaromatic compounds for p-type semiconductor of organic photo voltaics and their evaluation of solubility and photo conversion efficiency (Grad. Sch. Sci., Eng., Tokyo Tech) FUSE, Shinichiro; MATSUMURA, Keisuke; MASUI, Hisashi; WAKAMIYA, Atsushi; YOSHIKAWA, Susumu; TAKAHASHI, Takashi; TANAKA, Hiroshi

2B9-10 Synthesis of tetra-aryl-substituted pyrazole based on C-H direct arylation (Grad. Sch. Sci., Eng., Tokyo Tech) FUSE, Shinichiro; MORITA, Taiki; KOBAYASHI, Daisuke; MATSUMURA, Keisuke; TAKAHASHI, Takashi; TANAKA, Hiroshi

2B9-11 Organic Transformations by A Palladium-Nanoparticle and Silicon-Nanowire-Array Hybrid (RIKEN CSRS) SATO, Takuma; YUYAMA, Yoshinari; YAMADA, Yoichi m. a.; FUJIKAWA, Shigenori; UOZUMI, Yasuhiro

2B9-12 Reaction Integration of Sonogashira Couplings for Synthesis of Substituted 1,3,5-Tris(4-benzoylphenyl)ethynylbenzenes in Ionic Liquid (Grad. Sch. Eng., Mie Univ.) HAYASHI, Kennosuke; YOSHIKAWA, Serina; OKAZAKI, Takao; KITAGAWA, Toshikazu

2B9-13 Continuous Flow Synthesis of Ionic Liquids Having Ether Substituents (Grad. Sch. Eng., Tottori Univ.) MATSUMOTO, Kuninobu; ITOH, Taka-aki; FUKAYA, Yukinobu; NOKAMI, Toshiki; ITOH, Toshiyuki

Chair: FUSE, Shinichiro (11 : 20 ~ 12 : 00)

* 11:10-11:20: interval for laptop PC connection.(2B9-15, 2B9-17, 2B9-18)

2B9-15[#] Development of asymmetric synthesis catalyzed by biomass supported chiral rhodium nanoparticles and study of structure (Grad. Sch. Sci., The Univ. of Tokyo) YASUKAWA, Tomohiro; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

2B9-17 Development of Asymmetric C-C Bond Formation Reactions Using Cooperative Effects between Chiral Rhodium Nanoparticle Catalyst and Organocatalyst (Grad. Sch. Sci., The Univ. of Tokyo) YASUKAWA, Tomohiro; NISHINO, Kohji; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

2B9-18 Integration of aerobic oxidation reaction, unsaturated bond formation reaction and asymmetric 1,4-addition reactions using polymer-incarcerated metal nanoparticle catalysts (Grad. Sch. Sci., The Univ. of Tokyo) SUZUKI, Aya; YASUKAWA, Tomohiro; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

Saturday, March 29, AM

Chair: FUKUYAMA, Takahide (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3B9-01, 3B9-02, 3B9-03, 3B9-05)

3B9-01 Efficient Suzuki-Miyaura Coupling Reaction in a Continuous Flow System Using Heterogeneous Palladium Catalyst under Microwave Heating (Grad. Sch. Sci., Osaka Pref. Univ.) KANAZAWA, Akira; SATO, Masaaki

3B9-02 Synthesis of Terminal Acetylene from Acetylene Gas Using a Flow Reactor System (Grad. Sch. Sci., Osaka Pref. Univ.) NITTA, Ryoichi; SATO, Masaaki

3B9-03^{*} Microwave catalytic rapid synthesis - synthesis of metal complex and dielectric properties of reaction media (Minerva light laboratory.) MASUDA, Yoshitaka; MATSUMURA, Takeko; OGAWA, Shingo; YANAGIDA, Shouzou; MITANI, Tomohiko; WATANABE, Takashi

3B9-05^{*} Microwave catalytic rapid synthesis - Study on microwave synthesis of phosphorescent metal complexes and precise analysis (Minerva Light Laboratory Microwave Chemistry) MATSUMURA, Takeko; MIYAKE, Takatoshi; SHIMIZU, Naoto; YANAGIDA, Shozo; YOSHIOKA, Kouichi; WATANABE, Takashi

Chair: HIOKI, Hideaki (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3B9-08, 3B9-10, 3B9-11, 3B9-12, 3B9-13)

3B9-08[#] The Effects of Amide Addition and Size of Nanoparticles in Aerobic Oxidation Reactions Catalyzed by Polymer Incarcerated Gold Nanoparticles (Grad. Sch. Sci., The Univ. of Tokyo) MIN, Hyemin; SOULE, Jean-Francois; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

3B9-10^{*} N-Alkylation of primary amides via hydrogen autotransfer facilitated by metal nanoparticles (Grad. Sch. Sci., The Univ. of Tokyo) CHOO, Chong Yu Gerald; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

3B9-11[#] Aerobic oxidative aromatization catalyzed by polymer incarcerated gold nanocluster (Grad. Sch. Sci., The Univ. of Tokyo) MIYAMURA, Hiroyuki; KOBAYASHI, Shu

3B9-12 Acid-catalysed reactions in a flow system using sulfonic acid-functionalized silica gel (Grad. Sch. Sci., Osaka Pref. Univ.) FURUTA, Akihiro; FUKUYAMA, Takahide; RYU, Ilhyong

3B9-13 Flow Microreactor Synthesis of Linear-dendritic Hybrid Polymers by Dendritic Cation-Pool Initiated Polymerization (Grad. Sch. Eng., Kyoto Univ.) TAKUMI, Masahiro; NAGAKI, Aiichiro; YOSHIDA, Jun-ichi

Chair: NAGAKI, Aiichiro (11 : 20 ~ 12 : 00)

* 11:10-11:20: interval for laptop PC connection.(3B9-15, 3B9-16, 3B9-17, 3B9-18)

3B9-15 Development of one-pot Suzuki-Miyaura Cross-Coupling of Boracyclanes (Grad. Sch. Sci., Eng., Tokyo Tech) SUZUKI, Ryota; FUSE, Shinichiro; TANAKA, Hiroshi

3B9-16 Construction and Evaluation of Library of Non-Lamellar Crystals using 1,3-dioxin-4-one as a key scaffold (Grad. Sch. Sci., Eng., Tokyo Tech) HUSE, Shinichiro; NAKAMURA, Kentarou; MIFUNE, Yuto; NAKAMURA, Saki; TAKAHASHI, Takashi; TANAKA, Hiroshi

3B9-17 Development of an efficient approach toward the synthesis of azabicyclic compounds based on α -cyanoacetates (Grad. Sch. Sci., Eng., Tokyo Tech) FUSE, Shinichiro; DECHARIN, Santida; MASUI, Hisashi; TAKAHASHI, Takashi; TANAKA, Hiroshi

3B9-18 Solid-phase synthesis of indoles and quinolines using an alkoxyamine linker (Gunma Univ. Faculty of Education) YAMAGUCHI, Kota; TOMIZAWA, Toshiki; YAMAGUCHI, Rika; KAWANO, Tomoki; HIOKI, Hideaki

Room C1

School of Engineering - Bldg. 1 131

Coordination Chemistry, Organometallic Chemistry

Thursday, March 27, AM

Fe

Chair: MASAOKA, Shigeyuki (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1C1-01, 1C1-02, 1C1-03, 1C1-04, 1C1-05, 1C1-06)

1C1-01 Dinitrogen activation by Ironcomplex with asymmetric β -diketiminate ligand containing pyridine as a proton donor moiety (Nagoya Inst. of Tech. Department of Frontier Materials, Graduate School of Engine) IKEDA, Ken; SUZUKI, Tatsuya; OGAWA, Takahiko; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki

1C1-02 Immobilization of a diiron complex in an ionic liquid with terminal olefins and its O₂ activator (Grad Sch. Eng., Nagoya Inst. of Tech.) NISHINO, Jumpei; KITAGAWA, Tatuya; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki

1C1-03 Autocatalytic radical chain pathway in formation of an iron(IV)-oxo complex via scandium ion-promoted autoxidation of an iron(II) complex with dioxygen and tetraphenylborate (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) NISHIDA, Yusuke; LEE, Yong-min; NAM, Wonwoo; FUKUZUMI,

Shunichi

- 1C1-04** Synthesis and characterization of Iron complexes with diproline frameworks (Fac. Sci., Osaka City Univ.) YAMAGUCHI, Hayato; NISHIKAWA, Keisuke; MORIMOTO, Yoshiki; TACHI, Yoshimitsu
- 1C1-05** Investigation of electrochemical catalytic oxidation of iron complex using asymmetric ligand derived from L-proline (Grad. Sch. Sci., Osaka City Univ.) MIZOGUCHI, Kohei; NISHIKAWA, Keisuke; MORIMOTO, Yoshiki; TACHI, Yoshimitsu
- 1C1-06** Influence of Intermolecular Hydrogen Bonds on Spin Transition Properties of Spin Crossover Iron(III) Complexes with Cyclic Dimer Structure (Grad. Sch. Sci. Technol., Kumamoto Univ.) FUJINAMI, Takeshi; KOIKE, Masataka; MATSUMOTO, Naohide; SUNATSUKI, Yukinari

Rh

Chair: INOMATA, Tomohiko (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1C1-08, 1C1-09, 1C1-10, 1C1-12)
- 1C1-08** Self-assembly of Paddlewheel Complexes through Multipoint Arene-perfluoroarene Interaction (SOKENDAI; IMS; JST ACT-C) ITOH, Takahiro; KONDO, Mio; KANAIKE, Mari; MASAOKA, Shigeyuki
- 1C1-09[#]** Structures and Properties of Dinuclear Rhodium(I) Complexes with Formamidinato Bridging Ligands (Fac. Sci. Eng., Shimane Univ.; Sch. Sci. Tech., Kwansei Gakuin Univ.) IDE, Yuki; IKEUE, Takahisa; INOUE, Ryoko; YOSHIOKA, Daisuke; MIKURIYA, Masahiro; HANDA, Makoto
- 1C1-10*** Mechanism of electrocatalytic CO oxidation by Rh porphyrins (UBIQEN, AIST) YAMAZAKI, Shin-ichi; ASAH, Masafumi; YAO, Masaru; MAEDA, Yasushi; SIROMA, Zyun; FUJIWARA, Naoko; NAGAI, Tsukasa; IOROI, Tsutomu
- 1C1-12*** Construction of Efficient Water Photo-reduction System based on Dinuclear Rhodium(II) Complexes and Theoretical Mechanism Study (Grad. Sch. Fac. Sci., Kanagawa Univ.) KATAOKA, Yusuke; OGAMI, Takuya; KAWAMOTO, Tatsuya

Cr

Chair: KAWAMOTO, Tatsuya (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(1C1-15, 1C1-17, 1C1-18)
- 1C1-15*** Catalytic Two-Electron Reduction of Dioxigen with High-valent Chromium(V)-oxo Corrole Complex (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) MASE, Kentaro; LIU, Shuo; BOUGHER, Curt; HICKS, Scott; ABU-OMAR, Mahdi M.; FUKUZUMI, Shunichi
- 1C1-17** Electron-transfer properties of a Cr(V)-oxo complex having a monoanionic ligand (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KAIDA, Suzue; KOTANI, Hiroaki; ISHIZUKA, Tomoya; KOJIMA, Takahiko
- 1C1-18** Synthesis of nitridochromium(V) complexes having diimine and diketonato ligands (Fac. Sci., Univ. of Toyama) NISHIMURA, Misaki; MITO, Yasufumi; OHTSU, Hideki; TSUGE, Kiyoshi

Friday, March 28, AM

Co,Rh,Ir

Chair: TAHARA, Atsushi (9 : 00 ~10 : 10)

- * 8:50-9:00: interval for laptop PC connection.(2C1-01, 2C1-02, 2C1-04, 2C1-05, 2C1-06, 2C1-07)
- 2C1-01** Synthesis and Characterization of Vitamin B12 Derivative with Trifluoromethyl Group as an Axial Ligand (Grad. Sch. Eng., Kyushu Univ.) WAKIYA, Kosuke; ONO, Toshikazu; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
- 2C1-02*** Proton-Responsive Cobalt Catalysts for CO₂ Hydrogenation in Water (ETRI, AIST) WANG, Wan-hui; HIMEDA, Yuichiro; BADIEI, Yosra; MUCKERMAN, James t.; FUJITA, Etsuko
- 2C1-04** Research and development of the Rh-catalysed new asymmetric carboxylation using CO₂ as the source of C1 carbon (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) KAWASHIMA, Shingo; MIKAMI, Koichi; AIKAWA, Kohsuke
- 2C1-05** Rhodium-Catalyzed C-H Bond Carboxylation of Simple Aromatic Compounds with Carbon Dioxide (Grad. Sch. Sci., Eng., Tokyo Tech) SUGA, Takuya; MIZUNO, Hajime; TAKAYA, Jun; IWASAWA, Nobuharu
- 2C1-06** Synthesis and catalytic reaction of Rh complexes containing oxazoline-carbene based tridentate ligand. (Grad. Sch. Eng., Nagoya Univ.) IWATA, Hiroshi; MATSUSHIMA, Satoru; ITO, Jun-ichi; NISHIYAMA, Hisao
- 2C1-07** Synthesis and reaction of chiral pincer Rh complex containing asymmetric NCC-tridentate ligand (Grad. Sch. Eng., Nagoya Univ.) MURAOKA, Shun; ITO, Jun-ichi; NISHIYAMA, Hisao

Chair: HIMEDA, Yuichiro (10 : 20~11 : 30)

- * 10:10-10:20: interval for laptop PC connection.(2C1-09, 2C1-10, 2C1-11, 2C1-12, 2C1-13, 2C1-14, 2C1-15)
- 2C1-09** A New Method for Efficient Construction of Heterobimetallic Compounds: Synthesis and Structural Analyses of Late Transition Metal Complexes Bearing an Aluminum Ligand (Grad. Sch. Sci., Eng., Tokyo

Tech) TAKAYA, Jun; IWASAWA, Nobuharu

- 2C1-10** Reactions of Dinuclear Rhodium Complexes Supported by a Tetrphosphine Ligand with HCl (Fac. Sci., Nara Women's Univ.) SAKAMOTO, Miyuki; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki
- 2C1-11** Synthesis and Structures of Dithiolate-bridged Heterodinuclear Complexes (Fac. Sci., Nara Women's Univ.) SANO, Mikie; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki
- 2C1-12** Synthesis and Properties of Iridium Complexes Bearing an SiNN Chelate Ligand (Sch. Sci., Tohoku Univ.) OSAWA, Tomohiro; SUZUKI, Ryuju; KOMURO, Takashi; TOBITA, Hiromi
- 2C1-13** Synthesis and property of long-tethered P-B-P Ir complex (Grad. Sch. Sci. Eng., Chuo Univ.) KAWAI, Yasushi; KAMAKURA, Sei; YAMASHITA, Makoto
- 2C1-14** Crystal Structure and Solution Behavior of Chiral Amine(hydrido)-Ir Complexes Relevant to Asymmetric Hydrogen Transfer Reaction between Secondary Alcohols and Ketones (Grad. Sch. Sci., Eng., Tokyo Tech) MORITANI, Junki; KAYAKI, Yoshihito; IKARIYA, Takao
- 2C1-15** Reactivities of Diastereomeric Amine(hydrido)-Ir Complexes Relevant to Asymmetric Transfer Hydrogenation of Ketones (Grad. Sch. Sci., Eng., Tokyo Tech) MORITANI, Junki; KAYAKI, Yoshihito; IKARIYA, Takao

Friday, March 28, PM

Co,Rh,Ir

Chair: MUTOH, Yuichiro (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(2C1-34, 2C1-35, 2C1-36, 2C1-37, 2C1-38, 2C1-39)
- 2C1-34** C-H Bond Cleavage by PNP-pincer Type Phosphaalkene Iridium(I) Complexes (ICR, Kyoto Univ.) CHANG, Yung-hung; OZAWA, Fumiyouki
- 2C1-35[#]** Application of Bis(cyclometalated)iridium Complexes toward Alcohol Oxidation and One-pot Dehydrogenative Silylation of Benzyl Alcohol Derivatives (Sch. Eng. Sci., Osaka Univ.) CHOI, Gyeongshin; TSURUGI, Hayato; MASHIMA, Kazushi
- 2C1-36** Cyclometallation of Hydrido-iridium Complex via C-F Bond Cleavage (Grad. Sch. Sci., Eng., Tokyo Tech) MATSUNAMI, Asuka; KAYAKI, Yoshihito; IKARIYA, Takao
- 2C1-37** Synthesis of Chiral Dinuclear Iridium Complexes having C-N Chelate Ligands via Cyclometallation of Diphenylpiperazine Derivatives (Grad. Sch. Sci., Eng., Tokyo Tech) YASUI, Shungo; SUZUKI, Kouhei; SATO, Yasuhiro; KAYAKI, Yoshihito; IKARIYA, Takao
- 2C1-38** Selective Synthesis of Aldenamides from Carboxyamides by Ir-Vaska catalyzed silane reduction (IMCE, Kyushu Univ.) TAHARA, Atsushi; SHIGETA, Keisuke; SUNADA, Yusuke; AOTO, Ryota; MIYAMOTO, Yasumitsu; MOTOYAMA, Yukihiko; NAGASHIMA, Hideo
- 2C1-39** N-H bond cleavage of indoles promoted by bifunctional amido complexes. (Grad. Sch. Sci., Eng., Tokyo Tech) UENO, Atsushi; KAYAKI, Yoshihito; IKARIYA, Takao

Chair: SUNADA, Yuusuke (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(2C1-41, 2C1-42, 2C1-43, 2C1-44, 2C1-46)
- 2C1-41** Withdrawn
- 2C1-42** Reversibility of 1,4-Migration of the Metal Center in Cp*Rh(III) and Cp*Ir(III) Complexes (Fac. Sci. Eng., Chuo Univ.; Grad. Sch. Human. Sci., Ochanomizu Univ.; Saitama Medical University Faculty of Medicine) TAKANO, Koichi; IKEDA, Yusuke; WARAGAI, Maiko; KODAMA, Shintaro; TSUCHIDA, Noriko; TAKANO, Keiko; ISHII, Youichi
- 2C1-43** Vinylidene Rearrangement of the Metal Center at an Ir(III) Complex (Fac. Sci. Eng., Chuo Univ.) WATANABE, Takahiro; IKEDA, Yusuke; KODAMA, Shintaro; MUTOH, Yuichiro; ISHII, Youichi
- 2C1-44*** Remote Rearrangement of the Metal Center in a Cp*Ir(III) Complex (Grad. Sch. Sci. Eng., Chuo Univ.) IKEDA, Yusuke; TAKANO, Koichi; KODAMA, Shintaro; ISHII, Youichi

Ni,Pd,Pt

- 2C1-46** Nickel-Carbene Complexes as Catalysts for the Dehydrogenative Coupling of Hydrosilanes with Active Hydrogen Compounds (Grad. Sch. Sci., Eng., Ehime Univ.) OHTA, Hidetoshi; MIYOSHI, Narumi; OKAMOTO, Yuki; HAYASHI, Minoru; WATANABE, Yutaka

Chair: KODAMA, Shintaro (16 : 50~17 : 40)

- * 16:40-16:50: interval for laptop PC connection.(2C1-48, 2C1-50, 2C1-51, 2C1-52)
- 2C1-48*** Effect of cavity size of macrocycle catalyst on its catalysis for intramolecular hydroamination driven by the formation pseudorotaxane intermediate (Grad. Sch. Sci., Eng., Tokyo Tech) OGAWA, Masahiro; NAGASHIMA, Masaki; SOGAWA, Hiromitsu; TAKATA, Toshikazu
- 2C1-50** Efficient hydroamination reaction of various polyallylurethanes using a Pd-containing macrocycle catalyst (Tokyo Tech) IWASAKI, Hikaru; NAGASHIMA, Masaki; OGAWA, Masahiro; SOGAWA, Hiromitsu; TAKATA, Toshikazu

- 2C1-51** Intramolecular cyclization with palladium-tethering macrocycle catalyst (Grad. Sch. Sci., Eng., Tokyo Tech) NGASHIMA, Masaki; OGAWA, Masahiro
- 2C1-52** Hydrosilylation of olefines catalyzed by a cationic nickel arene complex (AIST Interdisciplinary Research Center for Catalytic Chemistry) NAKAJIMA, Yumiko; URABE, Yasuko; SATO, Kazuhiko; SHIMADA, Shigeru

Saturday, March 29, AM

Chair: TASHIRO, Shohei (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3C1-01, 3C1-02, 3C1-03, 3C1-04, 3C1-06)
- 3C1-01** Coordination Capsule and Tube with Anthracene Rings: Interconversions and Host-Guest Interactions (Chem. Res. Lab., Tokyo Tech) KISHI, Norifumi; YOSHIZAWA, Michito; AKITA, Munetaka
- 3C1-02** Coordination Capsules with Anthracene Shells: Cavity Expansion and Molecular Recognition (Chem. Res. Lab., Tokyo Tech) YUKI, Tsubasa; YAMASINA, Masahiro; KISHI, Norifumi; YOSHIZAWA, Michito; AKITA, Munetaka
- 3C1-03** Coordination Capsules with Dihydrophenazine Shells: Preparation and Spectroscopic Properties (Chem. Res. Lab., Tokyo Tech) NODA, Shogo; YAZAKI, Kohei; YOSHIZAWA, Michito; AKITA, Munetaka
- 3C1-04*** Coordination Capsules with Anthracene Shells: Stabilization and Polymerization of Radical Initiators (Chem. Res. Lab., Tokyo Tech) YAMASHINA, Masahiro; YOSHIZAWA, Michito; AKITA, Munetaka
- 3C1-06** Reactions of Octanuclear Palladium Tiara-like Complex $[Pd(\mu-SCH_2CO_2Me)_2]_8$ with Group 10 Transition Metal Complexes (Fac. Sci., Nara Women's Univ.) YAMASHINA, Yukari; URA, Yasuyuki; KATAOKA, Yasutaka

Chair: YOSHIZAWA, Michito (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3C1-08, 3C1-09, 3C1-10, 3C1-11, 3C1-12, 3C1-13)
- 3C1-08** Selective syntheses and reversible structural conversion of heteromultinuclear complexes composed of the artificial oxime-peptide ligands (Grad. Sch. Sci., The Univ. of Tokyo) TAKAMATSU, Yoshinori; TASHIRO, Shohei; SHIONOYA, Mitsuhiko
- 3C1-09** Two-dimensional water layers formed in a hydrate crystal of cyclic oxime-peptide metal complexes (Grad. Sch. Sci., The Univ. of Tokyo; Grad. Sch. Sci., Kyoto Univ.) TASHIRO, Shohei; TAKAMATSU, Yoshinori; OTSUBO, Kazuya; KITAGAWA, Hiroshi; SHIONOYA, Mitsuhiko
- 3C1-10** Bridge-Chelate Coordination of π -conjugated Unsaturated Hydrocarbons to a Pd₄Chain (Sch. Physical Sci., SOKENDAI; IMS; Grad. Sch. Eng., Osaka Univ.; PRESTO-JST) MASAI, Kohei; SHIRATO, Katsunori; YAMAMOTO, Koji; MURAHASHI, Tetsuro
- 3C1-11** Synthesis of Multinuclear Palladium Sandwich Complexes Supported by Extended Conjugated Polyene Ligands (Institute for Molecular Science; PRESTO-JST) HORIUCHI, Shinnosuke; TACHIBANA, Yuki; YAMAMOTO, Koji; MURAHASHI, Tetsuro
- 3C1-12** Structure-Dependent Flapping Motions and Heterochiral Association Behaviors of Cyclic Binuclear trans-Bis(β -iminoaryloxy)palladium(II) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) NAITO, Masaya; SOUDA, Hiroyuki; KOMIYA, Naruyoshi; NAOTA, Takeshi
- 3C1-13** Synthesis and Molecular Motion of Clothespin-Shaped Binuclear Palladium Complexes bearing Alkyl Amide Linkers (Grad. Sch. Eng. Sci., Osaka Univ.) INOUE, Ryo; KAWAMORITA, Soichiro; NAOTA, Takeshi

Chair: UEMURA, Kazuhiro (11 : 20 ~ 12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(3C1-15, 3C1-16, 3C1-17, 3C1-18)
- 3C1-15** Electronic State of Quasi-One-Dimensional Bromo-Bridged Pd Complex Controlled by Ligand Field (Grad. Sch. Sci., Tohoku Univ.) YOSHIDA, Takefumi; TAKAISHI, Shinya; IGUCHI, Hiroaki; YAMASHITA, Masahiro
- 3C1-16** One-dimensional bromide-bridged palladium(III) chain complex having an averaged valence state at room temperature (Grad. Sch. Sci., Tohoku Univ.; JST CREST; Grad. Sch. Frontier Sci., The Univ. of Tokyo; Grad. Sch. Eng., Nagoya Univ.) KUMAGAI, Shohei; TAKAISHI, Shinya; YAMASHITA, Masahiro; OKAMOTO, Hiroshi; TANAKA, Hisaaki; KURODA, Shin-ichi
- 3C1-17** (E)/(Z)-isomerization reaction and luminescence behavior of hydrate-Pd(II) complexes (Aichi Univ. of Educ. Department of education, science education specialty) ISHIKAWA, Sota; OHARA, Keishi; NAKAJIMA, Kiyohiko
- 3C1-18*** Direct Preparation of Palladium and Platinum Planar-Shaped Multinuclear Complexes and Their Reactivities (Chem. Res. Lab., Tokyo Tech) TOI, Hiroyuki; TANABE, Makoto; OSKADA, Kohtarō

Saturday, March 29, PM

Chair: YAMAUCHI, Kosei (13 : 10 ~ 14 : 00)

- * 13:00-13:10: interval for laptop PC connection.(3C1-26, 3C1-27, 3C1-28)
- 3C1-26** Study on Circular Polarized Luminescence from Pt(N⁺C⁻N)Cl Eximer Having Chiral Ligand (International Coll. Arts Sci., Yokohama City Univ.)

- TANAKA, Saori; ICHIDA, Kyoko; SHINOZAKI, Kazuteru
- 3C1-27** M₁₂L₂₄ Sphere with Endo and Exo Coordination Site: Scaffold for Non-covalent Functionalization (Grad. Sch. Eng., The Univ. of Tokyo) HARRIS, Kate; KAMIYA, Shuhei; UEDA, Yoshihiro; SATO, Sota; FUJITA, Makoto
- 3C1-28** Young Scholar Lectures of CSJ Novel synthetic approach for one-dimensional chains consisting of metal-metal bonds with HOMO-LUMO interaction between Pt and hetero-metals (Fac. Eng., Gifu Univ.) UEMURA, Kazuhiro

Chair: KOMIYA, Naruyoshi (14 : 10 ~ 15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(3C1-32, 3C1-34, 3C1-36)
- 3C1-32*** Syntheses and photochemical H₂-evolving activities of new dichloro (2,2'-biquinoline)platinum(II) complexes having multiple electron acceptor moieties (Fac. Sci., Kyushu Univ.; I₂CNER, Kyushu Univ.; Kyushu Univ. CMS) KITAMOTO, Kyoji; SAKAI, Ken
- 3C1-34*** Controlling the Activity of Pt(terpyridine) Complexes for Photocatalytic Hydrogen Production from Water (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I₂CNER; Kyushu Univ. CMS) YAMAUCHI, Kosei; SAKAI, Ken
- 3C1-36*** Reversible Intermolecular Exchange of Aryl Ligands of Diarylplatinum(II) Complexes (Chem. Res. Lab., Tokyo Tech) YOSHIGOE, Yusuke; SUZAKI, Yuji; OSAKADA, Kohtarō

Chair: IWAMURA, Munetaka (15 : 20 ~ 16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(3C1-39, 3C1-40, 3C1-41, 3C1-42, 3C1-43, 3C1-44)
- 3C1-39** Emission Color Tuning of Pt(II) Complexes with an Asymmetric Dipyrrolylbenzene Type Ligand by Introducing Electron-Donating and Electron-Withdrawing Groups. (Grad. Sch. Nanobioscience, Yokohama City Univ.) KAYANO, Takahiro; SATO, Kyouhei; SHINOZAKI, Kazuteru
- 3C1-40** Light-Driven Hydrogen Evolution Catalyzed by Platinum(II)-Terpyridine Complexes with an Electron Storage Site (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I₂CNER; Kyushu Univ. CMS) LIN, Shu; KITAMOTO, Kyoji; YAMAUCHI, Kosei; SAKAI, Ken
- 3C1-41** Polymorphism and Luminescent Property of Polymethylene Vaulted trans-Bis(Salicylaldiminato)platinum(II) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) KOMIYA, Naruyoshi; OKADA, Minoru; FUKUMOTO, Kanako; ITAMI, Nao; NAOTA, Takeshi
- 3C1-42** Structure and Solid-State Emission of N-Aryl-trans-bis(salicylaldiminato)platinum(II) Complexes Existing Intramolecular Pt-H Interaction (Grad. Sch. Eng. Sci., Osaka Univ.) IWATA, Shotaro; KOMIYA, Naruyoshi; NAOTA, Takeshi
- 3C1-43** Synthesis of a new Pt₄ complex and its attachment on carbon nanotube toward cluster isolation on carbon surface (Grad. Sch. Sci., Nagoya Univ.) MIYAMOTO, Shota; MURATSUGU, Satoshi; TADA, Mizuki
- 3C1-44** Triplatinum Complexes Bridged by Electron-Donating Ligands: Structural Rearrangement Induced by Alkyne Coordination (Chem. Res. Lab., Tokyo Tech) TANAKA, Kimiya; TANABE, Makoto; OSAKADA, Kohtarō

Chair: NORO, Shin-ichiro (16 : 30 ~ 17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(3C1-46, 3C1-47, 3C1-48, 3C1-49, 3C1-50)
- 3C1-46** Elucidation of thermal deactivation pathways of phosphorescent states in d⁸ metal complexes. (Grad. Sch. Sci. Eng., Univ. of Toyama) MAEBA, Junichi; NAKAGAWA, Tomomi; IWAMURA, Munetaka; NOZAKI, Koichi
- 3C1-47** Metal-Mediated Assembly of Diammine Platinum(II) Complexes with D-Penicillamine (Grad. Sch. Sci., Osaka Univ.) KURIOKA, Yoshinari; KUWAMURA, Naoto; YOSHINARI, Nobuto; IGASHIRA, Asako; KONNO, Takumi
- 3C1-48** Crystal structures and physical properties of Vezes' Red Salts with polynuclear triangular Pt lattice (Grad. Sch. Eng., Tohoku Univ.) FUJITA, Sena; HOSHINO, Norihisa; TAKEDA, Takashi; AKUTAGAWA, Tomoyuki
- 3C1-49** Catalytic Route to an Unsymmetrical PNP-Pincer Type Phosphaalkene Ligand (ICR, Kyoto Univ.) TAGUCHI, Hiroomi; TAKEUCHI, Katsuhiko; OZAWA, Fumiyuki
- 3C1-50*** Reversible structural changes of platinum complexes having 1,4,7-triazacyclononane accompanying two-electron redox reactions (Coll. Sci., Rikkyo Univ.) WADA, Tohru; ENAMI, Koki; MIYAZATO, Yuji

Chair: YOSHINARI, Nobuto (17 : 40 ~ 18 : 30)

- * 17:30-17:40: interval for laptop PC connection.(3C1-53, 3C1-54, 3C1-55, 3C1-56)
- 3C1-53** Synthesis and properties of N-confused calix[4]pyrin Pt complexes (Grad. Sch. Eng., Kyushu Univ.) HIROSAWA, Ryuji; FURUTA, Hiroyuki
- 3C1-54** Synthesis and Luminescent Properties of Bis(iminoimidazolato)platinum(II) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) HOSHINO, Makoto; KOMIYA, Naruyoshi; NAOTA, Takeshi
- 3C1-55** Construction of Chemical Sensors Based on Single Walled Carbon Nanotubes/Metal Complex Composites (Grad. Sch. Sci. Eng., Chuo Univ.) HASEGAWA, Takumi; KUROIWA, Kazuki; OZAWA, Hiroaki; HAGA, Masa-aki
- 3C1-56*** Synthesis and Adsorption/Separation Properties of Porous Light

Metal Complexes with Charge-Polarized Neutral Ligand (RIES, Hokkaido Univ.; Grad. Sch. Env. Sci., Hokkaido Univ.; JST-PRESTO; CRIS, Hokkaido Univ.; Kyoto Univ. Fukui Institute for Fundamental Chemistry) NORO, Shin-ichiro; MIZUTANI, Junya; HIJIKATA, Yuh; KUBO, Kazuya; NAKAMURA, Takayoshi

Sunday, March 30, AM

Chair: HANDA, Makoto (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(4C1-01, 4C1-02, 4C1-03, 4C1-04, 4C1-05, 4C1-06)

4C1-01 Synthesis of vanadium-containing porous coordination polymer macrostructures (Grad. Sch. Eng., Kyoto Univ.; iCeMS, Kyoto Univ.) YOSHIDA, Kenji; REBOUL, Julien; FURUKAWA, Shuhei; KITAGAWA, Susumu

4C1-02 Synthesis of V/Fe/S clusters from V(III) thiolate complexes bearing a phenoxide-based tridentate [O,E,O] (E = O, P) ligand (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) TANIYAMA, Nobuhiro; OHKI, Yasuhiro; TATSUMI, Kazuyuki

4C1-03 Structural Properties of Vanadium(V) Hydrazido Complexes (Grad. Sch. Eng., Osaka Univ.) MORIUCHI, Toshiyuki; SAKURAMOTO, Takashi; HIRAO, Toshikazu

4C1-04 Preparation of organically modified titanoxane bulk materials with thermoplastic properties and transparency (Kansai Univ.) ODA, Shinya; UCHIYAMA, Hiroaki; KOZUKA, Hiromitsu

4C1-05 Electrochemical synthesis of ammonia using titanocene dichloride in an ionic liquid (Nagoya Inst. of Tech. Department of frontier materials) KATATAMA, Akira; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki

4C1-06 Development of Bulky Monodentate Aryloxy Ligands and Their Complexation Properties (Fac. Sci. Eng., Kinki Univ.) KANAZAWA, Shoya; OHIRA, Taishi; GODA, Shun; MATSUO, Tsukasa

Chair: ISHIDA, Hitoshi (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(4C1-08, 4C1-09, 4C1-10, 4C1-11, 4C1-12, 4C1-13)

4C1-08 Electrochemical oxygen reduction using phthalocyanine complexes (IIS, The Univ. of Tokyo) MATSUMOTO, Shunsuke; ISHII, Kazuyuki

4C1-09 Synthesis and Properties of Metal Complexes of Resorcinol-Bridged Cofacial Cyclic Porphyrin Dimer (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YAMASHITA, Ken-ichi; KURAMOCHI, Narumi; ASANO, Motoko; SUGIURA, Ken-ichi

4C1-10 Synthesis and properties of Zn(II) phthalocyanines with peripherally introduced with carboxylic or pyridyl groups (Fac. Sci. Eng., Shimane Univ.; Grad. Sch. Med. Pharm. Sci. Edu., Univ. of Toyama) FUJISHIRO, Rei; IKEUE, Takahisa; SHIRATORI, Hideo; SUGIMORI, Tamotsu; HANDA, Makoto

4C1-11 Construction of light harvesting system consisting of membrane domain structure and metal complexes (Grad. Sch. Sci., Kyushu Univ.) HATAE, Tatsuru; KOSHIYAMA, Tomomi; OHBA, Masaaki

4C1-12[#] photochemical properties of bis(dipyrrinato)zinc dinuclear complexes (Grad. Sch. Sci., The Univ. of Tokyo) TSUCHIYA, Mizuho; KUSAKA, Shinpei; SAKAMOTO, Ryota; HIROSHI, Nishihara

4C1-13 Dynamic helicity inversion of helical multinuclear zinc complexes triggered by silyl removal reaction (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Coll. Sci. Eng., Kanazawa Univ.) SAIRENJI, Shihou; AKINE, Shigehisa; NABESHIMA, Tatsuya

Chair: OHBA, Masaaki (11 : 20 ~ 12 : 00)

* 11:10-11:20: interval for laptop PC connection.(4C1-15, 4C1-16, 4C1-17)

4C1-15 The synthesis and structure of the double helicate constructed by dipyrroctapyrrole (Grad. Sch. Sci., Kobe Univ.) MIYAGAWA, Hiroshi; SETSUNE, Jun-ichiro

4C1-16 Synthesis and Adsorptive property of Superhydrophobic Porous Coordination Polymer (iCeMS, Kyoto Univ.) MASAKAZU HIGUCHI, Higuchi; RAO, Prabhakara; SUSUMU, Kitagawa

4C1-17[#] Controlled Release of Guest Molecule Using Gate-Modified Metal Organic Framework (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) NAGATA, Shunjiro; SUGIKIWA, Kouta; KOKADO, Kenta; SADA, Kazuki

Sunday, March 30, PM

Chair: SADA, Kazuki (13 : 10 ~ 14 : 10)

* 13:00-13:10: interval for laptop PC connection.(4C1-26, 4C1-27, 4C1-29)

4C1-26 Synthesis, crystal structure and chiral guest adsorption of a novel double pillar type chiral ZnMOF (Fac. Chem. Materials and Bioeng., Kansai Univ.) HOTTA, Naoki; TANAKA, Koichi

4C1-27[#] Theoretical study on CO₂ adsorption in PCPs consisting of fluoride anions (Kyoto Univ. FIFC) HIJIKATA, Yuh; SAKAKI, Shigesyoshi

4C1-29 CSJ Award for Young Chemists Material Design Based on Dynamic Coordination Frameworks (Grad. Sch. Eng., Kyoto Univ.) HORIKE, Satoshi

Chair: NAKAMURA, Takayoshi (14 : 20 ~ 15 : 20)

* 14:10-14:20: interval for laptop PC connection.(4C1-33, 4C1-34, 4C1-37)

4C1-33 Synthesis of Porous Metal Complexes from Ligands Tethering Polymer Chains (Grad. Sch. Eng., Kyoto Univ.) KITAO, Takashi; UEMURA, Takashi; KITAGAWA, Susumu

4C1-34 Young Scholar Lectures of CSJ Selective Trapping of Labile Small Sulfur Allotropes in a Porous Coordination Network and the Direct X-ray Observation (POSTECH AMS) OHTSU, Hiroyoshi

4C1-37[#] Reversible Solid-liquid Phase Transition of Protonic Coordination Polymers (Grad. Sch. Eng., Kyoto Univ.) UMEYAMA, Daiki; HORIKE, Satoshi; INUKAI, Munehiro; KITAGAWA, Susumu

Chair: SETSUNE, Jun-ichiro (15 : 30 ~ 16 : 30)

* 15:20-15:30: interval for laptop PC connection.(4C1-40, 4C1-42, 4C1-44, 4C1-45)

4C1-40[#] Direct X-ray Observation of Unstable Sulfur in a Kinetically Assembled Porous Coordination Network (POSTECH AMS) KITAGAWA, Hakuba; OHTSU, Hiroyoshi; KAWANO, Masaki

4C1-42[#] Energy Phase Control Crystal Engineering in Coordination Network (POSTECH AMS) KOJIMA, Tatsuhiko; KITAGAWA, Hakuba; KAWANO, Masaki

4C1-44 Synthesis of plastic crystal coordination polymers with single-ion conductivity (Grad. Sch. Eng., Kyoto Univ.) OGIWARA, Naoki; HORIKE, Satoshi; INUKAI, Munehiro; KITAGAWA, Susumu

4C1-45 Unique structure of the magnetic molecule having a nucleobase moiety correlation with DNA (Grad. Sch. Sci., Tohoku Univ.) YOSHIE, Ohke; KOICHI, Kagesawa; MASAHIRO, Yamashita

Room C2

School of Engineering - Bldg. 1 132

Coordination Chemistry, Organometallic Chemistry

Thursday, March 27, AM

Multiple-bonded aluminum, silicon, and germanium compounds

Chair: WATANABE, Takahito (9 : 40 ~ 10 : 40)

* 9:30-9:40: interval for laptop PC connection.(1C2-05, 1C2-06, 1C2-07, 1C2-08, 1C2-09, 1C2-10)

1C2-05 Reactivity of an Anionic Aluminabenzene (Fac. Sci. Eng., Chuo Univ.) NAKAMURA, Taichi; SUZUKI, Katsunori; YAMASHITA, Makoto

1C2-06 Syntheses of Stannabenzenes by Taking Advantage of Combined Multiple Steric Protection Groups and Their Properties. (ICR, Kyoto Univ.) KANESATO, Shuhei; MIZUHATA, Yoshiyuki; NODA, Naoya; TOKITOH, Norihiro

1C2-07 Reactivity of 1,3-disilylcyclobutadiene (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KITAGAWA, Taichi; ENDO, Masahisa; NAKAMOTO, Masaaki; SKIGUCHI, Akira

1C2-08 Reaction of isolable 2,3-disila-1,3-butadiene (Grad. Sch. Sci., Tohoku Univ.) DAIKI, Motomatsu; SHINTARO, Ishida; TAKEAKI, Iwamoto

1C2-09 Cyclic Silylketone via Catalytic Tautomerization of Cyclic Silaenol (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OHMORI, Yu; ICHINOHE, Masaaki; SEKIGUCHI, Akira

1C2-10 Reductive Coupling Reactions of Dibromohydrosilane Bearing the Bulky Eind Group (Fac. Sci. Eng., Kinki Univ.) MIZUTANI, Shinsuke; HAYAKAWA, Naoki; TANIKAWA, Tomoharu; MATSUO, Tsukasa

Chair: SUZUKI, Katsunori (10 : 50 ~ 12 : 00)

* 10:40-10:50: interval for laptop PC connection.(1C2-12, 1C2-13, 1C2-14, 1C2-15, 1C2-16, 1C2-17, 1C2-18)

1C2-12 Structures and Electronic Property of Highly *Trans*-bent Disilenes (Grad. Sch. Sci., Tohoku Univ.) AKASAKA, Naohiko; ISHIDA, Shintaro; IWAMOTO, Takeaki

1C2-13 Attempted Synthesis of 1,2-Dialkynyldisilenes Bearing Various Substituents (ICR, Kyoto Univ.) EGAWA, Yasunobu; MIZUHATA, Yoshiyuki; TOKITOH, Norihiro

1C2-14 Synthesis and Characterization of Emissive Diaryldisilenes (Fac. Sci. Eng., Kinki Univ.) HAYAKAWA, Naoki; KOBAYASHI, Megumi; HASHIZUME, Daisuke; TAMAO, Kohei; FUENO, Hiroyuki; TANAKA, Kazuyoshi; MATSUO, Tsukasa

1C2-15 Generation and Reactivity of Non-classical 1,1-Diaminodisilene (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) NAKAZAWA, Seiichirou; ICHINOHE, Masaaki; SEKIGUCHI, Akira

1C2-16 Synthesis and Reactions of New Dialkylaryldisilene (Grad. Sch. Sci., Tohoku Univ.) KOSAI, Tomoyuki; ISHIDA, Shintaro; IWAMOTO, Takeaki

1C2-17 Formation of Disilene Species by the Thermal Isomerization of 1,2-Dilitihodisilene (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) HAGA, Kenshiro; ICHINOHE, Masaaki; SEKIGUCHI, Akira

1C2-18 Reactivity of a Cationic Metallogermylene and a Dicationic Dime-

talodigermene (Grad. Sch. Sci., Tohoku Univ.) INOMATA, Koya; WATANABE, Takahito; TOBITA, Hiromi

Friday, March 28, AM

Low-coordinate Group 14 element compounds

Chair: KAWACHI, Atsushi (9 : 00 ~ 9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(2C2-01, 2C2-03, 2C2-04, 2C2-05)
- 2C2-01**** Synthesis, characterization, and reactivity of novel silylenes utilizing functional groups (Technical University Berlin Institute of Chemistry) INOUE, Shigeyoshi
- 2C2-03** Activation of dihydrogen using an isolable dialkylsilylene in the presence of a base (Hangzhou Normal University Organosilicon Chemistry) LI, Zhifang; DONG, Zhaowen; XU, Zheng; LAI, Guoqiao; YAN, Chengqing; KIRA, Mitsuo
- 2C2-04#** Synthesis of a Hydrido(hydrosilylene)tungsten Complex Having an Eind Group on the Silicon and Its Reaction with Carbodiimides (Grad. Sch. Sci., Tohoku Univ.) YOSHIMOTO, Takashi; HASHIMOTO, Hisako; HAYAKAWA, Naoki; MATSUO, Tsukasa; TOBITA, Hiromi
- 2C2-05** Synthesis and Reactions of Stannylene Protected by the Bulky Rind Groups (Fac. Sci. Eng., Kinki Univ.) TANIKAWA, Tomoharu; LI, Liangchun; HASHIZUME, Daisuke; TAMAO, Kohei; MATSUO, Tsukasa

Chair: KANO, Naokazu (10 : 00 ~ 10 : 30)

- * 9:50-10:00: interval for laptop PC connection.(2C2-07, 2C2-08, 2C2-09, 2C2-10, 2C2-11)
- 2C2-07** Reactions of THF-Stabilized Plumbacyclopentadienyldiene with Small Molecules (Grad. Sch. Sci., Eng., Saitama Univ.) AKIBA, Tomoki; SAITO, Masaichi
- 2C2-08** Intramolecular Chain Hydrosilylation Using a Silyl Cation as a Chain Carrier (Fac. Sci., Gakushuin Univ.) ARII, Hidekazu; KAWASHIMA, Takayuki; MOCHIDA, Kunio
- 2C2-09** The study for the formation mechanism of trithiosilane (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) MORI, Akira; ICHINOHE, Masaaki; SEKIGUCHI, Akira
- 2C2-10** Electrochemical characteristics of radicals of heavy group elements with redox center and their application (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Toyota Central R&D Labs., Inc.; Grad. Sch. Sci., Hiroshima Univ.) MARUYAMA, Hitoshi; IMADA, Yasuyuki; NAKANO, Hideyuki; NAKAMOTO, Masaki; SEKIGUCHI, Akira; YAMAMOTO, Yohsuke
- 2C2-11** Triplet ground state meta-digermquinodimethane: Synthesis, Structure and Properties (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YOTSUYANAGI, Hiroko; ICHINOHE, Masaaki; SEKIGUCHI, Akira

Chair: ISHIDA, Shintaro (11 : 00 ~ 12 : 00)

- * 10:50-11:00: interval for laptop PC connection.(2C2-13, 2C2-14, 2C2-15, 2C2-16, 2C2-17)
- 2C2-13** Synthesis of the First Stannole Monoanion Complexes and Substituent Effect on the Tin Atom (Grad. Sch. Sci., Eng., Saitama Univ.; IMS; Kyoto Univ. FIFC) KUWABARA, Takuya; SAITO, Masaichi; ISHIMURA, Kazuya; GUO, Jing-dong; NAGASE, Shigeru
- 2C2-14** Pb(II)/Pb(IV) Redox System in Organolead Compounds (Grad. Sch. Sci., Eng., Saitama Univ.) NAKADA, Marisa; SAITO, Masaichi

Hypervalent silicon and tin compounds

- 2C2-15** Synthesis and characterization of tris(naphthalene-2,3-dialkoxido)silicate (Fac. Eng., Tottori Univ.) NAKASHIMA, Yuta; NANJO, Masato
- 2C2-16** Synthesis and Structure of Anionic Transition Metal Complexes Bearing a Pentacoordinated Tin Ligand (Grad. Sch. Sci., The Univ. of Tokyo; Kyoto Univ. Research Reactor Institute) KANO, Naokazu; SHIBATA, Yusuke; HAVARE, Nizam; MIYACHI, Mariko; KOBAYASHI, Yasuhiro

Polycyclic oligosilanes, Polysilanes

- 2C2-17*** Synthesis, Structure, and Properties of Cyclooligosilane-Fused Tricyclo[2.1.0.0^{2,5}]pentasilane (Gunma Univ. Faculty of Science and Technology) TSURUSAKI, Akihiro; KYUSHIN, Soichiro

Friday, March 28, PM

Chair: ICHINOHE, Masaaki (14 : 30 ~ 15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(2C2-34, 2C2-35, 2C2-36, 2C2-37, 2C2-38, 2C2-39)
- 2C2-34** Synthesis and investigation for inhibition of photo-degradation of novel polysilane with silole group in the side chain (Grad. Sch. Sci., Eng., Saitama Univ.) MUNEKATA, Yuki; HATANNO, Ken
- 2C2-35** Thermal and Photochemical Isomerization between Octasilacubane and Octasilacubane (Gunma Univ. Faculty of Science and Technology) NARAHARA, Shinji; TSURUSAKI, Akihiro; KYUSHIN, Soichiro
- 2C2-36** Synthesis and properties of ferrocenylene-bridged bicyclo[1.1.1]pentasilanes (Grad. Sch. Sci., Tohoku Univ.) KISHIMOTO, Yusuke; ISHIDA, Shintaro; IWAMOTO, Takeaki

- 2C2-37** Synthesis and Reactions of Oligosiletanes (Grad. Sch. Sci., Shizuoka Univ.) YAMADA, Kazuma; NISHINA, Naoko; SAKAMOTO, Kenkichi
- 2C2-38** Reduction of 1,1,2,2-Tetrachlorocyclohexasilane (Gunma Univ. Faculty of Science and Technology) KAMIYAMA, Jun; TSURUSAKI, Akihiro; KYUSHIN, Soichiro
- 2C2-39** Synthesis of an Oligosilane Building Block with a Branched Structure (Gunma Univ. Fac. Sci. Eng.) KOYAMA, Yu; TSURUSAKI, Akihiro; KYUSHIN, Soichiro

Chair: SETAKA, Wataru (15 : 40 ~ 16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(2C2-41, 2C2-42, 2C2-43, 2C2-44, 2C2-45)
- 2C2-41** Pyramidanes: Novel Type of Polyhedral Clusters (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ITO, Yuki; LEE, Vladimir ya.; SEKIGUCHI, Akira
- 2C2-42** Synthesis, structures and properties of the Si₄-based pyramidanes with the apical heavier group 14 element (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) MEGURO, Takahiko; LEE, Vladimir; SEKIGUCHI, Akira

Silyl and germyl substituted π -electron systems

- 2C2-43** Preparation of Ladder-type Silaborins by Dehydrogenative Cyclization and Their Structures (Grad. Sch. Sci., Hiroshima Univ.) HIROFUJI, Tatsuya; KAWACHI, Atsushi; YAMAMOTO, Yohsuke
- 2C2-44** Stereoselective Conversion of 9,10-Dialkynylanthracenes via Reductive Silylation (Gunma Univ. Faculty of Science and Technology) SHITARA, Daisuke; KANNO, Ken-ichiro; KYUSHIN, Soichiro
- 2C2-45** Synthesis of Hexaphenylbenzene Hexaanion Stabilized by Silyl Groups (Fac. Sci. Eng., Kinki Univ.) MAEDA, Tomoki; FUJIMOTO, Yuki; TANIKAWA, Tomoharu; HASHIZUME, Daisuke; MATSUO, Tsukasa

Chair: MATSUO, Tsukasa (16 : 40 ~ 17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(2C2-47, 2C2-48, 2C2-49, 2C2-50, 2C2-51)
- 2C2-47** Functionalization of π -system Linked Tetrahedranes: Synthesis of 1,4-bis(lithiotetrahydro)benzene and Their Reactivities (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KOBAYASHI, Yuzuru; NAKAMOTO, Masaaki; SEKIGUCHI, Akira
- 2C2-48** Synthesis and reactivity of cyclobutadiene bearing strong electron-withdrawing group (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHOJI, Yukako; INAGAKI, Yusuke; NAKAMOTO, Masaaki; SEKIGUCHI, Akira
- 2C2-49** Synthesis and Reactions of Trisilatrindanes (Grad. Sch. Sci., Eng., Saitama Univ.) FUJITA, Masahiro; SAITO, Masaichi
- 2C2-50** Synthesis and characterization of cyclic germane-acetylene compounds, germa[n]pericyclynnes (Grad. Sch. Mat. Sci., NAIST) NAGAO, Tomohiko; TANIMOTO, Hiroki; NISHIYAMA, Yasuhiro; MORIMOTO, Tsumoru; KAKIUCHI, Kiyomi
- 2C2-51** Synthesis and Properties of a Molecular Gyrotop with Germanium Junctions of a Rotor and Spokes (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) INAGAKI, Yusuke; SETAKA, Wataru

Resources Utilization Chemistry

Saturday, March 29, AM

Chair: EBITANI, Kohki (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3C2-01, 3C2-02, 3C2-03, 3C2-04, 3C2-05, 3C2-06)
- 3C2-01** Hydrodesulfurization, Hydrodenitrogenation and Hydrogenation on CoMo/Al₂O₃-TiO₂ catalysts. (Fac. Eng., Tokyo Univ. of Agri. and Technol.) IMAI, Kazumari; QIAN, Eika
- 3C2-02** Phosonium ionic liquids as efficient absorbant agents of carbon dioxide (Grad. Sch. Eng., Tottori Univ.) TANIGUCHI, Takayuki; MAKINO, Takashi; KANAKUBO, Mitsuhiro; FUKAYA, Yukinobu; HAYASE, Shuichi; NOKAMI, Toshiki; ITOH, Toshiyuki
- 3C2-03** Ability of calcined scallop shell as synthesis catalyst for biodiesel fuel (Asahikawa National College of Technology) YAMAKAWA, Kie; FURUSAKI, Atsushi
- 3C2-04** Greenhouse gas reforming by using non-equilibrium plasma-catalytic combination processes with low emission (Saitama Inst. of Tech.; AIST) SUGAWARA, Toshifumi; ARITANI, Hirofumi; OGATA, Atsushi
- 3C2-05** Study on hydrolysis of wool protein using zeolite (Grad. Sch. Sci. Tech., Nihon Univ.) OKA, Manami; KONISHI, Masato; NOGUUCHI, Shiori; KAKUTA, Yusuke; HIRANO, Katsumi
- 3C2-06** Development of the activated carbon from date palm precursor (Grad. Sch. Sci., Eng., Ehime Univ.; SHIMIZU Corp.) TACHIBANA, Kaoru; YAMAURA, Hiroyuki; SAGATA, Kunimasa; YAHIRO, Hidenori; SUEYOSHI, Mark Narimi; TASAKI, Masaharu; OKAMURA, Kazuo

Chair: QIAN, Eika W. (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3C2-08, 3C2-10, 3C2-12)
- 3C2-08*** Rare metal recovery from plating waste water via Homogeneous liquid-liquid extraction(HoLLE) and its application to recycle (Ind. Tech. Inst. Ibaraki Pref.) KATO, Takeshi; ANDO, Ryo; IGARASHI, Shukuro

Room C3

School of Engineering - Bldg. 1 133

Polymer

Thursday, March 27, AM

Chair: NORO, Atsushi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1C3-01, 1C3-02, 1C3-03, 1C3-04, 1C3-05)

1C3-01 Synthesis and Property of Polyrotaxane Networks Using Macromolecular[2]rotaxane Cross-linkers (Grad. Sch. Sci., Eng., Tokyo Tech) SAWADA, Jun; KUZUME, Michiko; AOKI, Daisuke; UCHIDA, Satoshi; NAKAZONO, Kazuko; TAKATA, Toshikazu**1C3-02** Catalyst-free Click Cross-linking of polymers with Multifunctional Aliphatic Nitrile N-Oxides (Grad. Sch. Sci., Eng., Tokyo Tech) MONJIYAMA, Shunsuke; WANG, Chen-gang; UCHIDA, Satoshi; TAKATA, Toshikazu**1C3-03** Synthesis of network polymers using an α -cyclodextrin-containing rotaxane cross-linker and evaluation of their property (Grad. Sch. Sci., Eng., Tokyo Tech) IJIMA, Keisuke; SOGAWA, Hiromitsu; UCHIDA, Satoshi; TAKATA, Toshikazu**1C3-04** Synthesis and mechanical properties of thermo-sensitive polymer gels using ionic polyrotaxane as cross-linkers with different molecular-weight (Sch. Eng., Nagoya Univ.) OMORI, Kana; ESAKI, Kenta; YASUMOTO, Atsushi; IMRAN, Abu Bin; TAKEOKA, Yukikazu; SEKI, Takahiro; ITO, Kohzo; SAKAI, Yasuhiro**1C3-05*** Preparation of Cross-linked Polymer in Surfactant Micelle encapsulating Carbon Nanotube (Grad. Sch. Eng., Kyushu Univ.) TSUTSUMI, Yusuke; FUJIGAYA, Tsuyohiko; NAKASHIMA, Naotoshi

Chair: NAGATA, Yuuya (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1C3-08, 1C3-09, 1C3-10, 1C3-11, 1C3-12)

1C3-08 Development of micro-patterning technology of thermo-responsive gel nanofiber using photolithography (TITC Machinery and Electronics Research Institute) YOKOYAMA, Yoshiyuki; KISHIOKA, Takahiro**1C3-09** Preparation and evaluation of high stretchable hydrogel based on host-guest interactions. (Grad. Sch. Sci., Osaka Univ.) HATANAKA, Shogo; TAKASHIMA, Yoshinori; HARADA, Akira**1C3-10** Preparation of redox-responsive hydrogels using inclusion complexes and its functional properties (Grad. Sch. Sci., Osaka Univ.) MIYAMAE, Kohei; NAKAHATA, Masaki; KAKUTA, Takahiro; TAKASHIMA, Yoshinori; YAMAGUCHI, Hiroyasu; HARADA, Akira**1C3-11** Preparation of supramolecular hydrogel crosslinked by [c2]rotaxane dimer and its photoresponsiveness. (Grad. Sch. Sci., Osaka Univ.) IWASO, Kazuhisa; TAKASHIMA, Yoshinori; YAMAGUCHI, Hiroyasu; HARADA, Akira**1C3-12*** Formation of Self-healable Supramolecular Materials using Inclusion Complexes and Mechanical Properties (Grad. Sch. Sci., Osaka Univ.) KAKUTA, Takahiro; TAKASHIMA, Yoshinori; HARADA, Akira

Chair: TAKASHIMA, Yoshinori (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1C3-15, 1C3-17, 1C3-18, 1C3-19, 1C3-20)

1C3-15* Self-healing properties of the supramolecular soft materials composed of hydrogen bonded networks (Grad. Sch. Eng., Nagoya Univ.; Ecole Supérieure de Physique et Chimie Industrielles) HAYASHI, Mikihiro; NORO, Atsushi; MATSUSHITA, Yushu; TOURNILHAC, Francois; LEIBLER, Ludwick**1C3-17** Visualization of diffusion of metal ions using a polymeric spiropyran cryogel (Sch. Eng., Tokyo Denki Univ.) TADOKORO, Osamu; SUZUKI, Takayuki**1C3-18** Colorimetric Sensor for Phosphate and Bicarbonate Ions Using Inverse Opal Hydrogel Functionalized with Dipicolylamine Zinc Complex (Fac. Sys. Eng., Wakayama Univ.) ONISHI, Takuya; KADO, Shinpei; KIMURA, Keiichi**1C3-19** Synthesis and Properties of Binaphthyl Derivatives Including a Quinone Precursor (Sch. Eng., Tokyo Denki Univ.) OTANI, Ayako; MIYASAKA, Makoto**1C3-20** Luminescence Properties of Network Polymers including AIE Molecules; Effect of Polymer Chain (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Fac. Sci., Hokkaido Univ.) TANIGUCHI, Ryosuke; KOKADO, Kenta; SADA, Kazuki

Thursday, March 27, PM

Chair: YASHIMA, Eiji (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1C3-28)

1C3-28 CSJ Award for Creative Works Construction of Stimuli-Sensitive Polymers Acting in Non-Aqueous Media and Development of**3C2-10*** Pressurized microwave alcoholysis of fiber reinforced plastics (Fac. Eng., Sojo Univ.) IKENAGA, Kazutoshi; ITO, Yusuke; UTSUNOMIYA, Saori**3C2-12*** An efficient chemical conversion of polyamides (Grad. Sch. Med., Yamaguchi Univ.; Ube Industries) KAMIMURA, Akio; IKEDA, Kosuke; SUZUKI, Shuzo; KAISO, Kouji; MATSUMOTO, Hiroshi; YOSHIMOTO, Makoto

Chair: KANDA, Yasuharu (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(3C2-15, 3C2-16, 3C2-17, 3C2-18, 3C2-19)

3C2-15 Antibacterial activity of polyamide fibers colored by Maillard reaction (Osaka Municipal Technical Research Institute Biomaterial and Commodity Chemicals Research Division) OHE, Takeru; YOSHIMURA, Yurika; MORIYOSHI, Kunihiko; OHMOTO, Takashi**3C2-16** Intramolecular Dehydration of Biomass-Derived Sugar Alcohols (AIST CCS; JST PRESTO) YAMAGUCHI, Aritomo; SATO, Osamu; MIMURA, Naoki; SHIRAI, Masayuki**3C2-17** Elucidation of reaction characteristics for steam reforming of ethanol catalyzed by novel carbon supported Ni catalyst (Grad. Sch. Eng., Mie Univ.) SATOH, Shunichi; SENDA, Hiroyuki; HASHIMOTO, Tadanori; NASU, Hiroyuki; ISHIIHARA, Atsushi**3C2-18** Synthesis of formic acid from sugars using solid base catalyst and hydrogen peroxide (Sch. Mat. Sci., JAIST) SATO, Ryo; NISHIMURA, Shun; EBITANI, Kohki**3C2-19** Synthesis of alcohols via chemoselective catalytic reduction of biomass-derived furan compounds (Sch. Mat. Sci., JAIST) SHIMURA, Takuma; NISHIMURA, Shun; EBITANI, Kohki

Saturday, March 29, PM

Chair: YOSHIOKA, Toshiaki (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(3C2-34, 3C2-35, 3C2-36, 3C2-37, 3C2-38, 3C2-39)

3C2-34 Extraction of polysaccharides from woody biomass with tetra-*n*-butylphosphonium hydroxide aqueous solution without heating (Fac. Eng., Tokyo Univ. of Agri. and Technol.) YAMANAKA, Sachiko; ABE, Mitsuru; OHNO, Hiroyuki**3C2-35** A kinetic study on lactic acid hydrolysis of cotton fiber by semi-flow reactor (Grad. Sch. Sci. Tech., Nihon Univ.) AOKI, Yu; KAKUTA, Yusuke; HIRANO, Katsumi**3C2-36** Selective conversion of cellulose to levoglucosan by superheated steam method (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SHIMATAI, Asami; TAMAKI, Yukihiko; IWAMOTO, Masakazu**3C2-37** Analysis of inhibition factor of paper sludge saccharification reaction by cellulase (Numazu National College of Technology Chemistry and Biochemistry) KANEKO, Kyoushirou; KURASAWA, Hikaru; TANIGUCHI, Yuuki; TAKEGUCHI, Masayuki; HASUMI, Fumihiko**3C2-38** Elucidation of Hydrothermal Liquefaction Mechanism of Cellulose Using a Metal Supported Solid Acid Catalyst under a Hydrogen Atmosphere (Fac. Eng., Tokyo Univ. of Agri. and Technol.) OGAWA, Ayumu; IKEDA, Saki; SIRAI, Hisakazu; TOMINAGA, Hiroyuki; QIAN, Eika**3C2-39** Production of C_{2+} Alcohols from Syngas on CeO_2 Supported Cr, Mo and W-based Catalysts (Fac. Eng., Tokyo Univ. of Agri. and Technol.) YAMANOUCHI, Tomomi; NISHIHARA, Yoshiro; TOYODA, Takashi; QIAN, Eika

Chair: KAKUTA, Yusuke (15 : 40~16 : 30)

* 15:30-15:40: interval for laptop PC connection.(3C2-41, 3C2-42, 3C2-43, 3C2-44, 3C2-45)

3C2-41 Hydrodeoxygenation of Phenols by Zeolite-Supported Rhodium Catalysts (Grad. Sch. Sci., Eng., Ehime Univ.) OHTA, Hidetoshi; YAMAMOTO, Kentaro; WATANABE, Yutaka; HAYASHI, Minoru**3C2-42** Transesterification and Skeletal Isomerization of Vegetable Oil on Solid Acid Catalysts (BASE, Tokyo Univ. of Agri. and Technol.) WATANABE, Toshitaka; QIAN, Eika**3C2-43** Development of an AgCl/Al₂O₃ membrane for the recovery of chloride from organic solvent (Grad. Sch. Environmental Studies, Tohoku Univ.) YAMADA, Kento; GUIDO, Grause; KAMEDA, Tomohito; YOSHIOKA, Toshiaki**3C2-44** Chemical modification of CPVC by nucleophilic substitution (Grad. Sch. Environmental Studies, Tohoku Univ.) NAGASAKI, Yuko; GRAUSE, Guido; KAMEDA, Tomohito; YOSHIOKA, Toshiaki**3C2-45** Chemical Recycling by Degradation of Polyethylene Using Zinc Zeolite Catalysts (MURORAN INST. OF TECH.) OHISHI, Ryota; KANDA, Yasuharu; SUGIOKA, Masatoshi; UEMICHI, Yoshio

Crystalline-State Polymerization via Crosslinking of Coordination Polymers (Grad. Sch. Sci., Hokkaido Univ.) SADA, Kazuki

Chair: SAWADA, Toshiki (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1C3-35, 1C3-37, 1C3-38, 1C3-39, 1C3-40)

1C3-35[#] Pore Surface Functionalization of Covalent Organic Frameworks and the Impact on Gas Adsorption (SOKENDAI) HUANG, Ning; JIANG, Donglin

1C3-37 Synthesis of thermoresponsive triblock polymers having electron donor moieties at their center and observation of charge transfer interaction during their phase transition (Fac. Sci. Eng., Kinki Univ.) TSURUTANI, Kazuma; ISHIFUNE, Manabu

1C3-38 Synthesis and characterization of the thermoresponsive triblock polymers having Lewis acid functionalities at their center units sequence (Fac. Sci. Eng., Kinki Univ.) MORITA, Tomoya; ISHIFUNE, Manabu

1C3-39 Synthesis and phase transition behavior of novel optically active thermoresponsive polymers having aminoalcohol moieties as their side chains (Fac. Sci. Eng., Kinki Univ.) NISHIKAWA, Toshiki; ISHIFUNE, Manabu

1C3-40 Fabrication of DNA brush for macro scale adhesion technology (Sch. Sci., Hokkaido Univ.) NAKAMURA, Satoshi; MITOMO, Hideyuki; SUZUKI, Yasunobu; MATSUO, Yasutaka; NIHKURA, Kenichi; JIRO, Kunihara

Chair: UCHIDA, Satoshi (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1C3-42, 1C3-44, 1C3-45, 1C3-46)

1C3-42* Control of hydrolytic activities of cellulose nanocrystals by chaotropes (Grad. Sch. Sci., Eng., Tokyo Tech) OKURA, Hiromichi; WADA, Masahisa; SERIZAWA, Takeshi

1C3-44 Hydrolytic Activity of Cellulose II Nanosheets Synthesized by Enzymatic Polymerization (Grad. Sch. Sci., Eng., Tokyo Tech) KATO, Mari; OKURA, Hiromichi; SAWADA, Toshiki; SERIZAWA, Takeshi

1C3-45 Time-dependent sol transition of hydrogels containing crystalline cellulose. (Grad. Sch. Sci., Eng., Tokyo Tech) FUKUTA, Hiroki; SAWADA, Toshiki; SERIZAWA, Takeshi

1C3-46[#] Catalytic covalent organic frameworks via pore surface engineering (IMS) XU, Hong; JIANG, Donglin

Chair: JIANG, Dong-lin (17 : 00~18 : 00)

* 16:50-17:00: interval for laptop PC connection.(1C3-49, 1C3-50, 1C3-51, 1C3-52, 1C3-53, 1C3-54)

1C3-49 Hydrogenation Catalytic Activity of Platinum Subnanocluster Templated by Pnenylazomethine Dendrimer (Chem. Res. Lab., Tokyo Tech) NAKAMICHI, Aki; TAKAHASHI, Masaki; IMAOKA, Takane; YAMAMOTO, Kimihisa

1C3-50[#] Synthesis and Helical Chirality Induction of Poly(quinoxaline-2,3-diyl)s Bearing a Boronic Ester Group on the Quinoxaline Ring (Grad. Sch. Eng., Kyoto Univ.) YAMAMOTO, Takeshi; MURAKAMI, Ryo; SUGINOME, Michinori

1C3-51 Polyquinoxalines Bearing Lactic Acid Ester Derivatives as Chiral Side Chains: Inversion of Main Chain Helical Chirality in Ether Solvents (Grad. Sch. Eng., Kyoto Univ.) NAGATA, Yuuya; KURODA, Takuma; TAKAGI, Keisuke; SUGINOME, Michinori

1C3-52[#] Helix inversion of poly(quinoxaline-2,3-diyl)s depending on the molecular shape of alkane solvents (Grad. Sch. Eng., Kyoto Univ.) NAGATA, Yuuya; NISHIKAWA, Tsuyoshi; SUGINOME, Michinori

1C3-53 Pressure-Dependent Helix Inversion of Poly(quinoxaline-2,3-diyl)s Bearing Chiral Side Chain (Grad. Sch. Eng., Kyoto Univ.) NAGATA, Yuuya; TAKEDA, Ryohei; SUGINOME, Michinori

1C3-54 Structure Analyses on Thin Film of Polylactide Stereocomplex Prepared by Alternative Assembly by Inkjet (MEI Center, Osaka Univ.) KURODA, Ayaka; AJIRO, Hiroharu; HINOUE, Tomoaki; AKASHI, Mitsuru

Friday, March 28, AM

Chair: MIKI, Koji (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2C3-01, 2C3-02, 2C3-04, 2C3-05, 2C3-06)

2C3-01 Chiroptical Properties of Optically Active Poly(diphenylacetylene) Derivatives Bearing Amide Groups in the Side Chains and Their Application to Chiral Stationary Phases for HPLC (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) SHIMOMURA, Kouhei; MARUTA, Miyuki; MAEDA, Katsuhiro; IKAI, Tomoyuki; KANO, Shigeyoshi

2C3-02* Synthesis of Poly(biphenylacetylene)s Bearing Various Polar Pendants and Their Application to Chiral Stationary Phases for HPLC (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.; Grad. Sch. Eng., Nagoya Univ.) IKAI, Tomoyuki; ISHIDATE, Ryoma; SATO, Toru; SHIMOMURA, Kouhei; MAEDA, Katsuhiro; KANO, Shigeyoshi; YASHIMA, Eiji

2C3-04 Synthesis of the polymer ligand involving the azobenzene derivative with a long alkyl moiety and evaluation of photo-reversible oxygenation in cobalt(II) salen membrane (Sch. Eng., Tokyo Denki Univ.) ENDO, Ryosuke; SUZUKI, Takayuki

2C3-05 Preparation of Cobalt Porphyrin Network Polymers and Facilitated

Oxygen Transport through The Membrane (Sch. Advanced Sci. Eng., Waseda Univ.) HISAMA, Ayako; CHIKUSHI, Natsuru; NISHIDE, Hiroyuki

2C3-06 Preparation of organic-inorganic hybrid membrane from alkoxysilane bearing hydrophilic group and evaluation for water separation (Fac. Eng., Hiroshima Univ.) YAMAMOTO, Kazuki; OHSHITA, Joji; TSURU, Toshinori

Chair: IKAI, Tomoyuki (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2C3-08, 2C3-09, 2C3-10, 2C3-11, 2C3-12, 2C3-13)

2C3-08 Fabrication of calix[4]arene-crown[6]ether polyamide nanosheet and evaluation of its ability to capture Cs ions (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) NOGUCHI, Gen; SATO, Katsunori; MURATA, Atsushi; FUJIE, Toshinori; TAKEOKA, Shinji

2C3-09 Synthesis of Anion-Conducting Polymer Electrolyte Membrane Containing Imidazolium Group by Radiation Grafting (Saitama Inst. of Tech.; QBS, JAEA) WATANABE, Shun; HAGIWARA, Tokio; YOSHIMURA, Kimio; MAEKAWA, Yasunari

2C3-10 Fabrication and photoelectrochemical properties of electrodeposited polythiophene-gold nanoparticles composite films (The Univ. of Shiga Pref. School of Engineering) KUMAGAWA, Yu; NISHIMURA, Yuki; OKU, Takeo; AKIYAMA, Tsuyoshi

2C3-11 Phospholipid Polymer Colloids in Aqueous Medium for Application as Organic Chemical Reaction Space (Konan Univ.) KAWAGUCHI, Marina; KIMOTO, Atsushi; WATANABE, Junji; IKEDA, Yoshiyuki

2C3-12 Amphiphilic hyaluronic acid derivatives for photoacoustic tumor imaging (Grad. Sch. Eng., Kyoto Univ.; Canon Inc. Corporate R&D Headquarters) MIKI, Koji; INOUE, Tatsuhiro; MATSUOKA, Hideki; YAMAUCHI, Fumio; YANO, Tetsuya; OHE, Kouichi

2C3-13 Protecting-group-free Precision Synthesis and Functional Evaluation of Glycopolymers with Pendant Thioglycosides (KIT) TANAKA, Tomonari; INOUE, Genri

Chair: MAEDA, Katsuhiro (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2C3-15, 2C3-17, 2C3-19)

2C3-15* Synthesis of Polymeric Ligand for C-reactive Protein Grafted Au Nanoparticles by Surface-initiated Atom Transfer Radical Polymerization and Its Selective Recognition Property (Grad. Sch. Eng., Kobe Univ.) KITAYAMA, Yukiya; TAKEUCHI, Toshifumi

2C3-17* Photothermal property of functional nanocarbon polymer complex for nanobiotechnology (NTRC, AIST) MIYAKO, Eijiro

2C3-19* Bottom-up fabrication of graphene nanoribbon by radical polymerization chemical vapor deposition method, and its semiconducting property. (IAE, Kyoto Univ.) KOJIMA, Takahiro; HIRANO, Yoshitaka; YANO, Maki; SAKAGUCHI, Hiroshi

Friday, March 28, PM

Chair: TAKEUCHI, Toshifumi (13 : 30~14 : 40)

* 13:20-13:30: interval for laptop PC connection.(2C3-28, 2C3-29, 2C3-31, 2C3-32, 2C3-33)

2C3-28 UV curing behaviors of novel dendritic thiol-ene photopolymers and their application to nanoimprint resins. (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) YAMADA, Masatsugu; NAKAGAWA, Masaru; HIRAO, Akiko; ICHIMURA, Kumihiko; AOKI, Ken'ichi

2C3-29* Ring-expanded Methallophthalocyanines having Large π -planar Structures (Fac. Textile Sci. Technol., Shinshu Univ.) SUZUKI, Hiroyuki; KIMURA, Mutsumi

2C3-31 Copolymers Having Dioxocycloalkene-annulated Thiophene: Influence of Molecular Structure and Device Fabrication Method on Photovoltaic Characteristics (Grad. Sch. Eng., Osaka Univ.) JIANMING, Huang; YUTAKA, Ie; YOSHIO, Aso

2C3-32 Synthesis and luminescence properties of polysilsesquioxanes with dithienogermole (Fac. Eng., Hiroshima Univ.) NAKAMURA, Masashi; OHSHITA, Joji; YAMAMOTO, Kazuki; TANAKA, Daiki; MATSUKAWA, Kimihiko; WATASE, Seiji

2C3-33[#] Towards Luminescence Covalent Organic Frameworks (IMS) CHEN, Xiong; NAGAI, Atshushi; JIANG, Donglin

Saturday, March 29, AM

Chair: KONISHI, Gen-ichi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3C3-01, 3C3-03, 3C3-04, 3C3-05, 3C3-06)

3C3-01[#] Light Scattering of Copolymers in Bulk (Grad. Sch. Sci. Tech., Keio Univ.) KOIKE, Kotaro; KOIKE, Yasuhiro

3C3-03 Synthesis and Evaluation of Functions of Polymers with Oligothiophene Side Chains (Grad. Sch. Sci. Eng., Chuo Univ.) KANEKO, Masahiro; TAKAYANAGI, Nana; UBE, Toru; HAGA, Masa-aki; IKEDA, Tomiki; OGUMA, Jun; IKEHIRA, Hideyuki

3C3-04 Fabrication of polymer films with periodic structures based on dynamic photopolymerization (Chem. Res. Lab., Tokyo Tech) AIZAWA, Miho; HISANO, Kyohei; MAMIYA, Jun-ichi; KINOSHITA, Motoi; SASAKI, Takeo; SHISHIDO, Atsushi

3C3-05 Photoresponsive Behavior of Photomobile Materials Composed of

Crosslinked Azobenzene Liquid-Crystalline Polymer and Polymethacrylates (Grad. Sch. Sci. Eng., Chuo Univ.) TAKADO, Kiyohide; UBE, Toru; IKEDA, Tomiki

3C3-06 Synthesis and Properties of Polymers containing Salicylideneaniline Groups (Sch. Eng., Tokyo Denki Univ.) IGOTA, Satoshi; MIYASAKA, Makoto

Chair: OYAIZU, Ken'ichi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3C3-08, 3C3-09, 3C3-11, 3C3-13)

3C3-08 Circular-Polarized Selective Reflection Properties of Polyquinoxaline Thin Films Bearing 8-fluorooctoxy Side Chains in Visible Light Region (Grad. Sch. Eng., Kyoto Univ.) NAGATA, Yuuya; UNO, Makoto; TAKAGI, Keisuke; SUGINOME, Michinori

3C3-09* Design and application of photofunctional aromatic polymers (Grad. Sch. Sci., Eng., Tokyo Tech) KONISHI, Gen-ichi

3C3-11** An Azine-linked Covalent Organic Framework: A New Crystalline Material for H-bond driven fluorescence Detection of Trace Explosive (IMS) DALAPATI, Sasanka; NAGAI, Atsushi; JIANG, Donglin

3C3-13 Synthesis and characterization of graft-type hydrocarbon electrolytes (III) -Effect of graft structure- (Grad. Sch. of Sci. Technol., Sophia Univ.) NISHINUMA, Takuya; FUJITA, Masahiro; TAKEOKA, Yuko; RIKUKAWA, Masahiro

Chair: SHISHIDO, Atsushi (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3C3-15, 3C3-17, 3C3-18, 3C3-19, 3C3-20)

3C3-15* Development of polymer electrolytes for unhumidified PEFC composed of polymers having alcoholic hydroxyl groups and broensted acid (Grad. Sch. Eng., Yokohama Natl. Univ.) SUZUKI, Mikio; OYAMA, Toshiyuki

3C3-17 Electrochemical Properties of Polynorbornene Containing an Equimolar TEMPO and Anionic Site for Charge Compensation (Fac. Sci. Eng., Waseda Univ.) MURATA, Tomoaki; AGATSUMA, Haruka; SUKEGAWA, Takashi; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-18 Electrochemical Properties of Poly(TEMPO-substituted Methacrylate) as an Electrode-Active Material in a Redox Flow Cell (Fac. Sci. Eng., Waseda Univ.) SAKAZAKI, Ryoosuke; SUKEGAWA, Takashi; MASUKO, Issei; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-19 Photovoltaic and Charging- and Discharging-Properties of Dye Sensitized Solar Cell Fabricated with Polyviologen-based Electrode. (Sch. Advanced Sci. Eng., Waseda Univ.) EGASHIRA, Tatsuya; HARA, Shu; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-20 Photovoltaic and Charging-Discharging Properties for Energy-Storable Dye-Sensitized Solar Cells Combined with Radical Polymer-based Secondary Batteries. (Sch. Advanced Sci. Eng., Waseda Univ.) HARADA, Kohei; UENO, Masahiro; KATO, Humiaki; OYAIZU, Kenichi; NISHIDE, Hiroyuki

Saturday, March 29, PM

Chair: TERA0, Jun (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(3C3-28, 3C3-29, 3C3-30, 3C3-31, 3C3-32, 3C3-33)

3C3-28 Synthesis of Polyphenanthrenequinone Derivatives and Their Properties as an Organic Cathode-Active Material (Fac. Sci. Eng., Waseda Univ.) NAKAO, Satoshi; KAWAI, Takuma; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-29 Fabrication and Electrochemical Properties of Polyethyleneimine-Anthraquinone Modified Electrodes (Sch. Advanced Sci. Eng., Waseda Univ.) KATAGIRI, Ryu; KAWAI, Takuma; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-30 Surface-Initiated Ring-Opening Metathesis Polymerization to Form Poly(TEMPO-Substituted Norbornene) Brush and its Electrochemical Property (Fac. Sci. Eng., Waseda Univ.) YAMASAKI, Takaaki; TAKAHASHI, Katsuyuki; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-31 Electrochemical Properties of pn Junction-type Devices Fabricated with Galvinoxyl and TEMPO-substituted Polymers (Fac. Sci. Eng., Waseda Univ.) KAKITANI, Keita; TOKUE, Hiroshi; OYAIZU, Kenichi; NISHIDE, Hiroyuki

3C3-32 Fabrication of Transparent Electrodes by Line Patterning of a Conductive Polymer (Grad. Sch. Med., Eng., Univ. of Yamanashi) OMI, Takuya; TAKIGAMI, Yuki; MOCHIZUKI, Takeo; IRIYAMA, Yu; OKUZAKI, Hidenori

3C3-33 Fabrication and characterization of flexible organic field-effect transistors. (Grad. Sch. Med., Eng., Univ. of Yamanashi) KUBOTA, Tomoaki; KONAGAYA, Wataru; TSUKUDA, Toshiaki; IRIYAMA, Yu; OKUZAKI, Hidenori

Chair: OYAMA, Toshiyuki (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(3C3-35, 3C3-36, 3C3-37, 3C3-39)

3C3-35 Effects of polymer dopant on structure and electrical conductivity of PEDOT (Grad. Sch. Med., Eng., Univ. of Yamanashi) TAKEZAWA, Hiromi; KATSUNUMA, Masato; HIKAWA, Hanae; HORII, Tatsuhiro;

RI, Yuechen; OKUZAKI, Hidenori

3C3-36 Synthesis of Alternated Copolymers with Push-Pull Effect and Application to Solar Cell (IV) -Alkyl-type and Fluoro-type Copolymers for Photovoltaic Cells- (Grad. Sch. of Sci. Technol., Sophia Univ.) KIM, Taejin; FUJITA, Masahiro; TAKEOKA, Yuko; RIKUKAWA, Masahiro

3C3-37* Pyrene cored organic semiconductors for solution processed bulk-heterojunction solar cells (Grad. Sch. Sci. Technol., Shinshu Univ.) TAKEMOTO, Keisuke; KIMURA, Mutsumi

3C3-39* Development of imidazolium salt-terminated polyhedral oligomeric octasilicate-core dendrimers based solid-state electrolytes for dye sensitized solar cells. (KIT) IRIE, Yasuyuki; FUGINAGA, Hiroaki; IWASAKI, Masashi; NAKA, Kensuke

Chair: OKUZAKI, Hidenori (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(3C3-42, 3C3-44, 3C3-46)

3C3-42* Immobilization of Ionic Liquids into Polyurethane Films for Sustainable Antistatic Properties (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TSURUMAKI, Akiko; IWATA, Takuya; TAJIMA, Saori; OHNO, Hiroyuki

3C3-44* Syntheses of Insulated Conjugated Coordination Polymers and Their Optical and Electrical Properties in the Solid State (Grad. Sch. Eng., Kyoto Univ.) MASAI, Hiroshi; TERA0, Jun; FUJIHARA, Tetsuaki; TSUJI, Yasushi

3C3-46* Synthesis and evaluation of novel organic-metallic hybrid polymers containing azo-ligands (NIMS Electronic Functional Materials Group) KANAO, Miki; HIGUCHI, Masayoshi

Chair: TAKEOKA, Yuko (17 : 00~18 : 10)

* 16:50-17:00: interval for laptop PC connection.(3C3-49, 3C3-50, 3C3-52, 3C3-54)

3C3-49 Hysteresis characteristics of organic thin film transistor fabricated with RNA/lipid complex film as a gate dielectric layer (Fac. Eng., Chiba Univ.) MATSUMOTO, Tomoaki; IKOGA, Taihe; LIANG, Lijuan; UEMURA, Sei; KAMATA, Toshihide; NAKAMURA, Kazuki; KOBAYASHI, Norihisa

3C3-50** Design and Synthesis of n-Type Covalent Organic Frameworks (IMS Material) CHEN, Long; JIANG, Donglin; NAGAI, Atsushi

3C3-52** Organic Porous Polymer Thin Films: Controlled Synthesis and Functional Design (IMS) GU, Cheng; JIANG, Donglin

3C3-54** Photocatalysts based on Conjugated Microporous Polymers (IMS Substance molecular science research area) XU, Yanhong; JIANG, Donglin

Sunday, March 30, AM

Chair: YAMAMOTO, Kazuya (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(4C3-01, 4C3-03, 4C3-04, 4C3-05)

4C3-01** Exceptional Energy Storage by Organic Porous Polymers (IMS) FEI, Xu

4C3-03 Formation of low frictional sliding interface by the combination of a smooth sheet and ionic liquid polymer brushes (Tsuruoka Nat. Coll. of Tech.) ARAFUNE, Hiroyuki; KAMIJO, Toshio; MORINAGA, Takashi; SATO, Takaya

4C3-04 Synthesis and properties of novel D-A type polymers containing alkoxy-substituted oligothiophenes (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) TADA, Naofumi; SAGAWA, Hitoshi; IMAE, Ichiro; KOMAGUCHI, Kenji; HARIMA, Yutaka

4C3-05* Synthesis and Functionalization of Poly(diene Sulfone)s Containing Fluorenyl Groups in the Side Group (Grad. Sch. Eng., Osaka Pref. Univ.; Grad. Sch. Eng., Osaka City Univ.) INUI, Yoshitaka; LEE, Sungi; OKAMURA, Haruyuki; MATSUMOTO, Akikazu

Chair: TACHIBANA, Yuya (10 : 10~11 : 20)

* 10:00-10:10: interval for laptop PC connection.(4C3-08, 4C3-09, 4C3-11, 4C3-12, 4C3-13, 4C3-14)

4C3-08 Dissolution and refolding of immobilized cellulase using ionic liquids (Fac. Eng., Tokyo Univ. of Agri. and Technol.) KAJIYAMA, Mayuko; FUJITA, Kyoko; LIEU, Yuan; NAKAMURA, Nobuhumi; OHNO, Hiroyuki

4C3-09* Amylose Engineering: Chemo-Enzymatic synthesis of glyco star polymer for a new glyco-biomaterials (Grad. Sch. Eng., Kyoto Univ.; ERATO, JST) NISHIMURA, Tomoki; MUKAI, Sada-atsu; SAWADA, Shinichi; AKIYOSHI, Kazunari

4C3-11 Enzymatic Synthesis of α -Glucosamine Chains Catalyzed by Thermostable Phosphorylase (Grad. Sch. Sci., Eng., Kagoshima Univ.) SHIMOHIGOSHI, Riko; YAMAMOTO, Kazuya; KADOKAWA, Jun-ichi

4C3-12 Nanomaterialization from Chitin Derivatives by Gas Bubbling Treatment in Water (Grad. Sch. Sci., Eng., Kagoshima Univ.) TANAKA, Kohei; YAMAMOTO, Kazuya; KADOKAWA, Jun-ichi

4C3-13 Preparation of Chitin Nanofiber/Cellulose Composite Films Using Ionic Liquids (Grad. Sch. Sci., Eng., Kagoshima Univ.) YAMAMOTO, Kazuya; TAJIRI, Rie; KADOKAWA, Jun-ichi

4C3-14 Preparation of Carboxymethyl Cellulose/Chitin Nanofiber Composite Film (Grad. Sch. Sci., Eng., Kagoshima Univ.) HATANAKA, Daisuke; YAMAMOTO, Kazuya; KADOKAWA, Jun-ichi

Chair: NISHIMURA, Tomoki (11 : 30~12 : 40)

* 11:20-11:30: interval for laptop PC connection.(4C3-16, 4C3-17, 4C3-18, 4C3-19, 4C3-20, 4C3-22)

- 4C3-16** Development of novel tissue adhesives using chitin nanofibers (Grad. Sch. Eng., Tottori Univ.) ITO, Yoshiki; SHIMIZU, Haruki; IZAWA, Hironori; IFUKU, Shinsuke; MORIMOTO, Minoru; SAIMOTO, Hiroyuki
- 4C3-17** synthesis of a polymer undergoing self-hydrolyzed reaction and its development in molecule-releasing materials (Fac. Eng., KAIT) MORIKAWA, Hiroshi; MOTEGI, Dai; UMEMIYA, Kensuke
- 4C3-18** solution state helical structure study of Poly-L-Lactic acid (Grad. Sch. Life Sci., Hokkaido Univ.) HONGEN, Takahiro; TANIGUCHI, Tohru; MONDE, Kenji
- 4C3-19** Preferential formation of PLA stereocomplex with self-assembly of complementary ion-pair (Gunma Univ. Faculty of Sci. Tech) TAKAYAMA, Hitomi; TACHIBANA, Yuya; KASUYA, Kenichi
- 4C3-20*** Synthesis Biodegradable Polyester having Bicycle Moiety from Bio-based furfural (Gunma Univ. Faculty of Sci. Tech., JST-PRESTO) TACHIBANA, Yuya; YAMAHATA, Masayuki; KASUYA, Kenichi
- 4C3-22** Synthesis of co-polyester having oxabicyclic moiety (Gunma Univ. Faculty of Sci. Tech, JST-PRESTO) KIMURA, Saori; YAMAHATA, Masayuki; TACHIBANA, Yuya; KASUYA, Kenichi

Room C4

School of Engineering - Bldg. 1 142

Polymer

Thursday, March 27, AM

Chair: OCHIAI, Bungo (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1C4-01, 1C4-03, 1C4-05, 1C4-06)

- 1C4-01*** Elucidation of the termination mechanism of radical polymerization (ICR, Kyoto Univ.; JST-CREST) NAKAMURA, Yasuyuki; YAMAGO, Shigeru
- 1C4-03*** Synthesis of Novel Main- and Side-Chain-Sequenced Polymers via Radical Copolymerization of Maleimide-Functionalized Sequence-Regulated Oligomers (Grad. Sch. Eng., Nagoya Univ.) SOEJIMA, Takamasa; SATOH, Kotaro; KAMIGAITO, Masami
- 1C4-05** Atom Transfer Radical Polymerization of Acrylic Acid by Hematin Catalysis (Grad. Sch. Sci., Eng., Kagoshima Univ.) YAMASHITA, Kazuya; HOSHINO, Yuji; YAMAMOTO, Kazuya; KADOKAWA, Jun-ichi
- 1C4-06** Polymerization with RAFT agent bearing cyclodextrin moiety and changes on polymerization behavior by including monomer (Grad. Sch. Sci., Osaka Univ.; JST CREST) KOYANAGI, Kohei; NAKAMURA, Takashi; TAKASHIMA, Yoshinori; YAMAGUCHI, Hiroyasu; HARADA, Akira

Chair: KADOKAWA, Jun-ichi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1C4-08, 1C4-09, 1C4-11, 1C4-12, 1C4-13)

- 1C4-08** Thiol-Ene reaction of Zinc Bis(N-allyldithiocarbamate) Derivatives and Their Application for Highly Refractive Materials (Grad. Sch. Sci., Eng., Yamagata Univ.) NAGAYAMA, Shintaro; OCHIAI, Bungo
- 1C4-09*** Living Cationic RAFT Polymerization: Controlled Cationic Polymerization via Reversible Chain Transfer and Synthesis of Novel Block Copolymer (Grad. Sch. Eng., Nagoya Univ.) UCHIYAMA, Mineto; SATOH, Kotaro; KAMIGAITO, Masami
- 1C4-11** Synthesis of geometrical-block polyisoprene with neodymium-based catalyst (Grad. Sch. Eng., Hiroshima Univ.) SATO, Hiroki; EBERHARDT, Peter; TANAKA, Ryo; NAKAYAMA, Yuushou; SHIONO, Takeshi
- 1C4-12** Alternating copolymerization of methylmethylene cyclohexanes with carbon monoxide by diimine Pd catalysts (Chem. Res. Lab., Tokyo Tech) WATANABE, Keisuke; TAKEUCHI, Daisuke; OSAKADA, Kohtaro
- 1C4-13** Alternating Copolymerization of Aryne Equivalents with Carbon Monoxide (Grad. Sch. Eng., The Univ. of Tokyo) WANG, Wenhan; ITO, Shingo; NOZAKI, Kyoko

Chair: TOMITA, Ikuyoshi (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1C4-15, 1C4-16, 1C4-18, 1C4-19, 1C4-20)

- 1C4-15** Ring-Opening Polymerization of γ -Butyrolactone Under High Pressure Conditions (Grad. Sch. Sci., Eng., Kagoshima Univ.) YAMASHITA, Kazuya; YAMAMOTO, Kazuya; KADOKAWA, Jun-ichi
- 1C4-16*** Investigation of Model Reactions for Catalyst-Transfer Condensation Polymerization of Conjugated Monomers Consisting of Aromatic Ring and C-C Double Bond. (Fac. Eng., Kanagawa Univ.) NOJIMA, Masataka; OHTA, Yoshihiro; YOKOZAWA, Tsutomu
- 1C4-18** Investigation of Model Reactions for Catalyst-Transfer Polymerization of Donor-Acceptor Biaryl Monomers (Grad. Sch. Eng., Kanagawa Univ.) KATOH, Masaru; OHTA, Yoshihiro; YOKOZAWA, Tsutomu
- 1C4-19** Optimization of Reaction Conditions for the Synthesis of Ladder-

Type Polyamide (Fac. Sci. and Technol., Seikei Univ.) KURAMOCHI, Jinya; TAKAISHI, Kazuto; YOKOYAMA, Akihiro

- 1C4-20** Asymmetric Transmission from Chiral Nano Silica Surface to Poly(alkylthiophene)s (Fac. Eng., Kanagawa Univ.) INOUE, Takuto; OHTA, Yoshihiro; ARAI, Yoshiaki

Thursday, March 27, PM

Chair: YOKOYAMA, Akihiro (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1C4-28, 1C4-29, 1C4-30, 1C4-31, 1C4-32, 1C4-33)

- 1C4-28** Synthesis of polythiophenes via Pd/C-Catalyzed Direct Arylation polycondensation (Dept. Appl. Chem., Nat. Def. Acad.) KOJIMA, Yoshihisa; HAYASHI, Shotaro; KOIZUMI, Toshio
- 1C4-29** Synthesis of Aromatic Poly(thioether) by Oxidative Polymerization and Its Mechanism. (Sch. Advanced Sci. Eng., Waseda Univ.) TANI, Shota; NAGAMATSU, Kentaro; KIYOKAWA, Daichi; OYAIZU, Kenichi; NISHIDE, Hiroyuki
- 1C4-30** Synthesis of Poly(thio-2,6-dimethyl-1,4-phenylene) by Oxidative Polymerization and Their Properties. (Sch. Advanced Sci. Eng., Waseda Univ.) SHINOMIYA, Keisuke; KIYOKAWA, Daichi; NAGAMATSU, Kentaro; OYAIZU, Kenichi; NISHIDE, Hiroyuki
- 1C4-31** Synthesis of novel thiophene-based copolymer (Sch. Env. Sci. Eng., KUT) NAKASHITA, Takuya; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi
- 1C4-32** Ru-Catalyzed Polycondensation of Phenylpyridine Derivatives and Aromatic Dihalides Through C-H Activation Process (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) YAMASHITA, Akira; INAGI, Shinsuke; TOMITA, Ikuyoshi
- 1C4-33** Synthesis of π -Conjugated Polymer Thin Films by Electropolymerization of Functional Thiophene Oligomers via Titanacycle Intermediates (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) KANETAKA, Hidenari; KAWAMATA, Shiori; INAGI, Shinsuke; TOMITA, Ikuyoshi

Chair: SUGA, Takeo (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1C4-35, 1C4-36, 1C4-38, 1C4-39)

- 1C4-35** Synthesis and Applications of π -Conjugated Chiral Polymers by Three-Component Coupling Polymerization (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) HIGASHI, Tomoya; INAGI, Shinsuke; TOMITA, Ikuyoshi
- 1C4-36**** Preparation of functional material surfaces using clickable orthogonal agent (Grad. Sch. Sci., Eng., Tokyo Tech) CHEAWCHAN, Sumitra; UCHIDA, Satoshi; KOYAMA, Yasuhiro; TAKATA, Toshikazu
- 1C4-38*** Synthesis of Highly Reactive Polymer Nitrile *N*-Oxide from *trans*- β -Nitrostyrene and its Application to Catalyst-free Click Reaction (Grad. Sch. Sci., Eng., Tokyo Tech) WANG, Chen-gang; KOYAMA, Yasuhiro; UCHIDA, Satoshi; TAKATA, Toshikazu
- 1C4-39*** Conformational Control of Poly(m-phenylene diethynylene) Foldamer having a Rotaxane Switch with Molecular Chirality in The Side Chain (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAZONO, Kazuko; SUZUKI, Sakiko; MATSUURA, Kazuki; TAKATA, Toshikazu

Chair: KAMIGAITO, Masami (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1C4-42, 1C4-46)

- 1C4-42** CSJ Award for Technical Development Development and Industrialization of Acrylic Polymer Containing Lactone-rings for Optical films (NIPPON SHOKUBAI CO.,LTD.) UEDA, Kenichi; NAKAGAWA, Koichi; ASANO, Hideo; ITO, Shoji; NAKANISHI, Hidetaka
- 1C4-46*** Arm-Cleavable Microgel Star Polymers: Direct Core Analysis and Functional Microgels (Grad. Sch. Eng., Kyoto Univ.) TERASHIMA, Takaya; SAWAMOTO, Mitsuo

Chair: TERASHIMA, Takaya (17 : 00~18 : 00)

* 16:50-17:00: interval for laptop PC connection.(1C4-49, 1C4-50, 1C4-51, 1C4-52, 1C4-53, 1C4-54)

- 1C4-49** Synthesis of structurally well-defined poly(N-vinylpyrrolidone)-gel from telechelic polymer prepared by TERP and radical coupling reaction (ICR, Kyoto Univ.) NAKAUCHI, Aki; NAKAMURA, Yasuyuki; TOSAKA, Masatoshi; YAMAGO, Shigeru
- 1C4-50** Synthesis of Poly(vinyl ether)-Grafted Poly(phenyl acetylene) via Grafting Through Method (KIT) HIGASHI, Kiriko; MOTOYANAGI, Jin; MINODA, Masahiko
- 1C4-51** Study on RAFT Copolymerization of Protecting Group-Free Vinyl Ethers and Electron-Deficient Monomers (KIT) OGURI, Ayaha; MOTOYANAGI, Jin; MINODA, Masahiko
- 1C4-52** Glycidyl-Based Block Copolymerization via Organo-catalyzed Controlled Radical Polymerization and their Functionalization (Sch. Advanced Sci. Eng., Waseda Univ.) MINAMIBAYASHI, Kenta; AOKI, Kouhei; SUGA, Takeo; NISHIDE, Hiroyuki
- 1C4-53** Vine-twinning polymerization using maltoooligosaccharide-functionalized poly(lactide) with branching structure (Grad. Sch. Sci., Eng., Kagoshima Univ.; KIT) SASAYAMA, Shota; YAMAMOTO, Kazuya; TANAKA, Tomonari; KIMURA, Yoshiharu; KADOKAWA, Jun-ichi
- 1C4-54** Investigation on synthesis of chain length regulated polyethylene

glycol on solid support (Fac. Chem. Materials and Bioeng., Kansai Univ.) INAMOTO, Tadashi; SHIZUMA, Motohiro; KAWANO, Shintaro; SATO, Hirofumi; ONO, Daisuke; KAWASAKI, Hideya; ARAKAWA, Ryuichi

Friday, March 28, AM

Chair: MORISAKI, Yasuhiro (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2C4-01, 2C4-02, 2C4-03, 2C4-05)

2C4-01 Synthesis of a helical polyacetylene bearing chiral [6]helicene pendants. (Grad. Sch. Eng., Nagoya Univ.) KUMANO, Daisuke; ANGER, Emmanuel; YAMAGUCHI, Tomoko; HAYASHI, Koutarou; IIDA, Hiroki; CRASSOUS, Jeanne; YASHIMA, Eiji

2C4-02 Synthesis and properties of macromolecular [2]rotaxanes composed of copolymers as an axle component (Grad. Sch. Sci., Eng., Tokyo Tech) STEPHANIE, Valentina; OGAWA, Takahiro; NAKAZONO, Kazuko; UCHIDA, Satoshi; TAKATA, Toshikazu

2C4-03* Synthesis and Topology Transformation of [1]Rotaxane-type Amphiphilic Block Copolymer (Grad. Sch. Sci., Eng., Tokyo Tech) OGAWA, Takahiro; NAKAZONO, Kazuko; UCHIDA, Satoshi; TAKATA, Toshikazu

2C4-05* Synthesis of photocleavable cyclic poly(lactides) and control of stereocomplexation by the topological transformation (Grad. Sch. Sci., Eng., Tokyo Tech) SUGAI, Naoto; ASAI, Shigeo; YAMAMOTO, Takuya; TEZUKA, Yasuyuki

Chair: YAMAMOTO, Takuya (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2C4-08, 2C4-10, 2C4-12)

2C4-08* Synthesis and thermal properties of macromolecular [2]rotaxanes with different degree of polymerization (Grad. Sch. Sci., Eng., Tokyo Tech) CHEN, Zhen; AOKI, Daisuke; UCHIDA, Satoshi; TAKATA, Toshikazu

2C4-10* Development of topology transformation systems using macromolecular [2]rotaxanes (Grad. Sch. Sci., Eng., Tokyo Tech) AOKI, Daisuke; UCHIDA, Satoshi; TAKATA, Toshikazu

2C4-12* Synthesis of hexabenzocoronene-layered polymer based on a xanthene skeleton (Grad. Sch. Eng., Kyoto Univ.) NAKANO, Tatsuya; MORISAKI, Yasuhiro; CHUJO, Yoshiki

Chair: HIGUCHI, Masayoshi (11 : 20 ~ 12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2C4-15, 2C4-16, 2C4-17, 2C4-18, 2C4-19, 2C4-20)

2C4-15 Synthesis of perylene diimide-appended cyclic poly(acrylic acid ester) for the investigation of the topology effects on self-assembly. (Grad. Sch. Sci., Eng., Tokyo Tech) KIMURA, Akihiro; YAMAMOTO, Takuya; TEZUKA, Yasuyuki

2C4-16 Synthesis of zinc tetrakisporphyrin-based supramolecular polymer (Grad. Sch. Sci., Hiroshima Univ.) NADAMOTO, Kouhei; OI, Yoshinori; IKEDA, Toshiaki; HAINO, Takeharu

2C4-17 Synthesis of Supramolecular Graft Copolymer based on Guest Encapsulation by Coordination Capsule (Grad. Sch. Sci., Hiroshima Univ.) TSUNODA, Yuta; SEKIYA, Ryo; HAINO, Takeharu

2C4-18 Synthesis and Properties of Conjugated Polymers Having Perfluoroarylene Moiety in the Main Chain (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) ISHIIHARA, Takuya; SHIDA, Naoki; TOMITA, Ikuyoshi; INAGI, Shinsuke

2C4-19 Synthesis of Near-Infrared Absorptive Conjugated Polymers Based on Thiophene-Fused BODIPYs (Grad. Sch. Eng., Kyoto Univ.) YAMANE, Honami; YOSHII, Ryouyusuke; TANAKA, Kazuo; CHUJO, Yoshiki

2C4-20 Synthesis and Optical Properties of Conjugated Polymers Containing Tetracoordinate Gallium in the Main-Chain (Grad. Sch. Eng., Kyoto Univ.) ONISHI, Yoshinobu; MATSUMOTO, Takuya; TANAKA, Kazuo; CHUJO, Yoshiki

Friday, March 28, PM

Chair: HAINO, Takeharu (13 : 30 ~ 14 : 40)

* 13:20-13:30: interval for laptop PC connection.(2C4-28, 2C4-31, 2C4-33)

2C4-28 Young Scholar Lectures of CSJ Post-Functionalization of Conjugated Polymers Triggered by Electron-Transfer on Electrode (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) INAGI, Shinsuke

2C4-31* Synthesis of organic-multimetallic hybrid polymers (NIMS Electronic Functional Materials Group) SATO, Takashi; HIGUCHI, Masayoshi

2C4-33* Preparation of exotic polymer gel by utilizing crystal structure of Metal-Organic Framework (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Hokkaido Univ. Faculty of Science; University of Strasbourg) ISHIWATA, Takumi; KOKADO, Kenta; FERLAY-CHARITAT, Sylvie; HOSSEINI, Mir wais; SADA, Kazuki

Saturday, March 29, AM

Chair: MATSUMOTO, Akikazu (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3C4-01, 3C4-02, 3C4-03, 3C4-04, 3C4-05)

3C4-01 Preparation of optical transparent films based on amphiphilic POSS-core dendrons (KIT) MIYAUCHI, Sakina; NAKA, Kensuke

3C4-02 Syntheses of bifunctional caged sisesquioxanes (KIT) MAEGAWA, Takayuki; NAKA, Kensuke

3C4-03 Synthesis of Functional Polymer Particles by Living Coordination Seed Dispersion Copolymerization of Allene Derivatives. (IRI., Tokyo Tech) SEKIYA, Tomoko; OMURA, Takahiro; OGUCHI, Yoshiyuki; YAMAUCHI, Hiroshi; INAGI, Shinsuke; TOMITA, Ikuyoshi

3C4-04 Synthesis and Evaluation of Polymer Particles Having Unique Surface Based on Living Coordination Dispersion Copolymerization of Fluoroalkyl-substituted Allenes. (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) OKUMURA, Harumi; OMURA, Takahiro; OGUCHI, Yoshiyuki; YAMAUCHI, Hiroshi; INAGI, Shinsuke; TOMITA, Ikuyoshi

3C4-05* Development of Precision Catalysts Supported on Polymer Particles by Living Coordination Dispersion Polymerization of Allene Derivatives (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) YAMAUCHI, Akira; OMURA, Takahiro; OGUCHI, Yoshiyuki; YAMAUCHI, Hiroshi; INAGI, Shinsuke; TOMITA, Ikuyoshi

Chair: OTSUKA, Hideyuki (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3C4-08, 3C4-10, 3C4-12)

3C4-08* Cross-linking and Ozonolysis of Alternating Copolymers of 1,3-Diene Monomers and Maleic Anhydride (Grad. Sch. Eng., Osaka Pref. Univ.) TSUJII, Aska; OKAMURA, Haruyuki; MATSUMOTO, Akikazu

3C4-10* Synthesis of Functional π -Extended Conjugated Polymers Based on Photochemical Reaction of Poly(*p*-phenylene-vinylene) Precursors Prepared by Three-Component Polymerization (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) WAKANA, Sho; INAGI, Shinsuke; TOMITA, Ikuyoshi

3C4-12* Synthesis of Tellurium-Containing Polymers by Reactions of Fluorene-Containing Poly(arylene-ethynylene) Derivatives (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SUTO, Takeru; INAGI, Shinsuke; TOMITA, Ikuyoshi

Chair: NAKA, Kensuke (11 : 20 ~ 12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3C4-15, 3C4-17, 3C4-19)

3C4-15* Synthesis of π -Conjugated Polymers Containing Stibole Units in the Main Chain by Reaction of Organometallic Polymers Having Titanacyclopentadiene Units (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MATSUMURA, Yoshimasa; INAGI, Shinsuke; TOMITA, Ikuyoshi

3C4-17* Unusual Mechanical Properties and Self-healing Behavior of A Cross-linked polymer with Autonomously Exchangeable Dynamic Covalent Bonds (Grad. Sch. Eng., Kyushu Univ.; Grad. Sch. Sci., Eng., Tokyo Tech) IMATO, Keiichi; OHISHI, Tomoyuki; TAKAHARA, Atushi; OTSUKA, Hideyuki

3C4-19* Photo-induced Exchange Reactions of Polyurethanes Containing Aromatic Disulfides (Grad. Sch. Sci., Eng., Tokyo Tech) OHISHI, Tomoyuki; IKI, Yoko; TAKAHARA, Atushi; OTSUKA, Hideyuki

Saturday, March 29, PM

Chair: AJIRO, Hiroharu (13 : 30 ~ 14 : 30)

* 13:20-13:30: interval for laptop PC connection.(3C4-28, 3C4-29, 3C4-30, 3C4-32)

3C4-28 Study on decomposition reaction of epoxy resin hardened by amines (Toyama Nat. Coll. Technol. advance course) OKAMOTO, Toshihiro; KURODA, Hirofumi; SHIBATA, Katuji

3C4-29 Development of oxidatively degradable curing agent for epoxy resin (Grad. Sch. Fac. Sci., Kanagawa Univ.) OGURI, Takahiro; KIHARA, Nobuhiro

3C4-30* Dependences of temperature and gamma-ray irradiation on thermal emission spectral changes of polypropylene (BASE, Tokyo Univ. of Agri. and Technol.; Japan Applied Technology Inc.; Koga Isotope Ltd.) AYAKO, Yano; HIROSHI, Ishii; CHIKAHIRO, Satoh; NOBUYUKI, Akai; TAKAYUKI, Hironiwa; MUNETAKA, Nakata

3C4-32* Molecular Dynamics at Polymer Chain End (Fac. Eng., Gifu Univ.) MIWA, Yohei; UDAGAWA, Taro; URAKAWA, Osamu; NOBUKAWA, Shogo; KUTSUMIZU, Shoichi

Chair: IMAOKA, Takane (14 : 40 ~ 15 : 40)

* 14:30-14:40: interval for laptop PC connection.(3C4-35, 3C4-36, 3C4-37, 3C4-38, 3C4-39, 3C4-40)

3C4-35 Interfacial effects on crystallization and surface properties of PLLA nanosheet (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) UDAGAWA, Akihiro; FUJIE, Toshihiro; KAWAMOTO, Yuko; TAKEOKA, Shinji; ASAH, Toru

3C4-36 Stereocomplex formation of regio- and stereoregular polyether and polycarbonate (Grad. Sch. Eng., The Univ. of Tokyo) IMOTO, Hideyuki; NAKANO, Koji; NOZAKI, Kyoko

3C4-37 Surface structure control by copolymer of lactide and cyclic carbonate bearing methoxyethoxyl group (MEI Center, Osaka Univ.) AJIRO, Hiroharu; TAKAHASHI, Yoshikazu; FUJIWARA, Tomoko; AKASHI, Mitsuru

3C4-38 Evaluation of the Nafion structure at the Pt interface by p-MAIRS (Sch. Mat. Sci., JAIST) ONO, Yutaro; OHYAMA, Takahiro; NAGAO, Yuki

3C4-39 ELUCIDATING ADDITIVE EFFECT OF PRECISION POLYMERS IN MOLECULAR ALIGNMENT INDUCED BY DYNAMIC

PHOTOPOLYMERIZATION (Chem. Res. Lab., Tokyo Tech) NAKANO, Wataru; MAMIYA, Jun-ichi; KINOSHITA, Motoi; SHISHIDO, Atsushi

3C4-40 Formation of Cylindrical Microphase-Separated Structures from ABC Triblock Terpolymers. (Grad. Sch. Eng., Nagoya Univ.) ASAI, Yusuke; TAKANO, Atsushi; MATSUSHITA, Yushu

Chair: KUTSUMIZU, Shoichi (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(3C4-42, 3C4-44, 3C4-46)

3C4-42* Synthesis and Physical Properties of Tadpole-shaped Polymers with High Purity (Grad. Sch. Eng., Nagoya Univ.) DOI, Yuya; TAKANO, Atsushi; MATSUSHITA, Yushu

3C4-44* Structural isomer effects on the morphology of block copolymer/metal salt hybrids (Grad. Sch. Eng., Nagoya Univ.) SAGESHIMA, Yoshio; NORO, Atsushi; MATSUSHITA, Yushu

3C4-46** "Non-swellaable" hydrogels without mechanical hysteresis (Grad. Sch. Eng., The Univ. of Tokyo) KAMATA, Hiroyuki; CHUNG, Ung-il; SAKAI, Takamasa

Chair: TAKANO, Atsushi (17 : 00~18 : 10)

* 16:50-17:00: interval for laptop PC connection.(3C4-49, 3C4-51, 3C4-52, 3C4-53, 3C4-54, 3C4-55)

3C4-49* Controlling the Spontaneously Expressed Potential Gradient of Phenylazomethine Dendrimer (Chem. Res. Lab., Tokyo Tech) ALBRECHT, Ken; YAMAMOTO, Kimihisa

3C4-51 Development of a dendrimer with a donor-acceptor dyad as a repeating unit (Chem. Res. Lab., Tokyo Tech) HIGA, Takuya; ARUBUREHITO, Ken; YAMAMOTO, Kimihisa

3C4-52 Construction of polymer / uniform dispersion of organo-modified diamond nanocomposite (Grad. Sch. Sci., Eng., Saitama Univ.) SOUTOME, Youichi; KANEHIRA, Takuma; HONDA, Nanami; AKASAKA, Shuichi; FUJIMORI, Atsuhiko

3C4-53 Evaluation for Properties of Block Copolymers Composed of Porphyrin Metacrylates and N-Isopropylacrylamide(NIPAM) in Organic and/or Aqueous Solutions (Fac. Sys. Eng., Wakayama Univ.) TSUCHIYA, Mizuki; NAKA, Takuya; OSUGA, Hideji; KIMURA, Keiichi; SAKAMOTO, Hidehumi

3C4-54 A New Mechanism for Ionic Aggregates of Polyolefin Ionomer (Coll. Sci. Tech., Nihon Univ.) SASAKI, Daisuke; YAMASHITA, Hiroshi; WATANABE, Honami; HOSHI, Toru; HAGIWARA, Toshiki; SAWAGUCHI, Takashi

3C4-55 Dispersion of miniaturization of lacquer sap and characterization of lacquer coating film (Department of Sci. Tech., Meiji Univ.) WATANABE, Daichi; MIYAKOSHI, Tetsuo

Room C5

School of Engineering - Bldg. 1 143

Colloid and Interface Chemistry

Thursday, March 27, AM

Chair: KOBAYASHI, Katsutoshi (9 : 20 ~10 : 00)

* 9:10-9:20: interval for laptop PC connection.(1C5-03, 1C5-04, 1C5-05, 1C5-06)

1C5-03 Mechanism of long-range repulsion between polystyrene particles adsorbed at an oil-water interface (Grad. Sch. Eng., Kyoto Univ.) SUGIMAN, Nao; NISHI, Naoya; FUKAMI, Kazuhiro; SAKKA, Tetsuo

1C5-04 Light-Emitting Complex Colloids for OLED and Emission Mechanism (RIKEN Organic Optoelectronics Lab.) OKAMOTO, Shota; MATSUTAKA, Hiroshi; AOYAMA, Tetsuya; CHIHARA, Teiji; TAJIMA, Yusuke

1C5-05 Phase Transition of Nanoparticles of Diketopyrrolopyrrole Derivatives (Grad. Sch. Sci. Eng., Yamaguchi Univ.) KAKUICHI, Masaki; KASATANI, Kazuo; MORITA, Yuki

1C5-06 Water dispersion of water-insoluble isoflavones for cell assay (Grad. Sch. Sci., Eng., Ehime Univ.) KAMASOKU, Shogo; NGUYEN THI YEN, Minh; YOSHIOKA, Yuki; TAMURA, Minoru; ASAHI, Tsuyoshi

Chair: FUJIHARA, Hisashi (10 : 10~10 : 50)

* 10:00-10:10: interval for laptop PC connection.(1C5-08, 1C5-09, 1C5-10, 1C5-11)

1C5-08 A controlling factor of C60 nanocrystal size in reprecipitation (Fac. Eng., Yamagata Univ.) SHITO, Keiji; ITO, Naoko; MASUHARA, Akito

1C5-09 Fabrication of the hollow polystyrene nanoparticles by ultraviolet irradiation (Fac. Eng., Tokyo Univ. of Sci.) HAYAKAWA, Shusaku; ITO, Naoyuki; ENDO, Hiroshi; KAWAI, Takeshi

1C5-10 Synthesis and characterization of amphiphilic porphyrin-based nanoparticles (Grad. Sch. Eng., Kobe Univ.) MORIISHI, Masako; SUNAYAMA, Hirobumi; KITAYAMA, Yukiya; OOOYA, Tooru; TAKEUCHI, Toshifumi

1C5-11 Analysis of Adsorption Behavior of Beryllium(II) on Various Metal-

Oxide Nanoparticles in Water (Grad. Sch. Sci., Chiba Univ.) KANAYA, Naoki; BESSHO, Kotaro; KATSUTA, Shoichi; MONJUSHIRO, Hideaki

Chair: SAKKA, Tetsuo (11 : 00~12 : 00)

* 10:50-11:00: interval for laptop PC connection.(1C5-13, 1C5-14, 1C5-15, 1C5-16, 1C5-17, 1C5-18)

1C5-13 Preparation of Ceria Nanocrystals and Their Composite Materials (EcoTopia Sci. Inst., Nagoya Univ.) KOBAYASHI, Katsutoshi; KATO, Kiyotaka; FUJIMOTO, Kei; HANEDA, Masaaki; OZAWA, Masakuni

1C5-14 Synthesis of Chiral Organic Molecule-modified Copper Nanoclusters and Their Hybrid Nanotubes (Kinki Univ.) IMANAKA, Yu; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1C5-15 Synthesis and Properties of Chiral Magnetic Nanoparticle-Polythiophene Hybrid Nanotubes (Fac. Sci. Eng., Kinki Univ.) IMAMURA, Kouki; NAKAHODO, Tsukasa; FUJIHARA, Hisashi

1C5-16 Fabrication of network structure of Cu-Pd alloy nanowires by using long-chain amide amine derivative (Fac. Eng., Tokyo Univ. of Sci.) IKEDA, Hidekuni; ENDO, Hiroshi; KAWAI, Takeshi

1C5-17 Fabrication of Pd-Ni alloy nanorings using a molecular assembly soft-template of a long-chain amidoamine derivative (Fac. Eng., Tokyo Univ. of Sci.) SHOJI, Atsushi; WATANABE, Sayaka; ENDO, Hiroshi; KAWAI, Takeshi

1C5-18 Morphology Control of Liquid Metal Nanoparticles (Grad. Sch. Chi. Sci. and Eng., Hokkaido Univ.) SUDO, Shinya; OKA, Chihiro; KOKADO, Kenta; SADA, Kazuki

Thursday, March 27, PM

Chair: NAGASAKI, Yukio (13 : 10~14 : 10)

* 13:00-13:10: interval for laptop PC connection.(1C5-26, 1C5-28, 1C5-30)

1C5-26* Control of a particulate layer structure on liquid marble from mono-dispersed polysiloxane particles (ERATO, JST) OGAWA, Shigesaburo; WATANABE, Hirohmi; NISHIDA, Jin; JINNAI, Hiroshi; TAKAHARA, Atsushi

1C5-28* Synthesis of Monodispersed Pseudo-PMMA Fine Particles Controlled in Size and Shape with ATRP (IMRAM, Tohoku Univ.; Toyota Central R&D Labs., Inc. Materials and Processing Div.; Toyota Central R&D Labs., Inc. General Planning Office) YABUKI, Jun; KANIE, Kiyoshi; HAYASHIDA, Kenichi; WATANABE, Osamu; MURAMATSU, Atsushi

1C5-30* Synthesis of Cholesterol Modified Drugs and Fabrication of its Nanoparticles by the Reprecipitation Method (IMRAM, Tohoku Univ.) KOSEKI, Yoshitaka; IKUTA, Yoshikazu; MURAKAMI, Tatsuya; ONODERA, Tsunenobu; OIKAWA, Hidetoshi; KASAI, Hitoshi

Chair: KANIE, Kiyoshi (14 : 20~15 : 20)

* 14:10-14:20: interval for laptop PC connection.(1C5-33, 1C5-35, 1C5-37)

1C5-33* Electrochemical shape changes of silver shells on gold nanorods (Grad. Sch. Eng., Kyushu Univ.) HAMASAKI, Yuki; NAKASHIMA, Naotoshi; NIIDOME, Yasuro

1C5-35* Amorphous Pd-P Seed-mediated Synthesis of Highly Monodisperse Pd-based Alloy Nanoparticles (ICR, Kyoto Univ.) SATO, Ryota; TERANISHI, Toshiharu

1C5-37* Local structural analysis of thiolate-protected bimetallic clusters Au₂₅...M_x(SR)₁₈ (M = Pd, Ag, Cu) by XAFS (Grad. Sch. Sci., The Univ. of Tokyo) YAMAZOE, Seiji; KURASHIGE, Wataru; NOBUSADA, Katsuyuki; NEGISHI, Yuichi; TSUKUDA, Tatsuya

Chair: TAKAHASHI, Yukina (15 : 30~16 : 30)

* 15:20-15:30: interval for laptop PC connection.(1C5-40, 1C5-42, 1C5-44)

1C5-40** Shape Dependent Crystal Structural Control of Semiconductor Nanocages (ICR, Kyoto Univ.) WU, Hsin-lun; SATO, Ryota; TERANISHI, Toshiharu

1C5-42* Preparation of air-stable metallic iron nanoparticles with iron oxide shell and their magnetic properties (IMRAM, Tohoku Univ.) NAKAYA, Masafumi; NISHIDA, Ryo; MURAMATSU, Atsushi

1C5-44* Room-Temperature Ferromagnetic Nanoparticle for Bioapplication (Fac. Sci. Tech., Keio Univ.) YAMAMOTO, Takashi; HOSOMI, Tomoko; AOKI, Hiroshi; NAGASAKI, Yukio; EINAGA, Yasuaki

Chair: TERANISHI, Toshiharu (16 : 40~17 : 40)

* 16:30-16:40: interval for laptop PC connection.(1C5-47, 1C5-49, 1C5-51)

1C5-47* Preparation, Characterization and Application of Gold and Platinum Colloids Stabilized by Chiral Molecules (CRC, Hokkaido Univ.; Grad. Sch. Env. Sci., Hokkaido Univ.) TAKASE, Mai; KIMURA, Shunsuke; OHTANI, Bunsho

1C5-49* Synthesis of Staggered-Type Bi-icosahedral Au₂₅ Clusters (Grad. Sch. Sci., The Univ. of Tokyo) NISHIGAKI, Junichi; YAMAZOE, Seiji; KOHARA, Shinji; FUJIWARA, Akihiko; KURASHIGE, Wataru; NEGISHI, Yuichi; TSUKUDA, Tatsuya

1C5-51* In situ observation of dealloying of AuAg alloy nanoparticle (WPI-AIMR, Tohoku Univ.) ITO, Yoshikazu; LIU, Pan; HIRATA, Akihiko; FUJITA, Takeshi; CHEN, Mingwei

Chair: YASUDA, Satoshi (17 : 50~18 : 30)

* 17:40-17:50: interval for laptop PC connection.(1C5-54, 1C5-55, 1C5-56)

- 1C5-54** Synthesis and chiroptical analysis of Ag triangular nanoplates substituted with chiral thiol molecules (Grad. Sch. Sci. Eng., Chuo Univ.) KINOSHITA, Naoya; ITO, Taihei; NISHIDA, Naoki; TANAKA, Hideki
- 1C5-55** Size dependent observation for interaction of gas-born Ag nanoparticles with DNA dispersion (Grad. Sch. Sci. Eng., Chuo Univ.) SHIBATA, Mina; NISHIDA, Naoki; TANAKA, Hideki
- 1C5-56*** Photo-Induced Charge Separation in CdS/CdTe Heterostructured Nanopencils (ICR, Kyoto Univ.) SAKAMOTO, Masanori; TERANISHI, Toshiharu; OKANO, Makoto; KANEMITU, Yoshihiko

Friday, March 28, AM

Chair: MAEDA, Mizuo (9:00~9:40)

- * 8:50-9:00: interval for laptop PC connection.(2C5-01, 2C5-03, 2C5-04)
- 2C5-01*** Optical Properties of Subnanometer-Sized Gold Clusters with Non-Spherical Cores (Grad. Sch. Env. Sci., Hokkaido Univ.) SHICHIBU, Yukatsu; KAMEI, Yutaro; ZHANG, Mingzhe; KONISHI, Katsuaki
- 2C5-03** Assembling and Photochromic Behavior of Sub-Nanometer Sized Gold Clusters in Aqueous Media (Grad. Sch. Env. Sci., Hokkaido Univ.) ZHANG, Mingzhe; KAMEI, Yutaro; SHICHIBU, Yukatsu; KONISHI, Katsuaki
- 2C5-04*** Synthesis of selenolate protected bimetallic clusters (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) SHARMA, Sachil; KURASHIGE, Wataru; EGURO, Makoto; KANEHIRA, Keita; MATUZAKI, Miku; NEGISHI, Yuichi

Chair: KOBAYASHI, Hirokazu (9:50~10:50)

- * 9:40-9:50: interval for laptop PC connection.(2C5-06, 2C5-08, 2C5-10)
- 2C5-06**** Preparation of Phase Separated Polymer Particles as Pollen Biomimetics (CIST Bio- and Material Photonics) KARTHAUS, Olaf; POLZIN, Phillip
- 2C5-08**** Double-Stranded DNA-Functionalized Gold Nanoparticle Oligomers with a Beads-on-a-String-Like Structure: Interparticle Distance Changes Induced by Terminal Base-Pairing (RIKEN) AKIYAMA, Yoshitsugu; SHIKAGAWA, Hiroto; KANAYAMA, Naoki; FUJITA, Masahiro; TAKARADA, Tohru; MAEDA, Mizuo
- 2C5-10**** Plasmonic Properties of Non-stoichiometric Copper Sulfide Nanodisks (Grad. Sch. Sci., Kyoto Univ.) CHEN, Lihui; YOSHINAGA, Taizo; SAKAMOTO, Masanori; TERANISHI, Toshiharu

Chair: KARTHAUS, Olaf (11:00~12:00)

- * 10:50-11:00: interval for laptop PC connection.(2C5-13, 2C5-15, 2C5-17)
- 2C5-13**** Significantly Enhanced Hydrogen-storage Capacity and Speed in Pd Nanocrystals Covered with a Metal-organic Framework (Grad. Sch. Sci., Kyoto Univ.) LI, Guangqin; KOBAYASHI, Hirokazu; KITAGAWA, Hiroshi; KUBOTA, Yoshiki; YAMAMOTO, Tomokazu; MATSUMURA, Syo
- 2C5-15**** Water-dispersible submicrometer particles made of hydrophobic organic compounds and their size control by solvent-induced Ostwald ripening (Grad. Sch. Sci., The Univ. of Tokyo) LIU, Chao; HARANO, Koji; NAKAMURA, Eiichi
- 2C5-17**** Dispersion mechanism of calcium phosphate by acrylic acid-based polymers (Kurita Water Industries Research and Development Division; Fac. Sci. Tech., Keio Univ.) WATANABE, Kazuya; NISHIDA, Ikuko; MORITA, Akira; KAMIYAMA, Sachiko; IMAI, Hiroaki

Asian International Symposium -Colloid and Surface Chemistry-

Friday, March 28, PM

Chair: Deguchi, Shigeru (13:10~14:00)

- 2C5-26*** Keynote Lecture Self-Assembled Fullerene Nanostructures: From Zero to Higher Dimensions (NIMS) Shrestha, Lok Kumar (13:10~13:40)
- 2C5-29*** Invited Lecture Nanohybrid materials formed with hydrophobized inorganic nanoparticles for practical applications (Hiroshima University) Katagiri, Kiyofumi (13:40~14:00)

Chair: Haga, masa-aki (14:00~15:00)

- 2C5-31*** Invited Lecture In vivo Electrochemical Biosensors Based on Coordination Polymers (Chinese Academy of Sciences) Yang, Lifan (14:00~14:20)
- 2C5-33*** Invited Lecture Patterning on a 2D crystal sheet composed of silver nanoparticles using AFM local oxidation nanolithography (Kyushu University) Wang, Pangpang; Okamoto, Koichi; Tamada, Kaoru (14:20~14:40)
- 2C5-35*** Invited Lecture Advanced non-fluorinated coating materials with anti-fingerprint property on solid surfaces (National Taiwan University of Science and Technology) Siriviriyannun, Ampornphan (14:40~15:00)

Chair: Akitaya, Tatsuo (15:10~15:50)

- 2C5-38*** Invited Lecture DNA-assisted templating of inorganic nanomaterials (Nagoya University) Zinchenko, Anatoly (15:10~15:30)
- 2C5-40*** Invited Lecture Tailor-made lipid membrane engineering: Soft

nanotubes formation controlled by external field (Kyoto University) Sasaki, Yoshihiro (15:30~15:50)

Chair: Kaneko, Yukihiko (15:50~16:30)

- 2C5-42*** Invited Lecture Friction properties of polymer hydrogels studied by the resonance shear measurement (Tohoku University) Ren, Huai-Yin (15:50~16:10)
- 2C5-44*** Invited Lecture Condensed film formation of cationic surfactant at the air-water and oil-water interfaces and its application to foam and emulsion stability (Kyushu University) Matsubara, Hiroki; Ohtomi, Eisuke; Tokiwa, Yuhei; Takiue, Takanori; Aratono, Makoto (16:10~16:30)

Chair: Kanoh, Hirofumi (16:30~17:30)

- 2C5-46*** Invited Lecture Functional Nanomaterials Derived from Layered Transition Metal Hydroxides (NIMS) Ma, Renzhi (16:30~16:50)
- 2C5-48*** Invited Lecture Characterization of Alkyl-Side-Chain Polymer Film and its Use for Release Coatings (LION CORP.) Kabashima, Shin-ichiro (16:50~17:10)
- 2C5-50*** Invited Lecture Hybrid White Light Emitting Diode Based on Silicon Nanocrystals (NIMS) Ghosh, Batu (17:10~17:30)

Colloid and Interface Chemistry

Saturday, March 29, AM

Chair: AKAMATSU, Kensuke (9:00~9:40)

- * 8:50-9:00: interval for laptop PC connection.(3C5-01, 3C5-03)
- 3C5-01*** Study of supersaturated dissolution and Ostwald ripening of additive-free nano-sized poorly water-soluble drugs (IMRAM, Tohoku Univ.; Suntory Global Innovation Center Co. Ltd.) ARITA, Toshihiko; KISHIGAMI, Mizue; NAKAHARA, Koichi
- 3C5-03*** One-pot fabrication of mercury ion-responsive gold nanoparticles using gold-binding peptide (NSED, JAEA) SHIMOJO, Kojiro; NAKAI, Ayaka; OHASHI, Akira; NAGANAWA, Hirochika

Chair: NIIKURA, Kenichi (9:50~10:50)

- * 9:40-9:50: interval for laptop PC connection.(3C5-06, 3C5-07, 3C5-08, 3C5-09, 3C5-11)
- 3C5-06** Synthesis of precise gold subnanocluster in a dendrimer nano reactor (Chem. Res. Lab., Tokyo Tech) FUSHIMI, Mayu; IMAOKA, Takane; YAMAMOTO, Kimihisa
- 3C5-07** Synthesis of Vanadium(V) Oxide nanoparticle by using Phenylazomethine Dendrimer as a nanoreactor (Chem. Res. Lab., Tokyo Tech) GOSEKI, Takahiro; ALBRECHT, Ken; NARUKE, Haruo; YAMAMOTO, Kimihisa
- 3C5-08** Encapsulation of Fluorescent Organic Molecules to Calcium Carbonate using Vaterite (UBIQEN, AIST; Org. Adv. Sci. Technol., Kobe Univ.; NIAH, NARO) FUJIWARA, Masahiro; SHIOKAWA, Kumi; KUBOTA, Takayuki; MORIGAKI, Kenichi
- 3C5-09*** Prominent photoluminescence of the size-controlled metaloxide subnanoparticles prepared by the dendrimer reactors inside mesoporous silica materials. (Chem. Res. Lab., Tokyo Tech) HIRANO, Isao; IMAOKA, Takane; YAMAMOTO, Kimihisa
- 3C5-11** Synthesis of Metal Nanoparticle Hybrid Materials Using Metal-Organic Framework (Grad. Sch. Sci., Kyoto Univ.; JST CREST; Grad. Sch. Sci., Osaka Pref. Univ.; Grad. Sch. Eng., Kyushu Univ.) MUKOYOSHI, Megumi; KOBAYASHI, Hirokazu; KUBOTA, Yoshiki; YAMAMOTO, Tomokazu; MATSUMURA, Sho; KITAGAWA, Hiroshi

Chair: YAMAMOTO, Kimihisa (11:00~12:00)

- * 10:50-11:00: interval for laptop PC connection.(3C5-13, 3C5-14, 3C5-15, 3C5-16, 3C5-17, 3C5-18)
- 3C5-13** Syntheses of Cu₂ZnSnS₄ and Cu₂ZnSn(S_{1-x}Se_x)₄ semiconductor nanoparticles and their properties (The Univ. of Shiga Pref.) KITAGISHI, Keisuke; IWAMOTO, Takashi; CUYA, Jhon; AKIYAMA, Tsuyoshi; MIYAMURA, Hiroshi; BALACHANDRAN, Jayadevan
- 3C5-14** Introduction of luminescent semiconductor nanoparticles into ionic liquids for an application to light-emitting devices (Grad. Sch. Eng., Nagoya Univ.) HATTORI, Yuuki; SUZUKI, Shushi
- 3C5-15** Observation and Assignment of Infrared Absorption Band of Ultrathin Au Nanowires (Grad. Sch. Sci., The Univ. of Tokyo) TAKAHATA, Ryo; YAMAZOE, Seiji; KOYASU, Kiichirou; TSUKUDA, Tatsuya
- 3C5-16** Synthesis and characterization of quantum-sized Au cluster with an fcc structured core (Grad. Sch. Sci., The Univ. of Tokyo) TAKANO, Shinjiro; YAMAZOE, Seiji; KOYASU, Kiichirou; TSUKUDA, Tatsuya
- 3C5-17** Synthesis of Metal Nanoparticle/Metal-Organic Framework Core-Shell Nanostructures by Microwave-assisted Approach (FIRST, Konan Univ.) OHHASHI, Takashi; TSURUOKA, Takaaki; NAWAFUNE, Hidemi; AKAMATSU, Kensuke
- 3C5-18** Preparation of immobilized pH-Responsive Au nanoparticles/polymer nanocomposite on substrate and investigation of optical property (FIRST, Konan Univ.) KAWAKAMI, Takaya; MANO, Miduki; TSURUOKA, Takaaki; FUJII, Shuji; FUJII, Minoru; NAWAFUNE, Hidemi;

AKAMATSU, Kensuke

Saturday, March 29, PM

Chair: KAWAI, Takeshi (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(3C5-34, 3C5-35, 3C5-36, 3C5-37, 3C5-38, 3C5-39)
- 3C5-34** Reversible Aggregation Control of Gold Nanoparticles by Photoisomerization of Spiropyran Derivative (RCSE, Osaka Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) SHIRAKAWA, Eri; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki
- 3C5-35** Effect of Particle Size on Spectroscopic Properties of Silver Nanodisks Covered with J-Aggregate of Cyanine Dye (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OOKI, Yuuki; SATO, Tomoo
- 3C5-36** Structural and electrical characterization of solid-state gold cluster films (IIS, The Univ. of Tokyo) NAKAMURA, Eiji; KOGO, Atsushi; SAKAI, Nobuyuki; TATSUMA, Tetsu
- 3C5-37** Highly Facile Synthesis of Silver Nanoshell Showing Near-infrared Extinction (Fac. Sys. Eng., Wakayama Univ.) YOKOMINE, Shoichi; KADO, Shinpei; KIMURA, Keiichi
- 3C5-38** Colorimetric Sensing of L-Cysteine Using Silver Nanoparticle Formation Regulated by Sulfur-Containing Compound (Fac. Sys. Eng., Wakayama Univ.) SOTA, Kenzo; KADO, Shinpei; KIMURA, Keiichi
- 3C5-39** Facile Colorimetric Sensing of Halide Ions Based on Silver Nanoparticle Formation (Fac. Sys. Eng., Wakayama Univ.) YOKOMINE, Shoichi; KADO, Shinpei; TAMAI, Toshiyuki; KIMURA, Keiichi

Chair: SHIRAIISHI, Yasuhiro (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(3C5-41, 3C5-42, 3C5-43, 3C5-44, 3C5-45, 3C5-46)
- 3C5-41** Rapid Synthesis of CoO and NiO Nanoparticles by Microwave Heating (Fac. Human Life Env., Nara Women's Univ.) KOGAI, Mayuu; HARADA, Masafumi; SATO, Ryota; TERANISHI, Toshiharu
- 3C5-42** Synthesis of SiO₂@TiO₂ Core-Shell Nanoparticles with Solvent Dispersibility and Their Photochemical Properties (Fac. Sys. Eng., Wakayama Univ.) HAYASHIZAKI, Masahiro; NAKAHARA, Yoshio; OZAKI, Nobuhiko; TAMAI, Toshiyuki; KIMURA, Keiichi
- 3C5-43** Synthesis of Gold Nanoparticles Protected by Novel Bulky Porphyrin Ligand (Grad. Sch. Sci., Kyoto Univ.; ICR, Kyoto Univ.) YAMAOKA, Satoshi; SAKAMOTO, Masanori; TERANISHI, Toshiharu
- 3C5-44** Block copolymer-mediated synthesis of silver nanoparticles in aqueous media (Fac. Eng., Shinshu Univ.) ISHIHARA, Akihiro; SAKAI, Toshio
- 3C5-45** Synthesis of silver nanoparticles by vacuum evaporation in running sorbitan fatty acid ester solution and their particle-size control (Fac. Sys. Eng., Wakayama Univ.) IENAGA, Takashi; NAKAHARA, Yoshio; KIMURA, Keiichi
- 3C5-46** Pulsed-laser-induced morphological changes of noble metal nanoparticles in aqueous solution under high pressure (The Univ. of Tokushima) STRASSER, Michael; HASHIMOTO, Shuichi; HORIUCHI, Kana

Chair: KADO, Shinpei (16 : 50~17 : 50)

- * 16:40-16:50: interval for laptop PC connection.(3C5-48, 3C5-49, 3C5-50, 3C5-51, 3C5-52, 3C5-53)
- 3C5-48** Preparation of Au-Pd Binary Nanoparticles by Sequential Metal Sputter Deposition into Ionic Liquids and Their Application to Electro-catalysts (Grad. Sch. Eng., Nagoya Univ.) SUMI, Maori; KAMEYAMA, Tatsuya; KUWABATA, Susumu; TORIMOTO, Tsukasa
- 3C5-49** Fuel Cells Cathode Catalyst with Platinum Subnano Cluster (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SUZUKI, Daisuke; IKAOKA, Takane; YAMAMOTO, Kimihisa
- 3C5-50** Regenerative synthesis of copper nanoparticles formed on titanium oxide nanoparticles and their catalytic activity (Fac. Sci. Eng., Chuo Univ.) NISHIDA, Naoki; TANAKA, Hideki
- 3C5-51** Synthesis and oxygen reduction reaction activity of Pt nanoplate (Fac. Eng., Shizuoka Univ.) MIYABAYASHI, Keiko; TSUKIGAWARA, Ryou; SHINBA, Ikki; MIYAKE, Mikio
- 3C5-52** The Phase Behavior and Ionic Conductivity of Silver Iodide Nanoparticles (Grad. Sch. Sci., Kyoto Univ.; JST CREST; Grad. Sch. Sci., Osaka Pref. Univ.; Grad. Sch. Sci., Tohoku Univ.) YAMAMOTO, Takayuki; KOBAYASHI, Hirokazu; KUBOTA, Yoshiki; MATSUI, Hiroshi; KITAGAWA, Hiroshi
- 3C5-53** Structural Analysis of Polyvinylpyrrolidone-Stabilized Gold Clusters by MALDI Mass Spectrometry (Grad. Sch. Sci., The Univ. of Tokyo) ARII, Setsuka; MURAMATSU, Satoru; NISHIGAKI, Junichi; YAMAZOE, Seiji; KOYASU, Kiichiro; TSUKUDA, Tatsuya

Chair: YAMAZOE, Seiji (18 : 00~18 : 30)

- * 17:50-18:00: interval for laptop PC connection.(3C5-55, 3C5-56, 3C5-57)
- 3C5-55** Fabrication and analysis of self-assembled superlattice structures of metal nanoparticles using a long-chain amide amine derivative (Fac. Eng., Tokyo Univ. of Sci.) NAKAYASHIKI, Kazuki; HANDA, Shinya; ENDO, Hiroshi; KAWAI, Takeshi
- 3C5-56** Preparation of Self-assembled Gold Nanoparticle Monoparticle Layer on Ionic Liquid Surface via Sputter Deposition Technique (Grad. Sch. Eng., Nagoya Univ.) SUGIOKA, Daisuke; KAMEYAMA, Tatsuya;

KUWABATA, Susumu; TORIMOTO, Tsukasa

- 3C5-57** Development of Drug Delivery Carrier based on Au-Fe₃O₄ Hybrid Nanoparticles (Sch. Sci., Hokkaido Univ.; RIES, Hokkaido Univ.) TAZAKI, Taiyu; NIKKRA, Kenichi; KOBAYASHI, Kenya; MITOMO, Hideyuki; OSADA, Yoshihito; ITO, Yoshihiro; IJIRO, Kuniharu

Room C6

School of Engineering - Bldg. 1 144

Colloid and Interface Chemistry

Thursday, March 27, AM

Chair: YOSHIZAWA, Michito (9 : 00 ~ 9 : 40)

- * 8:50-9:00: interval for laptop PC connection.(1C6-01, 1C6-02, 1C6-03, 1C6-04)
- 1C6-01** Creation of novel supramolecular structures in programmable micro-space (Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.) KOZAWA, Tomohiro; HIROSE, Naoya; NUMATA, Munenori
- 1C6-02** Kinetically controllable supramolecular polymerization through synchronized activation of monomers (Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.) SAKAI, Ryouichirou; NUMATA, Munenori
- 1C6-03** Creation of metastable supramolecular polymers controlled under microflow conditions (Fac. Life Env. Sci., Kyoto Pref. Univ.) NOGAMI, Rie; NUMATA, Munenori
- 1C6-04** Liquid Crystalline Properties of Cyclodextrin Derivatives having Channel Structure (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) WADA, Masahiro; OGOSHI, Tomoki; YAMAGISHI, Tada-aki

Chair: NUMATA, Munenori (9 : 50 ~ 10 : 40)

- * 9:40-9:50: interval for laptop PC connection.(1C6-06, 1C6-07, 1C6-08, 1C6-09)
- 1C6-06** Micelle-like Molecular Capsules Bearing Anthracene Rings: Extension of the Connection Unit and Host Capability (Chem. Res. Lab., Tokyo Tech) KONDO, Kei; YOSHIZAWA, Michito; AKITA, Munetaka
- 1C6-07** Highly Fluorescent Micelle-like Molecular Capsules: Comparison of Anthracene and Other Aromatic Rings (Chem. Res. Lab., Tokyo Tech) OKAZAWA, Yusuke; KONDO, Kei; YOSHIZAWA, Michito; AKITA, Munetaka
- 1C6-08** Synthesis of Cyclodextrin-Containing Polyrotaxanes Having Random Copolyesters (Grad. Sch. Sci., Eng., Tokyo Tech) IGUCHI, Hiroyuki; UCHIDA, Satoshi; SOGAWA, Hiromitsu; TAKATA, Toshikazu
- 1C6-09*** Synthesis and aggregation behavior of block copolymers bearing a polyrotaxane segment (Grad. Sch. Sci., Eng., Tokyo Tech) UCHIDA, Satoshi; IGUCHI, Hiroyuki; TAKATA, Toshikazu

Chair: AKITA, Munetaka (10 : 50~12 : 00)

- * 10:40-10:50: interval for laptop PC connection.(1C6-12, 1C6-13, 1C6-15, 1C6-17)
- 1C6-12** Fabrication of noncovalent supramolecular polymers through peptide folding (Doshisha Univ.) TANIGAWA, Yuhei; KOGA, Tomoyuki; HIGASHI, Nobuyuki
- 1C6-13*** Preparation and application of water-toluene nanoemulsion by using peptide-blockpolymer surfactant (Doshisha Univ.) KAMIWATARI, Soichi; KOGA, Tomoyuki; HIGASHI, Nobuyuki
- 1C6-15*** Mechanical Unfolding of Single-Chain Polymeric Nanoparticles (Eindhoven University of Technology Institute for Complex Molecular Systems) HOSONO, Nobuhiko; KUSHNER, Aaron; PALMANS, Anja; GUAN, Zhibin; MEIJER, E. W.
- 1C6-17**** Zwitterionic Liquid Crystals as Ion-Transporting Media (Grad. Sch. Eng., The Univ. of Tokyo) SOBERATS, Bartolome; YOSHIO, Masafumi; ICHIKAWA, Takahiro; OHNO, Hiroyuki; KATO, Takashi

Thursday, March 27, PM

Chair: FUKAMI, Kazuhiro (13 : 10~14 : 20)

- * 13:00-13:10: interval for laptop PC connection.(1C6-26, 1C6-27, 1C6-28, 1C6-29, 1C6-30, 1C6-32)
- 1C6-26** Solution Properties of Polyoxypropylene-Polyoxyethylene Type Non-ionic Surfactants with Identical Chain Length (Fac. Sci., Nara Women's Univ.) YADA, Shihou; YOSHIMURA, Tomokazu; NAKANO, Shinichi; YAMAMOTO, Takeshi
- 1C6-27** Synthesis and Solution Properties of Quaternary Ammonium Salt-type Gemini Surfactants with Various Ethyleneamine Derivatives (Fac. Sci., Nara Women's Univ.) MORITA, Tsukasa; YOSHIMURA, Tomokazu; WAKABAYASHI, Yasutake
- 1C6-28** Preparation of Amphiphilic Molecules Having Lipophilic Ion Pair as the Hydrophobic Site (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) YAMADA, Taihei; YAMADA, Kenta; SADA, Kazuki
- 1C6-29** Preparation of Perfluorochemical-Based Electrolytes and Their Electrochemical Properties (Sch. Advanced Sci. Eng., Waseda Univ.)

- KONISHI, Toshihiro; CHIKUSHI, Natsuru; NISHIDE, Hiroyuki
1C6-30* Low Surface Energy Hydrocarbon Surfactants as a Substitute for a Fluorinated Surfactant (Grad. Sch. Sci. Tech., Hirosaki Univ.) SAGISAKA, Masanobu; NARUMI, Tsuyoshi; NIWASE, Misaki; NARITA, Shioiki; ENDO, Takumi; OHATA, Atsushi; KUBOTA, Makoto; YOSHIZAWA, Atsushi
1C6-32 Synthesis of capsule-type supramolecular using amphiphilic porphyrin (Konan Univ. FIRST) KITA, Takuro; MURASHIMA, Takashi

Chair: KATO, Takashi (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(1C6-34, 1C6-37, 1C6-38, 1C6-39)
1C6-34 CSJ Award for Young Chemists in Technical Development Development of α -Gel Containing a Large Amount of Water and the Study of Pseudo-Intercellular Lipid Membrane Formation on a Skin Surface (Kao Corp. Global R&D Beauty Care) ORITA, Masanori
1C6-37 Supramolecular gel fabricated by self-assembly of amphiphilic zinc chlorophyll derivatives (Ryukoku Univ.; Ritsumeikan Univ.) MIYATAKE, Tomohiro; OKADA, Kazuki; TAKEDA, Masayuki; TAMIYAKI, Hitoshi
1C6-38 Supramolecular hydrogel as dye-adsorbing agent (Grad. Sch. Sci., Shizuoka Univ.) YANAI, Kazushige; YAMANAKA, Masamichi
1C6-39 Electrophoresis of biopolymers using supermolecular hydrogel (Shizuoka Univ. Grad. Sch. Sci.) TAZAWA, Shohei; OYOSHI, Takanori; KAYAMANA, Masamichi

Chair: YOSHIMURA, Tomokazu (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(1C6-41, 1C6-43, 1C6-44, 1C6-45, 1C6-46)
1C6-41* Thiophene Nanosheets - Folding-Assisted Self-Assembly (NIMS Polymer Materials Unit) IKEDA, Taichi
1C6-43 Photo-elongation of supramolecular nanofibers (Grad. Sch. Eng., Chiba Univ.) YAGAI, Shiki; YAMADA, Yuki; KARATSU, Takashi; KITAMURA, Akihide
1C6-44 Formation of Supramolecular Assemblies Based on Designed Ionic Species (Coll. Pharm. Sci., Ritsumeikan Univ.) MAEDA, Hiromitsu; KOBAYASHI, Makoto
1C6-45 Observation of Adhesion between Hard Materials Containing Host or Guest Molecules through Molecular Recognition (Sch. Sci., Osaka Univ.) SANO, Takaaki; KAKUTA, Takahiro; TAKASHIMA, Yoshinori; HARADA, Akira
1C6-46 Synthesis of Nanotubes Composed of Apoferritin Including Platinum Nanoparticle and Their Activity of Hydrogen Peroxide Decomposition. (Fac. Sci. Eng., Chuo Univ.) KOBAYAKAWA, Satoshi; SASAKI, Takumi; KOMATSU, Teruyuki

Chair: IKEDA, Taichi (16 : 50~17 : 50)

- * 16:40-16:50: interval for laptop PC connection.(1C6-48, 1C6-49, 1C6-50, 1C6-52)
1C6-48 Liquid-Crystalline Tetraazaphthalocenes showing Carrier-Transporting Properties (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) ABE, Tomonori; ISODA, Kyousuke; TADOKORO, Makoto
1C6-49 Preparation of solubilized fullerene-diamine assembly toward organic electronic materials (The Univ. of Shiga Pref. School of engineering) IZUMOTO, Daisuke; KIMURA, Kento; ONO, Yuji; BANYA, Shoto; OKU, Takeo; AKIYAMA, Tsuyoshi
1C6-50* Nano-scale self-assembly of amphiphilic oligomers/polymers and inorganic compounds (Sojo Univ. Department of Nanoscience, Faculty of Engineering) KOGA, Yuki; ARIE, Tsubasa; ISHIMARU, Yuya; KUROIWA, Keita
1C6-52** Synthesis and Characterization of alternating Ni/Fe- & Co/Cu-Based Organic-Heterometallic Hybrid Polymers (NIMS Electronic functional materials group) HOSSAIN, Md. Delwar; HIGUCHI, Masayoshi

Friday, March 28, AM

Chair: SAKAI, Toshio (9 : 00 ~9 : 30)

- * 8:50-9:00: interval for laptop PC connection.(2C6-01, 2C6-02, 2C6-03)
2C6-01 pH Dependence of Surface Charge of Giant Vesicle Constructed by Zwitterionic Amphiphile Bearing Carboxylate and Imidazolium Groups (Grad. Sch. Arts and Sci., The Univ. of Tokyo) OKURA, Yusaku; KURIHARA, Kensuke; TOYOTA, Taro; TAKAKURA, Katsuto; KAGEYAMA, Yoshiyuki; SUZUKI, Kentaro; SUGAWARA, Tadashi
2C6-02 Effect of Lipoplex on Morphological Changes of Polyethylene Glycol-tagged Giant Vesicle (Grad. Sch. Arts and Sci., The Univ. of Tokyo) KURIHARA, Kensuke; KAN, Yumi; TOYTA, Taro; IMAI, Masayuki; SUGAWARA, Tadashi
2C6-03 Synthesis of Micelles and Multi Layers Composed of Amphiphilic Pd (II) Complexes (Chem. Res. Lab., Tokyo Tech) ENDO, Hirotaka; SUZAKI, Yuji; OSAKADA, Kohtaro

Chair: AKASHI, Mitsuru (9 : 40 ~10 : 40)

- * 9:30-9:40: interval for laptop PC connection.(2C6-05, 2C6-07, 2C6-08, 2C6-09)
2C6-05* Photoinduced Demulsification of Photoresponsive Emulsions Pre-

pared Using a Gemini Surfactant (Fac. Eng., Tokyo Univ. of Sci.) TAKAHASHI, Yutaka; FUKUYASU, Kengo; HORIUCHI, Tatsuya; KONDO, Yukishige

- 2C6-07** Colloidal stability of emulsifier-free oil-in-water emulsions: Polar oil effect (Fac. Eng., Shinshu Univ.) YAMAMOTO, Ayumi; SAKAI, Toshio
2C6-08 Colloidal stability of emulsifier-free water-in-oil emulsions: Mixed oil effect (Fac. Eng., Shinshu Univ.) SEO, Keita; SAKAI, Toshio
2C6-09* Monodisperse Emulsion Droplets with Nitroxide Radical Liquid Shells (Sch. Eng. Sci., Osaka Univ.) UCHIDA, Yoshiaki; IWAI, Yosuke; AKITA, Takuya; MITOME, Takahito; SUZUKI, Katsuaki; TAMURA, Rui; NISHIYAMA, Norikazu

Chair: KONDO, Yukishige (10 : 50~12 : 00)

- * 10:40-10:50: interval for laptop PC connection.(2C6-12, 2C6-13, 2C6-15, 2C6-17)
2C6-12 Characterization of Amphiphilic Crosslinked-Cyclodextrin Nanoparticles and Application to Emulsifier (Osaka Municipal Technical Research Institute) KAWANO, Shintaro; SATO, Hirofumi; SHIZUMA, Motohiro; ONO, Daisuke; KIDA, Toshiyuki; AKASHI, Mitsuru
2C6-13** Encapsulation of Fullerenes by Columnar Liquid Crystalline Bowl-Shaped Peptidic Macrocyclic (Grad. Sch. Eng., The Univ. of Tokyo) SATO, Kohei; ITOH, Yoshimitsu; AIDA, Takuzo
2C6-15* Analysis of nanosegregated liquid-crystalline materials formed by the mixing of amphiphilic zwitterions and salts (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) MATSUMOTO, Takuro; ICHIKAWA, Takahiro; SAKUDA, Junji; KATO, Takashi; OHNO, Hiroyuki
2C6-17* Synthesis of liquid crystalline polymers containing rotaxane moieties directed toward liquid crystalline elastomers (Grad. Sch. Sci., Eng., Tokyo Tech) ABE, Yoko; OKAMURA, Hisashi; UCHIDA, Satoshi; TAKATA, Toshikazu

Friday, March 28, PM

Chair: KOGISO, Masaki (13 : 10~14 : 00)

- * 13:00-13:10: interval for laptop PC connection.(2C6-26, 2C6-27, 2C6-28, 2C6-29)
2C6-26 High-Water-Content Supramolecular Hydrogel with readily Accessible Binders Having Guanidinium Ions in Its Main Chain (Grad. Sch. Eng., The Univ. of Tokyo) YANAGISAWA, Yu; OKURO, Kou; AIDA, Takuzo
2C6-27 Electric Field Responsive Structural Color of Cholesteric Liquid Crystal: Continuous Variation and Memory Effect (Grad. Sch. Eng., The Univ. of Tokyo) TOKUNAGA, Shoichi; ITOH, Yoshimitsu; AIDA, Takuzo
2C6-28 Withdrawn
2C6-29* o-Phenylene Octamers: Surface Modifiers for Homeotropic Columnar Ordering of Discotic Liquid Crystalline Materials (Chem. Res. Lab., Tokyo Tech) KAJITANI, Takashi; KOSAKA, Atsuko; TAKATA, Masaki; FUKUSHIMA, Takanori; AIDA, Takuzo

Chair: FUKUSHIMA, Takanori (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(2C6-32, 2C6-33, 2C6-34, 2C6-35, 2C6-37)
2C6-32 Spontaneous Nematic Alignment of a Lipid Nanotube in Aqueous Solutions (NRI, AIST) DING, Wuxiao; MINAMIKAWA, Hiroyuki; MASUDA, Mitsutoshi
2C6-33 The anomalous liquid crystal formation in the ionic liquid/water/surfactant system (Fac. Sci. Technol., Tokyo Univ. of Sci.) SEKIHARA, Reina; MISONO, Takeshi; ENDO, Takeshi; SAKAI, Kenichi; ABE, Masahiko; SAKAI, Hideki
2C6-34 Relationship hydrogen bonding and liquid crystal formation on novel liquid-crystalline polyurethanes (Grad. Sch. Eng., Oita Univ.) SHIMADA, Genichiro; NATA, Masanori; UJIE, Seiji
2C6-35* Phase Structure and Transition of Supramolecular Liquid Crystal Systems Using Diacetylene Carboxylic Acid Derivatives (Grad. Sch. Eng., Osaka City Univ.; Grad. Sch. Eng., Osaka Pref. Univ.) IWATA, Takashi; MATSUMOTO, Akikazu
2C6-37 Side-Chain Engineering of Discotic Liquid Crystalline Organic Semiconductors with Two Immiscible Side Chains (Grad. Sch. Eng., Osaka Univ.) TSUTSUI, Yusuke; SAKURAI, Tsuneaki; SAEKI, Akinori; SEKI, Shu

Chair: ITOH, Yoshimitsu (15 : 20~16 : 10)

- * 15:10-15:20: interval for laptop PC connection.(2C6-39, 2C6-40, 2C6-41, 2C6-42, 2C6-43)
2C6-39 Substituent effects on temperature range of liquid crystalline phases of nitroxide radical compounds (Grad. Sch. Eng. Sci., Osaka Univ.) AKITA, Takuya; UCHIDA, Yoshiaki; NISHIYAMA, Norikazu
2C6-40 Luminol reaction in cholesteric liquid crystalline microcapsules (Grad. Sch. Eng. Sci., Osaka Univ.) IWAI, Yosuke; UCHIDA, Yoshiaki; NISHIYAMA, Norikazu
2C6-41 Synthesis of Chiral Silica by Chiral Catalytic Complexes of Polyethyleneimine/Tartrate (Fac. Eng., Kanagawa Univ.) MURATA, Hiroki; JIN, Ren-hua
2C6-42 Controlled Complexation of Polyethyleneimines with Tartrate and Chiral Transfer (Fac. Eng., Kanagawa Univ.) ARAI, Yoshiaki; JIN, Ren-hua

2C6-43 Visualization of Molecular Alignment Induced by Dynamic Photopolymerization (Chem. Res. Lab., Tokyo Tech) HISANO, Kyohei; MAMIYA, Jun-ichi; KINOSHITA, Motoi; SHISHIDO, Atsushi

Chair: UCHIDA, Yoshiaki (16 : 20~17 : 20)

* 16:10-16:20: interval for laptop PC connection.(2C6-45, 2C6-46, 2C6-48, 2C6-49, 2C6-50)

2C6-45 Formation Behavior of Cyanine J-aggregate on the Inorganic Layered Material Interfaces (Urban Environmental Sci., Tokyo Metropolitan Univ.) SATO, Narumi; FUJIMURA, Takuya; OHTANI, Yuta; SHIMADA, Tetsuya; TAKAGI, Shinsuke

2C6-46* Development of curdlan derivatives possessing stimuli-responsive units (Fac. Eng., Sojo Univ.) TAMARU, Shun-ichi; SHINKAI, Seiji; HORI, Kaori

2C6-48 Thermo-sensitive Behavior of a Polymer Having Pyrene Units by Addition of Small Molecules Bearing Multiple Acceptor Units (Grad. Sch. Chi. Sci. and Eng., Hokkaido Univ.) AMEMORI, Shogo; KOKADO, Kenta; SADA, Kazuki

2C6-49 Preparation and Characterization of Boronate Nanoparticles with AIE Characteristics (Urban Environmental Sci., Tokyo Metropolitan Univ.) OZAWA, Ayumi; SUGINO, Yasuyuki; NISHIYABU, Ryuhei; KUBO, Yuji

2C6-50 Preparation and characteristics of boronate microparticles with grafted fluorescence dyes (Urban Environmental Sci., Tokyo Metropolitan Univ.) KAMIYA, Yuka; SUGINO, Yasuyuki; YOSHIZUMI, Takaya; NISHIYABU, Ryuhei; KUBO, Yuji

Saturday, March 29, AM

Chair: OKAMOTO, Hiroaki (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3C6-01, 3C6-02, 3C6-03, 3C6-04, 3C6-05, 3C6-06)

3C6-01 Synthesis and Gelation Behavior of Gallic Acid Derivatives Bearing Glucose Moiety: Gelation for Halogenated Solvents (Grad. Sch. Sci., Eng., Yamagata Univ.) ITO, Keiichi; ITO, Kazuaki

3C6-02 Formation of pH responsive supramolecular hydrogel based on new dicarboxy L-lysine derivatives (Fac. Textile Sci. Technol., Shinshu Univ.) WATANABE, Ritsuko; HANABUSA, Kenji; SUZUKI, Masahiro

3C6-03 Gelation properties of organic salt compounds based on L-lysine and alkylamines (Fac. Textile Sci. Technol., Shinshu Univ.) TOMITA, Yuuki; HANABUSA, Kenji; SUZUKI, Masahiro

3C6-04 Drug release from supramolecular hydrogels formed by L-lysine hydrogelators containing drugs as a counter anion. (Fac. Textile Sci. Technol., Shinshu Univ.) SUZUKI, Ryosuke; HANABUSA, Kenji; SUZUKI, Masahiro

3C6-05 Gelation properties of organic salt compound consisting of L-lysine derivatives and carboxy drugs. (Fac. Textile Sci. Technol., Shinshu Univ.) ISHIMARU, Mitsuo; HANABUSA, Kenji; SUZUKI, Masahiro

3C6-06 Development of new gelator containing polycyclic aromatic segment based on L-isoleucine derivative and characteristic valuation (Fac. Textile Sci. Technol., Shinshu Univ.) KUROTANI, Gen; SUZUKI, Masahiro; HANABUSA, Kenji

Chair: MIYABAYASHI, Keiko (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3C6-08, 3C6-09, 3C6-10, 3C6-11, 3C6-12, 3C6-13)

3C6-08 Synthesis of gelators containing functional groups and characteristic evaluations. (Fac. Textile Sci. Technol., Shinshu Univ.) SANNO, Mayu; HANABUSA, Kenji

3C6-09 Synthesis of gelators of Eu(III) complex based on L-isoleucine and property evaluations (Fac. Textile Sci. Technol., Shinshu Univ.) SASAKI, Junpei; SUZUKI, Masahiro; HANABUSA, Kenji

3C6-10 Development of gelator for sensing formaldehyde gas (Fac. Textile Sci. Technol., Shinshu Univ.) YOSHIMURA, Asuka; SUZUKI, Masahiro; HANABUSA, Kenji

3C6-11 Preparation of a hydrogel using two kinds of low molecular weight organogelators (Fac. Eng., Tokyo Univ. of Sci.) NAKAGAWA, Makoto; KAWAI, Takeshi; ENDO, Hiroshi

3C6-12 Development of super gelator with sugar derivatives and application to emulsion gel (KASTEK, Kyushu Univ.; ISIT; Nissan Chemical Industries, Ltd) ONO, Fumiyasu; SEIJI, Shinkai; WATANABE, Hisayuki

3C6-13 Microviscosity and elastic modulus of gels made of low-molecular-weight gelator (Fac. Eng., Yamaguchi Univ.) KASATANI, Kazuo; KAYANOKI, Yusuke; MORITA, Yuki; OKAMOTO, Hiroaki

Chair: SUZUKI, Masahiro (11 : 20~11 : 50)

* 11:10-11:20: interval for laptop PC connection.(3C6-15, 3C6-16, 3C6-17)

3C6-15 Application of vibrational circular dichroism spectroscopy for gels formed by perfluoroalkyl low molecular weight gelators (Grad. Sch. Sci., Eng., Ehime Univ.; Grad. Sch. Human. Sci., Ochanomizu Univ.; Fac. Sci., Toho Univ.) SATO, Hisako; YAJIMA, Tomoko; YAMAGISHI, Akihiko

3C6-16 Synthesis and characterization of chiral gelators with perfluoroalkyl and alkyl chains (Grad. Sch. Human. Sci., Ochanomizu Univ.; Grad. Sch. Sci., Eng., Ehime Univ.; Fac. Sci., Toho Univ.) SASAKI, Mika; SATO, Hisako; YAJIMA, Tomoko; YAMAGISHI, Akihiko

3C6-17 Terminal Effects on Gelation and Crystallographic Study of *N*, *N'* -

n-bromoalkanoyl-1,2-diaminocyclohexane as Low Molecular Weight Gelators (Grad. Sch. Human. Sci., Ochanomizu Univ.; Grad. Sch. Sci., Eng., Ehime Univ.; Fac. Sci., Toho Univ.) NOGAMI, Emiko; SATO, Hisako; YAJIMA, Tomoko; YAMAGISHI, Akihiko

Saturday, March 29, PM

Chair: HAMACHI, Itaru (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(3C6-34, 3C6-36, 3C6-37, 3C6-39)

3C6-34* Anomalous Anisotropic Thermoresponse of NIPAM-based Hydrogels Doped with Uniformly Aligned Inorganic Nanosheets (Grad. Sch. Eng., The Univ. of Tokyo) KIM, Younsoo; LIU, Mingjie; ISHIDA, Yasuhiro; EBINA, Yasuo; SASAKI, Takayoshi; AIDA, Takuzo

3C6-36 Raman mapping of gels near solid surfaces (Fac. Eng., Yamagata Univ.) MATSUKA, Kouhei; SANO, Masahito

3C6-37* A Heterogeneous Catalytic System with Hydrogels Containing Apoproteins or Cofactors and Its Reaction Control (Sch. Sci., Osaka Univ.) KOBAYASHI, Yuichiro; TAKASHIMA, Yoshinori; HASHIDZUME, Akihito; YAMAGUCHI, Hiroyasu; HARADA, Akira

3C6-39 pH- and Sugar-responsive Gel Assembly Based on Boronate-Catechol Interactions (Grad. Sch. Sci., Osaka Univ.) MORI, Shoko; NAKAHATA, Masaki; TAKASHIMA, Yoshinori; HARADA, Akira

Chair: SANO, Masahito (15 : 40~16 : 30)

* 15:30-15:40: interval for laptop PC connection.(3C6-41, 3C6-42, 3C6-43, 3C6-44, 3C6-45)

3C6-41 Redox-Responsive Macroscopic Gel Assembly Based on Host-guest and Ionic Interactions (Grad. Sch. Sci., Osaka Univ.) NAKAHATA, Masaki; TAKASHIMA, Yoshinori; HARADA, Akira

3C6-42 Functional Polymer Materials with a Metal-Ion-Responsive Adhesion Property (Grad. Sch. Sci., Osaka Univ.; JST CREST) NAKAMURA, Takashi; TAKASHIMA, Yoshinori; HASHIDZUME, Akihito; YAMAGUCHI, Hiroyasu; HARADA, Akira

3C6-43 Adhesion of macromolecular hydrogels immersed in metal salt solutions (Grad. Sch. Sci., Osaka Univ.) GOTO, Aki; NAKAMURA, Takashi; TAKASHIMA, Yoshinori; YAMAGUCHI, Hiroyasu; HARADA, Akira

3C6-44 Supramolecular hydrogels for biological applications (1) : Expansion of detectable biomarkers based on enzyme encapsulation (Grad. Sch. Eng., Kyoto Univ.) SHIGEMITSU, Hajime; IKEDA, Masato; TANIDA, Tatsuya; YOSHII, Tatsuyuki; KUROTANI, Kazuya; ONOGI, Shoji; HAMACHI, Itaru

3C6-45 Supramolecular hydrogel for biological applications (2) : attempting high-sensitive detection based on signal amplification systems (Grad. Sch. Eng., Kyoto Univ.) ONOGI, Shoji; YOSHII, Tatsuyuki; HAMACHI, Itaru

Room C7

School of Engineering - Bldg. 1 121

Colloid and Interface Chemistry

Thursday, March 27, AM

Chair: FUJIKAWA, Shigenori (9 : 40 ~10 : 40)

* 9:30-9:40: interval for laptop PC connection.(1C7-05, 1C7-06, 1C7-07, 1C7-08, 1C7-10)

1C7-05* Molecular release from fluoros glass substrates triggered by increase in gas concentration in water (Grad. Sch. Sci., The Univ. of Tokyo) YAMADA, Junya; HARANO, Koji; NAKAMURA, Eiichi

1C7-06* Effect of surface structure on molecular release from fluoros surface triggered by increasing gas concentration in water (Grad. Sch. Sci., The Univ. of Tokyo) SEKI, Takakazu; YAMADA, Junya; HARANO, Koji; NAKAMURA, Eiichi

1C7-07 Pore Diameter Dependence of TiO₂ Deposition into Porous Silica by the Liquid Phase Deposition Method (Grad. Sch. Eng., Kobe Univ.) MATSUMOTO, Satoru; MAKI, Hideshi; MIZUHATA, Minoru

1C7-08* Molecular Dynamics of Li Electrolyte Solution Penetrated into Porous Silica (Grad. Sch. Eng., Kobe Univ.) MAKI, Hideshi; FUJITANI, Munehiro; SOGAWA, Ren; MIZUHATA, Minoru

1C7-10 Photochemical Reactivity of Individual Single-Walled Carbon Nanotubes at Nanogap of Plasmon Active Metal Nanodimer (Sch. Sci., Hokkaido Univ.) YOSHII, Takahiro; NAGASAWA, Fumika; YASUDA, Satoshi; MURAKOSHI, Kei

Chair: TAKAKUSAGI, Satoru (10 : 50~11 : 50)

* 10:40-10:50: interval for laptop PC connection.(1C7-12, 1C7-13, 1C7-14, 1C7-15, 1C7-17)

1C7-12 Formation of thin-film of metal nanoparticles deposited on polymer substrate using microwave heating (Grad. Sch. Sci., Eng., Tokyo Tech) YAMADA, Takuya; MOCHIZUKI, Dai; MAITANI, Masato; SUZUKI,

Eiichi; WADA, Yuji

- 1C7-13** Microwave sintering of silver particle thin film coated with polymer substrate (Grad. Sch. Sci., Eng., Tokyo Tech) KAWAMURA, Shinichiro; MOCHIZUKI, Dai; MAITANI, Masato; SUZUKI, Eiichi; WADA, Yuji
- 1C7-14** Microwave effects on the redox reactions on metal particles (Grad. Sch. Sci., Eng., Tokyo Tech) MOCHIZUKI, Dai; IMAI, Takashi; MATSUI, Hiroki; MAITANI, Masato; SUZUKI, Eiichi; WADA, Yuji
- 1C7-15*** 2D molecular assembly of metalloporphyrins and design of new nanostructures on Au surface (Pri. Org. Innovation and Excellence, Kumamoto Univ.) YOSHIMOTO, Soichiro; KAWAMOTO, Teppei
- 1C7-17** Preparation of Organic Molecular Thin Film by Electrochemical Polymerization. (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) FURUYA, Atom; YASUDA, Satoshi; MURAKOSHI, Kei

Thursday, March 27, PM

Chair: NONOMURA, Yoshimune (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(1C7-25, 1C7-28, 1C7-29, 1C7-30)
- 1C7-25** Young Scholar Lectures of CSJ Atomicity-controlled ultra-fine subnanoparticles (Chem. Res. Lab., Tokyo Tech) IMAOKA, Takane
- 1C7-28** Fabrication of Langmuir-Blodgett Films of Gold Nanospheres and Nanorods Assisted by Using Polyethylene Glycol (Grad. Sch. Eng., Kyushu Univ.) TAKAHASHI, Yukina; TACHIKIRI, Yuki; IDE, Natsuko; ISHIDA, Takuya; YAMADA, Sunao
- 1C7-29** Enhanced catalytic activity of gold nanoparticle with self-assembled monolayer. (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.; NIMS polymer materials unit) ISHIBASHI, Kousuke; ISOZAKI, Katsuhiko; TAGUCHI, Tomoya; TAKAYA, Hikaru; NAKAMURA, Masaharu; MIKI, Kazusi
- 1C7-30** Fabrication of organic semiconductor nanocrystals and these assembled films toward organic photovoltaic solar cells. (Grad. Sch. Sci., Eng., Yamagata Univ.) SATO, Toshimitsu; MASUHARA, Akito

Chair: YASUDA, Satoshi (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(1C7-32, 1C7-34, 1C7-35, 1C7-36, 1C7-37)
- 1C7-32*** Dye adsorption mechanism and photoelectrochemical properties of ZnO on Pd particles by chemical deposition (Nagano Pref. General Ind. Tech. Ctr.; Grad. Sch. Sci. Technol., Shinshu Univ.) NAGAYA, Satoshi; NISHIKIORI, Hiromasa
- 1C7-34** Preparation of Super-hydrophilic Polytetrafluoroethylene Surface Using Argon/Ammonia-water Plasma (Saitama Inst. of Tech. Department of Applied Chemistry, Graduate School of engineer) HAI, Wenfeng; YAJIMA, Tatuhiro
- 1C7-35** Apatite/Polymer Composite Materials with Ultra Rough Surfaces (Fac. Eng., Yamagata Univ.) SAWAGICHI, Haruna; KAWAI, Takahiro; MAYAMA, Hiroyuki; NONOMURA, Yoshimune
- 1C7-36** Specific surface free energy of the sulfate crystal (Grad. Sch. Sci. Technol., Shinshu Univ.) KAMIYA, Ryushi; SUZUKI, Takaomi
- 1C7-37** specific surface free energy on grown process of calcite (Fac. Eng., Shinshu Univ.) YAMANE, Shun; SUZUKI, Takaomi

Chair: SHOJI, Tatsuya (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(1C7-39, 1C7-40, 1C7-41, 1C7-42, 1C7-43, 1C7-44)
- 1C7-39** Large scale fabrication of periodic Au nanofin array and the optical properties (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST-CREST; I₂CNER, Kyushu Univ.) KICHISE, Daisuke; MORIKAWA, Masa-aki; FUJIKAWA, Shigenori; KIMIZUKA, Nobuo
- 1C7-40** Electrochemical potential control of strong coupling between localized surface plasmons and excitons in dye molecule (Sch. Sci., Hokkaido Univ.) OHNOKI, Atsuyori; NAGASAWA, Fumika; SUZUKI, Kentaro; MURAKOSHI, Kei
- 1C7-41** Nitriding of Titanium Surface by Atmospheric Pressure Nitrogen Microwave Discharge Plasma Generated Using Carbon felts (Grad. Sch. Eng., Saitama Inst. of Tech.) BAI, Jincheng; TATSUHIKO, Yajima
- 1C7-42** Fabrication of Plasmon Active Electrode for Photoenergy Conversion using Nanoholes on Photoetched Titanium Dioxide Single Crystal (Sch. Sci., Hokkaido Univ.) TODA, Takahiro; SUZUKI, Kentaro; FUTASHIMA, Ryo; YASUDA, Satoshi; MURAKOSHI, Kei
- 1C7-43** *In-situ* Monitoring of Orientation of Molecular Catalyst for Hydrogen Evolution Reaction (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) YONEZAWA, Yuko; NAGASAWA, Fumika; YASUDA, Satoshi; MURAKOSHI, Kei
- 1C7-44** *In-situ* Monitoring of Plasmon-Induced Oxygen Evolution Reaction using Surface-Enhanced Raman Scattering from Au Nanostructured TiO₂ Single Crystalline Electrode (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) SUZUKI, Kentaro; NAGASAWA, Fumika; YASUDA, Satoshi; MURAKOSHI, Kei

Chair: KANO, Hirofumi (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(1C7-46, 1C7-47, 1C7-48, 1C7-49, 1C7-50, 1C7-51)
- 1C7-46** Electrochemical STM observation of single monolayer graphene

supported on Au(111) (Sch. Sci., Hokkaido Univ.) KUMAGAI, Ryota; SATO, Shino; YASUDA, Satoshi; MURAKOSHI, Kei

- 1C7-47** Conductive AFM observation of molecular nanodot formation (Sch. Sci., Hokkaido Univ.) TAKEUCHI, Yuma; MURAKOSHI, Kei; IKEDA, Katsuyoshi
- 1C7-48** Development of highly sensitive electroanalytical assay using interdigitated array conductive boron-doped DLC electrode (Fac. Sci., Yamaguchi Univ.) KAWAJIRI, Ryohei; SHIMAI, Yohsuke; HONDA, Kensuke
- 1C7-49** Fabrication of wide gap Si added a-C semiconductor with p-type conduction by plasma enhanced chemical vapor deposition (Fac. Sci., Yamaguchi Univ.) NAGATA, Yoshiya; YAMADA, Masahiro; HONDA, Kensuke
- 1C7-50** The synthesis of carbon-based material with high reactivity toward oxygen reduction reaction(ORR) activity by plasma enhanced chemical vapor deposition(CVD) (Fac. Sci., Yamaguchi Univ.) SHIMAI, Yohsuke; KAWAJIRI, Ryohei; HONDA, Kensuke
- 1C7-51** Gas adsorption behavior and structure change of three dimensional Hofmann type porous coordination polymer nanofilms (Grad. Sch. Sci., Kyoto Univ.) HARAGUCHI, Tomoyuki; OTSUO, Kazuya; SAKATA, Osami; FUJIWARA, Akihiko; KITAGAWA, Hiroshi

Chair: HONDA, Kensuke (17 : 40~18 : 40)

- * 17:30-17:40: interval for laptop PC connection.(1C7-53, 1C7-54, 1C7-55, 1C7-56, 1C7-58)
- 1C7-53** Synthesis and evaluation of microporous silica by replication of a coordination polymer (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KONDO, Atsushi; MAEDA, Kazuyuki
- 1C7-54** Effects of carbon dioxide concentration on the formation of bicarbonate from K₂CO₃ (Grad. Sch. Sci., Chiba Univ.) LUO, Hongchao; CHIOYAMA, Hideyuki; OHBA, Tomonori; KANO, Hirofumi
- 1C7-55** Characterization of chitosan-gold nanocomposite and apply to reduction of aromatic nitro compounds (Tokyo Univ. of Sci. Grad. Sch. Sci. Edu.) HAYAKAWA, Shun; INOUE, Masayuki
- 1C7-56*** Pt Nanoparticle-Embedded Porous Diamond Spherical Particles for a Catalyst (Fac. Sci. Technol., Tokyo Univ. of Sci.) KONDO, Takeshi; MORIMURA, Takuji; AIKAWA, Tatsuo; YUASA, Makoto
- 1C7-58** Study of adsorption properties of carbon dioxide and water on metal sulfide introduced zeolite. (Fac. Sci. Tech., SIST) MURAMATSU, Yukino; YAMAZAKI, Satoshi

Friday, March 28, AM

Chair: MIZUKAMI, Masashi (9 : 00 ~9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(2C7-01, 2C7-02, 2C7-03, 2C7-04, 2C7-05)
- 2C7-01*** Preparation of boron nitride nanoribbon by unzipping nanotubes in butanol via sonication treatment (Grad. Sch. Sci., Eng., Tokyo Tech) KIM, Dukeun; SAWADA, Tosiki; KAWAUCHI, Susumu; ZHI, Chunyi; BANDO, Yoshio; GOLBERG, Dmitri; SERIZAWA, Takeshi
- 2C7-02** Smoothness : tactile feel and friction at a fingertip. (Grad. Sch. Sci., Eng., Yamagata Univ.) KURAMITSU, Keitaro; TAKAHASHI, Akira; ARIKURA, Satoshi; KURIHARA, Masayuki; SUZUKI, Takashi; NONOMURA, Yoshimune
- 2C7-03** Control of friction on film attached PDMS wrinkles by the shape-tuning (NRI, AIST) SUZUKI, Kosuke; HIRAI, Yuji; OHZONO, Takuya
- 2C7-04** Effect of Surface Treatments on Adhesion Between Polyimide Films and Stainless Steel Substrates (Fac. Eng., Tokyo Univ. of Sci.) AKABORI, Hiroki; IJIMA, Kazutoshi; HASIDUME, Mineo
- 2C7-05** Static friction of solid/solid surfaces separated by a liquid lubricant film (NICH, Tohoku Univ.) YAMADA, Shinji; TANABE, Tadao; KURIHARA, Kazue

Chair: MURAKOSHI, Kei (10 : 00~11 : 00)

- * 9:50-10:00: interval for laptop PC connection.(2C7-07, 2C7-08, 2C7-09, 2C7-10, 2C7-11, 2C7-12)
- 2C7-07** Lubrication properties of ammonium based ionic liquid between silica surfaces using resonance shear measurement (Tsuruoka Nat. Coll. of Tech.) KAMIJO, Toshio; ARAFUNE, Hiroyuki; SATO, Takaya; MORINAGA, Takashi; HINO, Masaya; MIZUKAMI, Masashi; KURIHARA, Kazue
- 2C7-08*** Shear dynamics of confined ionic liquids (WPI-AIMR, Tohoku Univ.) CANOVA, Filippo; MATSUBARA, Hiroki; MIZUKAMI, Masashi; KURIHARA, Kazue; SHLUGER, Alexander
- 2C7-09** Characterization of hexadecane confined between iron surfaces using twin-path resonance shear measurement (IMRAM, Tohoku Univ.; WPI-AIMR, Tohoku Univ.; Toyota Motor Co.; Toyota Central R&D Labs., Inc.) KASUYA, Motohiro; HINO, Masaya; YAMADA, Hisho; MIZUKAMI, Masashi; MANABE, Kazuhiro; SUZUKI, Atsushi; MORI, Hiroyuki; KAJITA, Seiji; OHMORI, Toshihide; KURIHARA, Kazue
- 2C7-10** Tribological property of hexadecane-palmitic acid confined between iron surfaces by characterized resonance shear measurement. (IMRAM, Tohoku Univ.) TOMITA, Kazuhito; MIZUKAMI, Masashi; KASUYA, Motohiro; INOMATA, Kyona; KURIHARA, Kazue
- 2C7-11** Evaluation of pH at Alumina-Water Interface using SFA Fluorescence Spectroscopy : Salt Concentration Dependence (IMRAM, Tohoku Univ.; WPI-AIMR, Tohoku Univ.) KAWASHIMA, Masataka; SAITO, Yuko;

INOMATA, Kyeong a; KASUYA, Motohiro; KURIHARA, Kazue

2C7-12 Ion Adsorption on Gold Electrode Studied by Electrochemical Surface Force Measurement (IMRAM, Tohoku Univ.) SOGAWA, Tsukasa; KASUYA, Motohiro; MASUDA, Takuya; UOSAKI, Kohei; KURIHARA, Kazue

Chair: SAKAI, Hideki (11 : 10~12 : 10)

* 11:00-11:10: interval for laptop PC connection.(2C7-14, 2C7-16, 2C7-18)
2C7-14* The properties of sulfate ion adsorption on silica hydrogel (Fac. Sci., Shinshu Univ.) SASAHARA, Shigeo; OHNO, Naoki; OZEKI, Sumio
2C7-16* Kinetics of electron transfer through Cobalt-porphyrin-modified monolayers (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) SATO, Shino; MURAKOSHI, Kei; IKEDA, Katsuyoshi
2C7-18* Vibrational Spectroscopic Analysis on the Formation Process of Octadecanethiol Self-Assembled Monolayers on Gold Nanoparticles (Grad. Sch. Eng., Kyushu Univ.; Grad. Sch. Sci., Eng., Kagoshima Univ.) ISHIDA, Takuya; TACHIKIRI, Yuki; TAKAHASHI, Yukina; KURAWAKI, Junichi; YAMADA, Sunao

Friday, March 28, PM

Chair: IKEDA, Katsuyoshi (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2C7-28, 2C7-30, 2C7-32)
2C7-28* Kinetic study for quantum molecular sieving separation of isotope mixed gas on microporous materials (ENCs, Shinshu Univ.) MINAMI, Daiki; FUJIMORI, Toshihiko; KANEKO, Katsumi
2C7-30* Micro patterning of phosphor films and array waveguide grating for the fabrication of 3D transparent display (Fac. Ind. Sci. Technol., Tokyo Univ. of Sci.) WATANABE, Satoshi; ASANUMA, Takeo; SOGA, Kohei; MATSUMOTO, Mutsuyoshi
2C7-32* Electronic state changes of TiO₂ upon metal nanoparticle modifications studied by ATR-FUV (Sch. Sci. Tech., Kwansai Gakuin Univ.) TANABE, Ichiro; RYOKI, Takayuki; OZAKI, Yukihiko

Chair: HASHIZUME, Mineo (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2C7-35, 2C7-36, 2C7-37, 2C7-38, 2C7-39, 2C7-40)
2C7-35 Formation of Au nanoparticles from ligand-protected Au clusters deposited on an oxide single crystal surface by oxygen plasma treatment (CRC, Hokkaido Univ.) TAKAKUSAGI, Satoru; MOKKO, Jun; IMRAN BIN ABDUL R. M., Nabil; UEHARA, Hiromitsu; ARIGA, Hiroko; ASAKURA, Kiyotaka
2C7-36 Preparation of Silica Thin Films from Sodium Silicate and Proteins with Petal Effect (UBIQEN, AIST; Fac. Eng., OIT) FUJIWARA, Masahiro; IMURA, Tatsuki; ARAKI, Miyuki; SHIOKAWA, Kumi; MORIUCHI-KAWAKAMI, Takayo
2C7-37 Anomalous Hydration of Electrolyte in Nanospaces (Grad. Sch. Sci., Chiba Univ.) OHBA, Tomonori; KANO, Hirofumi
2C7-38 Dependence of N₂ Adsorption Behavior on Graphene Layer Number (Grad. Sch. Sci., Chiba Univ.) TAKASE, Atsushi; KANO, Hirofumi; OHBA, Tomonori
2C7-39 Adsorption of Water, Methanol and Ethanol in Mesoporous Carbon (Okayama Univ. of Sci.) MORISHIGE, Kunimitsu; KITTAKA, Shigeharu
2C7-40 Temperature effect on the adsorption behavior of mono-cationic dyes in the clay surface (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) TAKIGAWA, Tomoaki; SHIMADA, Tetsuya; TAKAGI, Shinsuke

Chair: EGUCHI, Miharuru (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(2C7-42, 2C7-43, 2C7-44, 2C7-45, 2C7-46, 2C7-47)
2C7-42 Pressure induced transition of bilayer structures in a nonionic surfactant vesicle (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) TAKANO, Tetsuo; KAWABATA, Youhei; KATO, Tadashi
2C7-43 Effects of oscillatory shear flow on the orientation of the inverse bicontinuous cubic phase in a surfactant system (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YAMANOI, Mutsumi; KAWABATA, Youhei; KATO, Tadashi
2C7-44 Polymer Immobilization on Poly(tetrafluoroethylene) Substrate Surfaces Using Supercritical Fluids (Fac. Eng., Tokyo Univ. of Sci.) FURUKAWA, Akane; MURAYAMA, Satoru; IJIMA, Kazutoshi; Otake, Katsuto; HASHIZUME, Mineo
2C7-45 Surface Functionalization of Polyimide Films Using Hot Press Technique and Hydroxyapatite Deposition Thereon (Fac. Eng., Tokyo Univ. of Sci.) KOUMARU, Shohei; MAEDA, Masashi; IJIMA, Kazutoshi; HASHIZUME, Mineo
2C7-46 Two-dimensional growth of conductive polymer on insulating substrates by electropolymerization (IAE, Kyoto Univ.) KOYAMA, Akira; YAMAUCHI, Takeshi; NISHI, Naoya; SAKKA, Tetsuo; KITADA, Atsushi; FUKAMI, Kazuhiro; MURASE, Kuniaki
2C7-47 Hazing and rhythmic phenomena at water-alcohol interface (Fac. Life Med. Sci., Doshisha Univ.) MATSUURA, Hirosato; OSUGA, Saki; YOSHIKAWA, Kenichi

Saturday, March 29, AM

Chair: KONDO, Toshihiro (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3C7-01, 3C7-02, 3C7-03, 3C7-04, 3C7-06)
3C7-01 2D Self-Assembly of Cyamerulic Acid at the Solutions-Solid Interface (Fac. Eng., Kagawa Univ.; Grad. Sch. Sci. Technol., Kumamoto Univ.) UEMURA, Shinobu; NAKAMURA, Yusuke; KUNITAKE, Masashi
3C7-02 Formation of Langmuir-Blodgett Films of Polyguanamine with Aromatic Rings and Estimation of Its Molecular Arrangement (Grad. Sch. Sci., Eng., Saitama Univ.) KIKKAWA, Takahiro; SHIBASAKI, Yuji; FUJIMORI, Atsuhiko
3C7-03 The Polymer Topology Effect with Interfacial Molecular Films: A "Shape" of the Molecular has an effect on the formation of Organized Molecular Films (Fac. Eng., Saitama Univ.) MENG, Qi; HASHIMOTO, Masamichi; HONDA, Satoshi; TEZUKA, Yasuyuki; YAMAMOTO, Takuya; FUJIMORI, Atsuhiko
3C7-04* Assembly of highly-oriented molecular nanosheets at liquid interfaces and enlargement of the domain size (Nanoscience and Nanotechnology Research Center, Osaka Pref. Univ.; JST-PRESTO) MAKIURA, Rie; KONOVALOV, Oleg
3C7-06 Optical and electric properties of free-standing metal nanosheets fabricated by UV (Fac. Eng., Tokyo Univ. of Sci.) NISHIMURA, Tatsuya; KAWAI, Takeshi; ENDO, Hiroshi; ITO, Naoyuki

Chair: KUNITAKE, Masashi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3C7-08, 3C7-09, 3C7-10, 3C7-12)
3C7-08 Fabrication of Organo-modified Nanodiamond Film with Low Defect by Using of Langmuir-Blodgett Technique (Grad. Sch. Sci., Eng., Saitama Univ.) HONDA, Nanami; AKASAKA, Shuichi; FUJIMORI, Atsuhiko
3C7-09 Hydrophilicity and Dipole Interaction of a Perfluoroalkyl Chain Studied by Surface Chemistry and Infrared Spectroscopic Techniques (ICR, Kyoto Univ.; Gunma Univ. Faculty of Sci. & Technol.; AIST Res. Center for Stem Cell Eng.) SHIMOAKA, Takafumi; HASEGAWA, Takeshi; MORITA, Kohei; SONOYAMA, Masashi; TAKAGI, Toshiyuki; KANAMORI, Toshiyuki

学生講演

3C7-10* Construction of Flatly Adsorbed Porphyrin Self-Assembled Monolayer on Au(111) (Grad. Sch. Human. Sci., Ochanomizu Univ.) AOKI, Nana; ARISAKA, Tomoko; ISHIKAWA, Yurika; KONDO, Toshihiro
3C7-12* Comparative studies on the formation and solvolysis reactions of the monolayers of porphyrins bearing primary and tertiary alcohols on silicate glass and silica gel (Doshisha Univ.) FURUTA, Nao; YAGI, Takaaki; MIZUTANI, Tadashi

Chair: FUJIMORI, Atsuhiko (11 : 20~12 : 00)

* 11:10-11:20: interval for laptop PC connection.(3C7-15, 3C7-17, 3C7-18)
3C7-15* Fabrication of sub-1 nm graphene nanoribbons by radical polymerization-chemical vapor deposition (IAE, Kyoto Univ.) YANO, Maki; HIRANO, Yoshitaka; KOJIMA, Takahiro; NAKAE, Takahiro; SAKAGUCHI, Hiroshi
3C7-17 Two-dimensional crystallization of DNA-functionalized Au nanoparticles using supported lipid bilayer (Grad. Sch. Eng., Nagoya Univ.) ISOGAI, Takumi; AKADA, Eri; PIEDNOIR, Agnes; AKAHOSHI, Yuki; TERO, Ryugo; HARADA, Shunta; UJIHARA, Toru; TAGAWA, Miho
3C7-18 Block copolymer-mediated formation and organization of gold nanoparticles on silica microspheres in aqueous media (Fac. Eng., Shinshu Univ.) WATANABE, Takahisa; SAKAI, Toshiro

Saturday, March 29, PM

Chair: HAMASAKI, Atom (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(3C7-34, 3C7-35, 3C7-36, 3C7-37, 3C7-38)
3C7-34 Analysis of membrane properties and synthesis of DMPC analog molecules with different perfluoroalkyl chain length (Grad. Sch. Eng., Gunma Univ.) MORITA, Kohei; TAKAHASHI, Hiroshi; AMII, Hideki; SONOYAMA, Masashi; TAKAGI, Toshiyuki; KANAMORI, Toshiyuki; HASEGAWA, Takeshi
3C7-35 Optical Evaluation of Graphene Using Fluorescent-phospholipids (Fac. Eng., Yamagata Univ.) MATSUNO, Yutaka; SANO, Masahito
3C7-36 Chemical reactivity of graphene oxide on a solid surface (Fac. Eng., Yamagata Univ.) YOSII, Yasutaka; OKIMOTO, Haruya; SANO, Masahito
3C7-37 Synthesis of Novel Polymerizable Amphiphiles Containing Hydrolysable Linkages and Their Self-Assembly in Water (Grad. Sch. Arts and Sci., The Univ. of Tokyo) BANNO, Taisuke; TOYOTA, Taro
3C7-38* Formation and fluidity evaluation of artificial lipid membranes on graphene oxide (Toyoashi Univ. of Tech.) OKAMOTO, Yoshiaki; MOTEGI, Toshinori; IWASA, Seiji; SANDHU, Adarsh; TERO, Ryugo

Chair: OKAMURA, Emiko (15 : 40~16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(3C7-41, 3C7-43, 3C7-45)
3C7-41* Single Molecule Diffusion Analysis for Structure and Fluidity of Phosphatidylinositol-Containing Supported Lipid Bilayer (Toyoashi Univ. of Tech. EIRIS) MOTEGI, Toshinori; TAKIGUCHI, Kingo; TAKIGUCHI, Yohko; TERO, Ryugo
3C7-43** Pentasubstituted Fullerene Amphiphiles with Low Critical Micelle Concentration, High Dispersion Ability and Controllable Surface Activity (Grad. Sch. Sci., The Univ. of Tokyo) NITTA, Hirohisa; ISOMURA, Mayuko; HARANO, Koji; NAKAMURA, Eiichi
3C7-45 Lateral diffusion of vesicles and the construction of its measuring system under magnetic fields. (Fac. Sci., Shinshu Univ.) DEGUCHI, Risa; HAMASAKI, Atom; OZEKI, Sumio

Chair: TERO, Ryugo (16 : 40~17 : 20)

- * 16:30-16:40: interval for laptop PC connection.(3C7-47, 3C7-49, 3C7-50)
3C7-47* The Regulation of Protrusion of Phospholipids in Cell Sized Vesicle by Hydrophobic Substances (Himeji Dokkyo University faculty of pharmaceutical sciences) TAKECHI, Yuki; OKAMURA, Emiko
3C7-49 Synthesis and Analysis Membrane Properties of Dimerized Di-O-Tetradecylphosphatidylcholine (Gunma Univ. Fac. Sci. & Technol.; AIST Res.Center for Stem Cell Eng.) TSUCHIDA, Naoyuki; TAKAGI, Toshiyuki; TAKAHASHI, Hiroshi; KANAMORI, Toshiyuki; SONOYAMA, Masashi
3C7-50 Reconstitution of Membrane Protein Bacteriorhodopsin into Liposome of Dimerized Di-O-Tetradecylphosphatidylcholine (Gunma Univ. Fac. Sci. & Technol.; AIST Res. Center for Stem Cell Eng.; Grad. Fac. Life Sci., Hokkaido Univ.) TSUCHIDA, Naoyuki; TAKAGI, Toshiyuki; KIKUKAWA, Takashi; TAKAHASHI, Hiroshi; KANAMORI, Toshiyuki; SONOYAMA, Masashi

Room D1
 School of Engineering - Bldg. 2 221

Education and History

Thursday, March 27, AM

Chair: SHUICHI, Takahara (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(1D1-07, 1D1-08, 1D1-10, 1D1-11)
1D1-07 Building the attractive chemistry classes by using multi-functional wagon (Doshisha International Junior / Senior High School; Fac. Sci. Eng., Doshisha Univ.) SAKASHITA, Junichi
1D1-08* Development and Practice of a Reliable Experimental Method for "Making Karumeyaki" with High Success Probability (Aichi Univ. of Educ.) TOYA, Yoshiaki
1D1-10 Chemistry experiments in the 2013 special exhibition "World of chemical elements" at the Sendai Science Museum (Grad. Sch. Sci., Tohoku Univ.; Miyagi Univ. of Educ.; Grad. Sch. Eng., Tohoku Univ.; Shokei Gakuin Univ.; 3M Sendai Science Museum) TOYOTA, Kozo; SAWATARI, Hideyuki; KASAI, Kayoko; NAKAYAMA, Toru; SAITO, Koichi; SUGANO, Koichi; YAMASHITA, Masahiro
1D1-11 New Action of the Science Navigators training mainly on the Slime Experiment (Yamagata Univ. scita center) SUGAWARA, Akira; KURIYAMA, Yasunao

Chair: SAWATARI, Hideyuki (11 : 00~11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(1D1-13, 1D1-14, 1D1-15, 1D1-16)
1D1-13 Accomplishment report of JST Agency next generation scientist training program menu B "Science Innovation Challenge Course" (Fac. Edu., Ehime Univ.; CSTRC, Ehime Univ.; Matsuyama City Board of Education Division of School Education) OHASHI, Atsuh; HAYASHI, Hidenori; NAWAMURA, Toshikuni
1D1-14 Acquisition situation of the knowledge of the high school chemistry investigated by an achievement test for freshmen. (Okayama Univ. of Sci.) TAKAHARA, Shuichi; SAITO, Asami
1D1-15 Junior High School Student's Attitude toward School Science textbook between China and Japan (Fac. Edu., Kagawa Univ.) WANG, Shan; SASAKI, Nobuyuki; TAKAGI, Yumiko
1D1-16* Systematic Research into History of Industrial Technology Development as the Sharing of Social Knowledge - focus on the Pesticide Technology (National Museum of Nature and Science Center of the History of Japanese Industrial Technology) KAMEI, Osamu; OOTA, Hiroki

Thursday, March 27, PM

Chair: KARAYAMA, Masaki (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(1D1-25, 1D1-28)
1D1-25 CSJ Award for Merits for Chemical Education Contribution to Chemistry Education through Creative Leadership on a Science Club

and Development of Various Teaching Material (Otani Junior & Senior HighSchool) NISHIDA, Tetsuya

- 1D1-28 CSJ Award for Merits for Chemical Education** Development and Dissemination of Chemical Experiments through Utilization of Familiar Materials (Kokugakuin High School) YOTSUYA, Kouichi

Chair: ITO, Masato (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(1D1-32)
1D1-32 CSJ Award for Chemical Education Development of Materials for Chemistry Education, especially for Radiation Education, and Contribution to the Advancement and Spread of Chemistry Education at Home and Abroad (Grad. Sch. of Edu., Tokyo Gakuji Univ.) KAMATA, Masahiro

Chair: SHIMOI, Mamoru (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(1D1-39)
1D1-39 CSJ Award for Chemical Education Popularization of Chemistry through "Kagaku daisuki club" (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) UCHIYAMA, Katsumi

Chair: TOYA, Yoshiaki (16 : 30~17 : 20)

- * 16:20-16:30: interval for laptop PC connection.(1D1-46, 1D1-48, 1D1-49, 1D1-50)
1D1-46* Simple and Rapid Method for Isolation and Purification of Carotenoids in Food:Development and Application of Teaching Material on Experimental Workshop (Miyagi Univ. of Educ.) SHIBUYA, Shiori; ENDO, Kazuki; KASAI, Kayoko
1D1-48 Development of teaching materials about oxidation of vegetable oils (2) (Grad. Sch. Mathematics Sci. Edu., Tokyo Univ. of Sci.) KAWANO, Takahiro; INOUE, Masayuki
1D1-49 Utilization of a Glucose Meter for Learning and Assay of Saccharides (Fac. Edu., Hiroshima Univ.) OMURA, Hisashi; AMIMOTO, Kiichi
1D1-50 Development of teaching material about synthesis of acetaminophen starting from phenol (Tokyo Univ. of Sci. Grad. Sch. Sci. Edu.) NAKAMURA, Masao; INOUE, Masayuki

Friday, March 28, AM

Chair: INOUE, Masayuki (9 : 10 ~10 : 10)

- * 9:00-9:10: interval for laptop PC connection.(2D1-02, 2D1-05)
2D1-02 CSJ Award for Merits for Chemical Education Development of Teaching Materials to Encourage Students to Learn Chemistry and Active Successful Leadership in a Science Club (NIGAWA GAKUIN Junior and Senior high school) YONEZAWA, Takeshi
2D1-05 CSJ Award for Merits for Chemical Education Development and Dissemination of Chemistry Teaching Aids Applicable to Kindergarten, Elementary and Junior High School Science Classes (KAISEI ACADEMY) MIYAMOTO, Kazuhiro

Chair: KAMATA, Masahiro (10 : 20~10 : 50)

- * 10:10-10:20: interval for laptop PC connection.(2D1-09)
2D1-09 CSJ Award for Merits for Chemical Education Development and Practical Use of Attractive Teaching Materials Helping Realize Properties of Diamond (Toyama Nat. Coll. Technol.) KAWAI, Takae

Chair: WATANABE, Tadashi (11 : 00~12 : 00)

- * 10:50-11:00: interval for laptop PC connection.(2D1-13)
2D1-13 CSJ Award for Chemical Education Leading and Significant Contribution to Collaborative Chemical Education of High School, University, and Chemical Industry and to Enhancement of Public Appreciation of Chemistry (Fac. Eng., Tokyo Univ. of Agri. and Technol.) YONEZAWA, Noriyuki

Friday, March 28, PM

Chair: CHOUNAN, Yukiyasu (13 : 10~14 : 00)

- * 13:00-13:10: interval for laptop PC connection.(2D1-26, 2D1-27, 2D1-28, 2D1-29, 2D1-30)
2D1-26 ESR Spectroscopy as Potential Teaching Material 1. Brief Introduction of ESR (Nara Univ. of Educ.) TATSUMI, Tetsuya; KAJIWARA, Atsusi
2D1-27 ESR Spectroscopy as a Potential Teaching Material 2.Examples of Potential Teaching Materials on ESR Spectra (Nara Univ. of Educ.) KAJIWARA, Atsusi; TATSUMI, Tetsuya
2D1-28 Brief Introduction of Time-resolved Electron spin Resonance Spectroscopy as teaching Materials of chemistry at high school. (Nara Univ. of Educ.) MATOBA, Ryosuke; KAJIWARA, Atsusi
2D1-29 A Quantitative Analysis of Copper (II) Ion by Biuret Reaction (Fac. Edu., Hiroshima Univ.) IMANAKA, Tohru; AMIMOTO, Kiichi
2D1-30 Investigations of the behavior of droplets and jets (Saitama Prefectural Urawa-Higashi High School Science) HARADA, Shinichiro

Chair: AMIMOTO, Kiichi (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(2D1-32, 2D1-34, 2D1-35, 2D1-36)

- 2D1-32*** ESR measurements of familiar material by cooperation between High School and University (Tezukayama Senior High School; Nara Univ. of Educ.) NAKAJIMA, Hiroki; KAJIWARA, Atsushi
- 2D1-34** Examination for synthesis of methane hydrate at the school (Fac. Edu., Hiroasaki Univ.) WADA, Yukie; FUKUOKA, Yuma; CHOUNAN, Yukiyasu
- 2D1-35** Monozukuri education in the field of chemistry through development of an automatic titrator (The Univ. of Tokushima) UETA, Shoko; SOTOWA, Kenichiro
- 2D1-36*** Representation of the acid-base by the new structural formula (Laboratory of global energy sytem director) SANO, Hiroshi

Saturday, March 29, AM

Chair: MUNEGUMI, Toratane (9 : 00 ~ 9 : 40)

* 8:50-9:00: interval for laptop PC connection.(3D1-01, 3D1-02, 3D1-04)

- 3D1-01** Practical Lesson on Microscale Experiment at Japanese Super Science High School: Le Chatelier's Principle (Kobe College; Hyogo Prefectural Kobe High School) NAKAGAWA, Tetsuo; NAKAZAWA, Katsuyuki
- 3D1-02*** Use of the Microscale Experimental Kit in a Junior High School (Sendai Nakada Junior High School) NAGANUMA, Takatoshi; KUNII, Keiko; SUGANO, Koichi; OGINO, Kazuko
- 3D1-04** Practice of Microscale Experiments on Electrochemical Cells: Comparison with Ordinary Scale Experiments (Tohoku Univ. Tohoku Univ; Higashinagara Junior High School) OGINO, Kazuko; SUZUKI, Daisuke; HATTORI, Masaya

Chair: NAKAGAWA, Tetsuo (11 : 50 ~ 12 : 30)

* 11:40-11:50: interval for laptop PC connection.(3D1-18, 3D1-20, 3D1-21)

- 3D1-18*** Consideration of the border line between strong acids and weak acids (Dept. Nat. Sci. Edu., Naruto Univ. of Edu.) MUNEGUMI, Toratane
- 3D1-20** Fabrication of a chlorophyll dye-sensitized solar cell for teaching materials (Nagasaki Univ. Graduate School of Education) HOSHINO, Yoshimasa; TAKAKI, Takuro; MIYAHARA, Satomi
- 3D1-21** The Science education and dietary education program using bananas (Salesian Polytechnic) NAGAO, Akemi; OHSUGI, Isao J.

Room D2

School of Engineering - Bldg. 2 222

Physical Chemistry -Structure-

Thursday, March 27, PM

ESR/Solid State

Chair: NAKANO, Masayoshi (13 : 00 ~ 14 : 00)

* 12:50-13:00: interval for laptop PC connection.(1D2-25, 1D2-26, 1D2-27, 1D2-28, 1D2-30)

- 1D2-25** Electron Spin Technology based on Arbitrary Microwave Pulses (Grad. Sch. Sci., Osaka City Univ.) SATO, Kazunobu; NAKAZAWA, Shigeaki; TOYOTA, Kazuo; SHIOMI, Daisuke; MORITA, Yasushi; TAKUI, Takeji
- 1D2-26** A Mixed-Valence Rhenium Complex with Functionalities Relevant to Synchronized Motion between Protons and Electrons as Studied by ESR Spectroscopy and Quantum Chemical Calculations (Grad. Sch. Sci., Osaka City Univ.) YAMANE, Takeshi; SATO, Kazunobu; SUGISAKI, Kenji; KANZAKI, Yuki; TOYOTA, Kazuo; SHIOMI, Daisuke; YOSHIZAWA, Makoto; TADOKORO, Makoto; TAKUI, Takeji
- 1D2-27** Analysis of the single crystal ESR spectra for the triplet ground state nitroxide diradical and their molecular structure in the magnetically diluted single crystal (Grad. Sch. Sci., Osaka City Univ.) NAKAZAWA, Shigeaki; KAWAMORI, Moeko; SUGISAKI, Kenji; TOYOTA, Kazuo; SHIOMI, Daisuke; SATO, Kazunobu; OMUKAI, Kousuke; FURUI, Takanori; KURATSU, Masato; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji; TAKUI, Takeji
- 1D2-28*** Preparation of single crystal samples without crystallization using porous complexes: procedures, scope and limitation (Grad. Sch. Eng., The Univ. of Tokyo; JST CREST) INOKUMA, Yasuhide; YOSHIOKA, Shota; ARAI, Tatsuhiko; FUJITA, Makoto
- 1D2-30** Magnetic Properties of Li1-xCoO2 Cathode Active Material in Lithium-Ion Rechargeable Battery (Grad. Sch. Sci., Osaka City Univ.) OKUBO, Kazuhiro; KANZAKI, Yuki; TOYOTA, Kazuo; SHIOMI, Daisuke; MORITA, Yasushi; TAKUI, Takeji; SATO, Kazunobu

Nonlinear Optics

Chair: NAKAZAWA, Shigeaki (14 : 10 ~ 15 : 10)

* 14:00-14:10: interval for laptop PC connection.(1D2-32, 1D2-34, 1D2-35, 1D2-36, 1D2-37)

- 1D2-32*** Theoretical study on dynamic second hyperpolarizabilities of open-

shell singlet molecules (Grad. Sch. Eng. Sci., Osaka Univ.) NAKANO, Masayoshi

- 1D2-34** Theoretical investigation of intramolecular charge transfer effects on the diradical character and second hyperpolarizabilities of symmetric open-shell singlet systems (Grad. Sch. Eng. Sci., Osaka Univ.) FUKUDA, Kotaro; NAKANO, Masayoshi

- 1D2-35** Theoretical study on the diradical character and the second hyperpolarizability of cyclic thiazyl radical dimers (Sch. Eng. Sci., Osaka Univ.) MATSUI, Hiroshi; FUKUDA, Kotaro; HIROSAKI, Yuta; TAKAMUKU, Shota; KISHI, Ryohei; SHIGETA, Yasuteru; NAKANO, Masayoshi

- 1D2-36** Theoretical study of the correlation between diradical character and electron dynamics in open-shell molecular systems (Grad. Sch. Eng. Sci., Osaka Univ.) MORITA, Keisuke; KISHI, Ryohei; NAKANO, Masayoshi

- 1D2-37** Theoretical study on the open-shell singlet nature and the second hyperpolarizabilities of symmetric and asymmetric N-annulated perylene oligomers (Sch. Eng. Sci., Osaka Univ.) UEDA, Kohei; FUKUDA, Kotaro; MATSUI, Hiroshi; HIROSAKI, Yuta; TAKAMUKU, Shota; NAKANO, Masayoshi

Chair: KURASHIGE, Yuki (15 : 20 ~ 16 : 20)

* 15:10-15:20: interval for laptop PC connection.(1D2-39, 1D2-40, 1D2-41, 1D2-42, 1D2-44)

- 1D2-39** The effect of substitution of the radical center of open-shell singlet condensed-ring conjugated systems by main group elements on the nonlinear optical properties (Grad. Sch. Eng. Sci., Osaka Univ.) HIROSAKI, Yuta; FUKUDA, Kotaro; MATSUI, Hiroshi; TAKAMUKU, Shota; UEDA, Kouhei; KISHI, Ryohei; NAKANO, Masayoshi

- 1D2-40** Theoretical study on the relationship between diradical characters and third-order nonlinear optical properties of hetero-nuclear transition-metal chains (Sch. Eng. Sci., Osaka Univ.) TAKAMUKU, Shota; YAMADA, Taishi; NAKANO, Masayoshi

- 1D2-41** Theoretical study on the diradical characters and third-order nonlinear optical properties of transition-metal dinuclear model complexes involving axial ligands (Sch. Eng. Sci., Osaka Univ.) YAMADA, Taishi; TAKAMUKU, Shota; NAKANO, Masayoshi

- 1D2-42*** Theoretical study on the ground- and excited-state electronic structures and optical response properties of open-shell species involving cyclopentane-1,3-diradical structure (Grad. Sch. Sci., Osaka Univ.; Grad. Sch. Sci., Hiroshima Univ.) KISHI, Ryohei; MURATA, Yusuke; SAITO, Michika; FUKUDA, Kotaro; MATSUI, Hiroshi; TAKAMUKU, Shota; ABE, Manabu; NAKANO, Masayoshi

- 1D2-44** Theoretical study on the donor/accepter substitution effects on open-shell character and nonlinear optical properties of open-shell species involving cyclopentane-1,3-diradicals (Sch. Eng. Sci., Osaka Univ.) SAITO, Michika; KISHI, Ryohei; FUKUDA, Kotaro; MATSUI, Hiroshi; TAKAMUKU, Shota; ABE, Manabu; NAKANO, Masayoshi

SERS

Chair: KISHI, Ryohei (16 : 30 ~ 17 : 20)

* 16:20-16:30: interval for laptop PC connection.(1D2-46, 1D2-47, 1D2-48, 1D2-49)

- 1D2-46#** Tip-enhanced Raman spectroscopy of local nanostructures of graphene grown on SiC (Kwansei Gakuin Univ.) VANTASIN, Sanpon; SUZUKI, Toshiaki; KUTSUMA, Yasunori; ASHIDA, Koji; KANEKO, Tadaaki; OZAKI, Yukihiro

- 1D2-47** Investigation of crystallinity of ethylene propylene diene terpolymer (EPDM) rubber/carbon nanotube (CNT) polymernanocomposites using tip-enhanced Raman scattering (TERS) (Sch. Sci. Tech., Kwansei Gakuin Univ.) HIANGA, Ryohei; SUZUKI, Toshiaki; OZAKI, Yukihiro

- 1D2-48** High sensitive SERS detection of antigen-antibody reaction using silver hexagonal columns-shaped nano structure on metal alloy (Sch. Sci. Tech., Kwansei Gakuin Univ.) ARAKI, Daichi; HASEGAWA, Yuki; HASEGAWA, Katsuyuki; YAMAMOTO, Yuko; ITO, Tamitake; KITAHAMA, Yasutaka; OZAKI, Yukihiro

- 1D2-49*** In situ measurement of polarization dependence and AFM of near-field photo-reduced plasmonic device (Sch. Sci. Tech., Kwansei Gakuin Univ.) KITAHAMA, Yasutaka; IKEMACHI, Takuya; SUZUKI, Toshiaki; OZAKI, Yukihiro

Friday, March 28, AM

Gas-Phase Spectroscopy

Chair: FUKUSHIMA, Masaru (9 : 40 ~ 10 : 40)

* 9:30-9:40: interval for laptop PC connection.(2D2-05, 2D2-07, 2D2-08, 2D2-10)

- 2D2-05**** Study of π hydrogen-bonded structure by 3-dimensional acceptor: IR spectroscopy of pyrrole binary clusters (Grad. Sch. Mat. Sci., Univ. of Hyogo) MATSUMOTO, Yoshiteru; MURAKAMI, Sunao; HONMA, Kenji; TSUZUKI, Seiji

- 2D2-07** IR absorption spectroscopy of pyrrole-ethyl methyl ketone binary cluster: Effect of carbon chain length on NH...O=C hydrogen bond (Grad. Sch. Mat. Sci., Univ. of Hyogo) KAMEYAMA, Yuuta; MATSUMOTO,

Yoshiteru; HONMA, Kenji

- 2D2-08*** Pressure broadening coefficient measurements of hydroperoxy radical in the mid-infrared region (Grad. Sch. Frontier Sci., The Univ. of Tokyo) MINAMIDA, Maya; TSUKIYAMA, Koichi; TONOKURA, Kenichi
- 2D2-10** Gas phase spectroscopy of dopamine —new laser desorption technique for hydrochloride salt— (Sch. Sci., Kitasato Univ.; Chem. Res. Lab., Tokyo Tech) WARASHINA, Taichi; SOHN, Woon yong; ISHIIUCHI, Shunichi; ISHIKAWA, Haruki; FUJII, Masaaki

Chair: MATSUMOTO, Yoshiteru (10 : 50~11 : 40)

- * 10:40-10:50: interval for laptop PC connection.(2D2-12, 2D2-13, 2D2-15)
- 2D2-12** Photoabsorption spectrum of the chromium dimer cation (Genesis Research Institute, Inc. East Tokyo Laboratory; Grad. Sch. Nanobioscience, Yokohama City Univ.; Toyota Technological Institute Cluster Research Laboratory; Fac. Sci., Kyushu Univ.) EGASHIRA, Kazuhiro; YAMADA, Yurika; KITA, Yukiumi; TACHIKAWA, Masanori; TERASAKI, Akira
- 2D2-13*** LIF jet spectroscopy of metal containing free radical (Fac. Info. Sci., Hiroshima City Univ.) FUKUSHIMA, Masaru; ISHIWATA, Takashi
- 2D2-15*** A new type of vibronic interaction in the nitrate free radical NO₃ (SOKENDAI The Central Office(Prof. Emeritus)) HIROTA, Eizi

Friday, March 28, PM

IR/Raman

Chair: MORISAWA, Yusuje (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2D2-28, 2D2-29, 2D2-30, 2D2-31, 2D2-32)
- 2D2-28** Frequency and intensity of overtone of NH stretching vibration of 7-Azaindole (Kumamoto National College of Technology Department of Biological and Chemical Systems Engineering) FUTAMI, Yoshisuke; OZAKI, Yasushi; HAMADA, Yoshiaki; OZAKI, Yukihiko
- 2D2-29** Stable structure of toluene dimer studied by Global Reaction Route Mapping (GRRM): Intermolecular interaction between the CH₃ group and π electron system (Grad. Sch. Sci. and Technol., Gakushuin Univ.) OMORI, Kio; MORIYAMA, Ryo; NAKAYAMA, Hideyuki; ISHII, Kikujiro
- 2D2-30** Molecular Orientation of P3HT Dependent on a Substrate Studied by Infrared Spectroscopy (ICR, Kyoto Univ.) SHIOYA, Nobutaka; SHIMOAKA, Takafumi; HASEGAWA, Takeshi
- 2D2-31*** Microstructure Characterization of Porous PMMA Thin films with Multifocus Raman Microscopy (Fac. Sci., Gakushuin Univ.) SAMUEL, Ashok zachariah; YABUMOTO, Sohshi; KAWAMURA, Kenichi; IWATA, Koichi
- 2D2-32**** Raman Spectroscopic Investigations of Surfactant Gelation Induced by Aromatic Carboxylic Acids and Their Salts: A Molecular Perspective (Fac. Sci., Gakushuin Univ.) SAMUEL, Ashok zachariah; IWATA, Koichi

Chair: FUJISAWA, Tomotsumi (14 : 40~15 : 30)

- * 14:30-14:40: interval for laptop PC connection.(2D2-35, 2D2-36, 2D2-38, 2D2-39)
- 2D2-35** Analysis of Hydration Structure in a Nafion Membrane by Infrared Spectroscopy (ICR, Kyoto Univ.) SHIMOAKA, Takafumi; WAKAI, Chihiro; HASEGAWA, Takeshi

Electronic Spectrum

- 2D2-36*** Concentration dependence of X-ray absorption for binary solutions contains water molecule (RIKEN Spring-8 Center) TOKUSHIMA, Takashi; HORIKAWA, Yuka; SHIN, Shik
- 2D2-38** Electronic Transition and Molecular aggregates of Liquid Benzene Studied by Using Attenuated Total Reflection Far-Ultraviolet Spectroscopy and Quantum Chemical Calculations (Sch. Sci. Tech., Kwansai Gakuin Univ.) UEMATSU, Yuuki; MORISAWA, Yusuke; EHARA, Masahiro; OZAKI, Yukihiko
- 2D2-39** Alternation of electronic state on surface of Polyethylene during annealing. (Fac. Sci. Eng., Kinki Univ.; Sch. Sci. Tech., Kwansai Gakuin Univ.; IMS) MORISAWA, Yusuke; TANIMURA, Erika; EHARA, Masahiro; OZAKI, Yukihiko

Bio-Molecules

Chair: NIHONYANAGI, Satoshi (15 : 40~16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(2D2-41, 2D2-42, 2D2-43, 2D2-45)
- 2D2-41** Infrared study of the Ca²⁺-bound coordination structure of tobacco K⁺ channel (NTPK1) (Tokyo Med. and Dental Univ. College of Liberal Arts and Sciences; Grad. Sch. Agricultural and Life Sci., The Univ. of Tokyo; AIST Biomedical Research Institute; Grad. Sch. Eng., Tohoku Univ.) HIRACHI, Wataru; MIYAKAWA, Takuya; SHOJIMA, Tomoki; MORII, Hisayuki; UOZUMI, Nobuyuki; TANOKURA, Masaru; NARA, Masayuki
- 2D2-42** Microscope FT-IR Study on Molecular Structure of Protein and Droplets Viscid on Spiral Stands of Spider's Orb-web (Nagoya City Univ. Graduate School of Natural Sciences) YABE, Hironobu; KATAYAMA, Norihisa; MIYAZAWA, Mitsuhiro
- 2D2-43*** Initial reaction process of cytochrome c oxidase by time-resolved

vibrational spectroscopy (Univ. of Hyogo) NAKASHIMA, Satoru; KUBO, Minoru; ISHIGAMI, Izumi; ITOH-SHINZAWA, Kyoko; YOSHIKAWA, Shinya; OGURA, Takashi

- 2D2-45** Oxygen-specific Structural Change of Oxygen Sensor Protein FixL: a Study by Site-Directed Mutagenesis and Ultraviolet Resonance Raman Spectroscopy (Grad. Sch. Sci., Osaka Univ.) YAMAWAKI, Takeo; ISHIKAWA, Haruto; MIZUNO, Misao; NAKAMURA, Hiro; SHIRO, Yoshitsugu; MIZUTANI, Yasuhisa

Chair: NAKASHIMA, Satoru (16 : 40~17 : 20)

- * 16:30-16:40: interval for laptop PC connection.(2D2-47, 2D2-48, 2D2-49)
- 2D2-47** Raman Optical Activity of Poly(L-proline) II Helix in Alanine Peptides (Grad. Sch. Sci. Eng., Saga Univ.) FURUTA, Masakazu; UNNO, Masashi; EGUCHI, Takahiro
- 2D2-48** Analysis of Solvated Secondary Structure of Poly-L-Alanine by Using Raman Optical Activity (Sch. Sci. Tech., Kwansai Gakuin Univ.) FURUKAWA, Tatsuya; YAMAMOTO, Shigeki; OZAKI, Yukihiko
- 2D2-49*** Time-resolved impulsive Raman study of the excited state structure of green fluorescent protein (RIKEN RAP) FUJISAWA, Tomotsumi; KURAMOCHI, Hikaru; TAKEUCHI, Satoshi; TAHARA, Tahei

Saturday, March 29, AM

Water at Interface

Chair: IWATA, Koichi (9 : 30 ~10 : 30)

- * 9:20-9:30: interval for laptop PC connection.(3D2-04, 3D2-06, 3D2-08, 3D2-09)
- 3D2-04*** First electronic transition of liquid water on alumina surface studied by variable-angle attenuated total reflection far-ultraviolet spectroscopy (Sch. Sci. Tech., Kwansai Gakuin Univ.) GOTO, Takeyoshi; IKEHATA, Akifumi; MORISAWA, Yusuke; OZAKI, Yukihiko
- 3D2-06*** Temperature dependence of the ferroelectricity and structure of ice films grown on Pt(111) (Grad. Sch. Sci., Kyoto Univ.) AIGA, Norihiko; OTSUKI, Yuji; SUGIMOTO, Toshiki; WATANABE, Kazuya; MATSUMOTO, Yoshiyasu
- 3D2-08** Study of the Water Bending Mode at the Air/Water Interface by Heterodyne-Detected Vibrational Sum Frequency Generation (RIKEN Molecular Spectroscopy Lab) NIHONYANAGI, Satoshi; KUNDU, Achintya; YAMAGUCHI, Shoichi; TAHARA, Tahei
- 3D2-09*** A Study on the Interaction of a Cell Penetrating Peptide with Lipid Monolayers Using Heterodyne-Detected Vibrational Sum Frequency Generation Spectroscopy (ASI, RIKEN) ADHIKARI, Aniruddha; NIHONYANAGI, Satoshi; YAMAGUCHI, Shoichi; TAHARA, Tahei

Liquid Interface

Chair: NARA, Masayuki (10 : 40~11 : 40)

- * 10:30-10:40: interval for laptop PC connection.(3D2-11, 3D2-13, 3D2-14, 3D2-15)
- 3D2-11*** Ultrafast vibrational dynamics at a zwitterionic lipid/water interface by two-dimensional heterodyne-detected vibrational sum frequency generation spectroscopy (ASI, RIKEN) INOUE, Ken-ichi; SINGH, Prashant; NIHONYANAGI, Satoshi; YAMAGUCHI, Shoichi; TAHARA, Tahei
- 3D2-13** Ultra-slow relaxation process of the surface structure of dicationic ionic liquids ([C_n(MIm)₂][TFSA]₂) (Grad. Sch. Sci., Nagoya Univ.; Grad. Sch. Sci., Eng., Tokyo Tech) SAKAI, Yasunari; TOBITA, Natsuko; MANDAI, Toshihiko; NISHIKAWA, Keiko; KIM, Doseok; OUCHI, Yukio
- 3D2-14*** Attempting Heterodyne-Detected Vibrational Sum Frequency Generation Spectroscopy of a "Buried" Silica/Water Interface (ASI, RIKEN) MYALITSIN, Anton; NIHONYANAGI, Satoshi; YAMAGUCHI, Shoichi; TAHARA, Tahei
- 3D2-15**** Formation of worm-like micelle in mixed lecithin aqueous solutions (Grad. Sch. Marine Sci. and Technol., Tokyo Univ. of Marine Sci. and Technol.) MATSUKAWA, Shingo; FAFAUNGWITHAYAKUL, Natdani

Saturday, March 29, PM

Solid Surface

Chair: KATO, Hiroyuki (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(3D2-25, 3D2-26, 3D2-27, 3D2-28, 3D2-29, 3D2-30)
- 3D2-25** Adsorption of molecules on Cu(410) stepped surface (Grad. Sch. Sci., Osaka Univ.) MAKINO, Takamasa; OKADA, Michio
- 3D2-26** Vibrational and electronic structure of dibenzopentacene on Au(111) (Grad. Sch. Arts and Sci., The Univ. of Tokyo) SUZUKI, Atsushi; SATO, Hirofumi; AOKI, Masaru; SHUDO, Ken-ichi; MASUDA, Shigeru
- 3D2-27** Characterization of complex-based gap states for potassium-doped dibenzopentacene thin film (Grad. Sch. Arts and Sci., The Univ. of Tokyo) SATO, Hirofumi; MIHARA, Shimon; SUZUKI, Atsushi; AOKI, Masaru; MASUDA, Shigeru
- 3D2-28** Electronic structure of (1×1)TiO₂ ultrathin film on Ag(110) (Rikkyo Univ. Faculty of science, chemical department) SUGIZAKI, Yuichi; MASUDA, Seigo; NAKAMURA, Takuya; ISIDA, Shuhei; KAKEFUDA,

Yohei; OZAWA, Kenichi; EDAMOTO, Kazuyuki

3D2-29 Resonant photoemission spectroscopy study of Fe₂P(0001) (Coll. Sci., Rikkyo Univ.) EDAMOTO, Kazuyuki; SUGIZAKI, Yuichi; ISHIDA, Shuhei; KAKEFUDA, Yohei**3D2-30** Surface electronic structures of transition metal phosphides (Coll. Sci., Rikkyo Univ.) ISHIDA, Shuhei; SUGIZAKI, Yuichi; NAKAMURA, Takuya; KAKEFUDA, Yohei; EDAMOTO, Kazuyuki

Chair: EDAMOTO, Kazuyuki (14 : 10~15 : 00)

* 14:00-14:10: interval for laptop PC connection.(3D2-32, 3D2-33, 3D2-34, 3D2-36)

3D2-32 Dispersion of the unoccupied state on PbPc/HOPG investigated by micro-AR2PPE spectroscopy (Grad. Sch. Sci., Osaka Univ.) KAWAKITA, Noriaki; WATANABE, Yu; YAMADA, Takashi; KATO, Hiroyuki; MUNAKATA, Toshiaki**3D2-33** 2 photon photoemission electron microscopy for rubrene/graphite (Sch. Sci., Osaka Univ.) WAKAYAMA, Kyohei; UDHARDT, Christian; UEBA, Takahilo; YAMADA, Takashi; KATO, Hiroyuki; MUNAKATA, Toshiaki**3D2-34*** Electron Excitation and Decay Dynamics at the Interface between Rubrene on Graphite Studied by Two-Photon Photoemission Spectroscopy (Grad. Sch. Sci., Osaka Univ.) UEBA, Takahilo; TERAWAKI, Rie; YAMADA, Takashi; KATO, Hiroyuki; MUNAKATA, Toshiaki**3D2-36** Withdrawn

Chair: MASUDA, Shigeru (15 : 10~16 : 10)

* 15:00-15:10: interval for laptop PC connection.(3D2-38, 3D2-40, 3D2-42)

3D2-38* Visualization of Ce Oxidation States in Single Pt/Ce₂Zr₂O₈ Catalyst Particles by Scanning nano-XAFS using Hard X-ray Nanobeam (RCMS, Nagoya Univ.; IMS; Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications; JASRI) ISHIGURO, Nozomu; URUGA, Tomoya; SEKIZAWA, Oki; TSUJI, Takuya; SUZUKI, Motohiro; KAWAMURA, Naomi; MIZUMAKI, Masaichiro; NITTA, Kiyofumi; YOKOYAMA, Toshihiko; TADA, Mizuki**3D2-40*** Dissociation and reaction of CO₂ on vicinal Cu surfaces (ISSP, The Univ. of Tokyo) KOITAYA, Takanori; SHIOZAWA, Yuichiro; MUKAI, Kozo; YOSHIMOTO, Shinya; YOSHINOBU, Jun**3D2-42*** Adsorption and reaction of oxygen molecules on Pt(997) at very low temperature (ISSP, The Univ. of Tokyo) NORITAKE, Hiroyuki; YOSHIMOTO, Shinya; MUKAI, Kozo; KOITAYA, Takanori; SHIOZAWA, Yuichiro; KIKUCHI, Hirokazu; YOSHINOBU, Jun

Room D3

School of Engineering - Bldg. 2 231

Physical Chemistry -Properties-

Thursday, March 27, PM

Proton

Chair: FURUKAWA, Ko (12 : 40~13 : 40)

* 12:30-12:40: interval for laptop PC connection.(1D3-23, 1D3-24, 1D3-25, 1D3-26, 1D3-27)

1D3-23 Development of the Hydrogen Ion Beam Apparatus and Study on the Irradiation Effect (Grad. Sch. Sci., Kyoto Univ.) NAKAYAMA, Ryo; MAESATO, Mitsuhiro; KITAGAWA, Hiroshi**1D3-24** Proton Conductive Mechanism of Hydrogen-Bonding Molecular Crystals of Phosphate (IMRAM, Tohoku Univ.) YOSHII, Yuya; TAKEDA, Takashi; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki**1D3-25** Dynamic behavior of proton in a single crystal with one dimensional asymmetric nano-channel (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Grad. Sch. Sci., Hokkaido Univ.) MIYAZAKI, Kentaro; KAGEYAMA, Yoshiyuki; MARUTA, Goro; TAKEDA, Sadamu**1D3-26** Synthesis, Structure and Properties of Novel Organic Conductors based on pi-Extended Catechol-fused TTF Derivatives (ISSP, The Univ. of Tokyo) UEDA, Akira; MORI, Hatsumi**1D3-27*** Phase Transition with Accompanying the change of donor arrangement of novel hydrogen-bonded unit type organic conductor [H₃(Cat-EDO-TTF)₃]BF₄ (Grad. Sch. Frontier Sci., The Univ. of Tokyo) YOSHIDA, Junya; UEDA, Akira; NAKAO, Akiko; KUMAI, Reiji; NAKAO, Hironori; MURAKAMI, Yoichi; MORI, Hatsumi

Magnetism and conductivity

Chair: UEDA, Akira (13 : 50~14 : 50)

* 13:40-13:50: interval for laptop PC connection.(1D3-30, 1D3-32, 1D3-33, 1D3-34, 1D3-35)

1D3-30* Physical properties of the π -d molecular conductors (DIETSe) 2MBr₄Cl₄(1-x) [M = Ga, Fe] under high pressure and magnetic field (Grad. Sch. Sci., Kyoto Univ.; Nagaoka Univ. of Tech.; JST-CREST;

NHMFL) KAWAGUCHI, Genta; MAESATO, Mitsuhiro; IMAKUBO, Tatsuro; KITAGAWA, Hiroshi; GRAF, David; KISWANDHI, Andhika; S. BROOKS, James

1D3-32 Electromagnetic Properties of Molecular Kondo System, [Ni_xCu_{4-x}(tmdt)₂] (Coll. Hum. Sci., Nihon Univ.; Nat. Def. Acad. Dept. Appl. phys; Hiroshima Institute of Technology Engineering department) KOBAYASHI, Hayao; YASUZUKA, Syuma; IDOBATA, Yuki; ZHOU, Biao; KENICHI, Katoh; CUI, Hengbo; KATO, Reizo; TOKUMOTO, Madoka; KOBAYASHI, Akiko**1D3-33** Synthesis and Physical Properties of Single-component Molecular Conductor, [Pd(tmdt)₂] (Grad. Sch. Integrated Basic Sci., Nihon Univ.) OGURA, Satomi; ZHOU, Biao; IDOBATA, Yuki; KOBAYASHI, Akiko; KOBAYASHI, Hayao**1D3-34** Antiferromagnetic ordering in diamond-type spin system : (ET)Ag₄(CN)₅ (Meijo Univ. Fac. of Agric.; Grad. Sch. Sci., Nagoya Univ.; Grad. Sch. Sci., Kyoto Univ.; LTM, Kyoto Univ.) HIRAMATSU, Takaaki; SHIMIZU, Yasuhiro; MAESATO, Mitsuhiro; OTSUKA, Akihiro; YAMOCHI, Hideki; YOSHIDA, Yukihiko; SAITO, Gunzi**1D3-35** Spin Dynamics for Donor-Acceptor-type Covalent Organic Framework (Center for Inst. Anal., Niigata Univ.) FURUKAWA, Ko; SAKUMA, Shun; JIN, Shangbin; CHEN, Long; JIANG, Donglin; NAKAMURA, Toshikazu

New material

Chair: TAKAHASHI, Kazuyuki (15 : 00~16 : 00)

* 14:50-15:00: interval for laptop PC connection.(1D3-37, 1D3-38, 1D3-39, 1D3-40, 1D3-41, 1D3-42)

1D3-37 Development of photofunctional materials using TTF-fluorenone dyads (Fac. Sci., Osaka Pref. Univ.) KISHI, Yosuke; TSUJIMOTO, Keijiro; FUJIWARA, Hideki**1D3-38** Synthesis and physical property of TTF-dipyrromethene transition metal complexes (Fac. Sci., Osaka Pref. Univ.) NAKAGAWA, Takahiro; OGASAWARA, Reiko; TSUJIMOTO, Keijiro; FUJIWARA, Hideki**1D3-39** Synthesis and physical properties of an organoiron complex [(Cp*₂(dppe)Fe-C≡C)2(Me₂TTF)] (Grad. Sch. Sci. Eng., Univ. of Toyama; University of Rennes 1) MIYAZAKI, Akira; KUMAMOTO, Yuki; MAKHOUL, Rim; JUSTAUD, Frederic; LAPINTE, Claude**1D3-40** Structures and properties of molecular conductors based on DT-DSDTF with steric hindrance substituents (Grad. Sch. Sci., Eng., Ehime Univ.) FURUTA, Keisuke; KOHNO, Shuhei; SHIRAHATA, Takashi; MISAKI, Yohji**1D3-41** Structure and Properties of New Anionic Organic Radicals and their Charge-transfer Salts (Grad. Sch. Mat. Sci., Univ. of Hyogo) AKUTSU, Hiroki; KOBAYASHI, Kenji; YAMADA, Jun-ichi; NAKATSUJI, Shin'ichi**1D3-42** Structures and Properties of Octamethylferrocenedisulfonate and its charge-transfer salts (Grad. Sch. Mat. Sci., Univ. of Hyogo) HASHIMOTO, Ryuichiro; AKUTSU, Hiroki; YAMADA, Jun-ichi; NAKATSUJI, Shin'ichi

Light, Spin-crossover

Chair: TAKEDA, Sadamu (16 : 10~17 : 00)

* 16:00-16:10: interval for laptop PC connection.(1D3-44, 1D3-45, 1D3-46, 1D3-47, 1D3-48)

1D3-44 Analysis of charge transport property in triphenylamine derivative films using impedance spectroscopy (Fac. Eng., Chiba Univ.) ISHII, Keita; MAKI, Kouta; NAKAMURA, Kazuki; KOBAYASHI, Norihisa**1D3-45** μ SR Study on the Spin Equilibrium of the Iron(II) Spin-Crossover Complexes (Grad. Sch. Arts and Sci., The Univ. of Tokyo; RIKEN) KOBAYASHI, Hiroaki; OKAZAWA, Atsushi; KOJIMA, Norimichi; KAWASAKI, Ikuto; WATANABE, Isao**1D3-46** Unusual structural phase transition of spin crossover conductor introducing halogen bond interactions (Grad. Sch. Sci., Kobe Univ.) FUKUROI, Kappei; TAKAHASHI, Kazuyuki; SAKURAI, Takahiro; OHTA, Hitoshi**1D3-47** Crystal Structure and Physical Properties of an Fe(II) Spin Crossover Complex involving a Magnetic Anion (Grad. Sch. Sci., Kobe Univ.) OKAI, Mitsunobu; TAKAHASHI, Kazuyuki; SAKURAI, Takahiro; OHTA, Hitoshi**1D3-48** Syntheses and Properties of Multifunctional Complexes from a Novel Spin Crossover Anion (Grad. Sch. Sci., Kobe Univ.) TAKAHASHI, Kazuyuki; KAWAMUKAI, Kiko; OKAI, Mitsunobu; SAKURAI, Takahiro; OHTA, Hitoshi; YAMAMOTO, Takashi; EINAGA, Yasuaki

Organic radical, Theory

Chair: KOJIMA, Norimichi (17 : 10~17 : 50)

* 17:00-17:10: interval for laptop PC connection.(1D3-50, 1D3-51, 1D3-52, 1D3-53)

1D3-50 Crystal structures and physical properties for stable radical species of thiadiazole dioxide compounds (Grad. Sch. Sci., Nagoya Univ.) SHUKU, Yoshiaki; SUIZU, Rie; AWAGA, Kunio**1D3-51** Electronic structures and magnetic properties of novel indole trimers carrying three nitronyl nitroxides (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) ISHII, Yudai; MATSUSHITA, Michio m.; AWAGA, Kunio**1D3-52** Theoretical calculations of zero-field splitting parameter D for single

molecular magnets and its applications (Grad. Sch. Sci., Osaka Univ.) KAWAKAMI, Takashi; YOSHIMURA, Shohei; KINOSHITA, Keiji; KITAGAWA, Yasutaka; YAMANAKA, Shusuke; YAMAGUCHI, Kizashi; OKUMURA, Mitsutaka

- 1D3-53** Theoretical studies of magnetic interaction between f- π electrons in TbPc2 complex (Grad. Sch. Sci., Osaka Univ.) KITAGAWA, Yasutaka; KURAHASHI, Hiroyuki; YOSHIMURA, Shohei; KATO, Keiichi; KAWAKAMI, Takashi; YAMANAKA, Shusuke; YAMASHITA, Masahiro; OKUMURA, Mitsutaka

Friday, March 28, AM

Nano-properties

Chair: YOSHIDA, Hiroyuki (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2D3-01, 2D3-02, 2D3-03, 2D3-04, 2D3-06)

- 2D3-01** Conductance of cytochrome c_3 molecule probed by conductive AFM (Sch. Sci., Osaka Univ.) SUMIDA, Saki; CHE, Dock-chil; MATSUMOTO, Takuya
- 2D3-02** Electric Properties of Cytochrome c_3 Network (Grad. Sch. Sci., Osaka Univ.) YAMAGUCHI, Harumasa; CHE, Dock-chil; HIRANO, Yoshiaki; MATSUMOTO, Takuya
- 2D3-03** Crystal structure dependence of electronic excited state dynamics in Dinaphtho[2,3-b:2',3'-b']Thieno[3,2-b]Thiophene thin films (Grad. Sch. Sci., Kyoto Univ.) TANAKA, Shunsuke; MIYATA, Kiyoshi; SUGIMOTO, Toshiaki; WATANABE, Kazuya; UEMURA, Takafumi; KANG, Myeong jin; TAKIMIYA, Kazuo; KUWABARA, Hirokazu; HAMADA, Masahiro; TAKEYA, Jun-ichi; MATSUMOTO, Yoshiyasu
- 2D3-04*** Adsorbate structure of water Adsorbate structure of water molecules and carrier dynamics in anatase titania nanoparticles and carrier dynamics in anatase titania nanoparticles (Grad. Sch. Sci., Kyoto Univ.) SHIRAI, Kenji; SUGIMOTO, Toshiaki; WATANABE, Kazuya; MATSUMOTO, Yoshiyasu
- 2D3-06** Charge transport through hetero-stacked pi-conjugated molecules (Grad. Sch. Sci., Eng., Tokyo Tech; Grad. Sch. Eng., The Univ. of Tokyo) FUJII, Shintaro; JIN, Xiangyin; KIGUCHI, Manabu; OSUGA, Takafumi; MURASE, Takashi; FUJITA, Makoto

Thin films

Chair: KIGUCHI, Manabu (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2D3-08, 2D3-10, 2D3-12, 2D3-13)
- 2D3-08*** Low Temperature Heat Capacity of the Monolayers of Partially Deuterated Molecules Adsorbed on Graphite (Osaka Univ.) INABA, Akira
- 2D3-10*** Enhancement of carrier mobility in oriented P3HT thin film aligned by rubbing (N-BARD, Hiroshima Univ.) KAJIYA, Daisuke; KOGANEZAWA, Tomoyuki; SAITOW, Ken-ichi
- 2D3-12** Role of bathocuproine (BCP) as an interfacial layer for organic devices studied by low-energy inverse photoemission spectroscopy (ICR, Kyoto Univ.) YOSHIDA, Hiroyuki
- 2D3-13** Different electrostatic polarization energies for positive and negative charges examined in thin films of pentacene and perfluoropentacene (ICR, Kyoto Univ.) YOSHIDA, Hiroyuki; YAMADA, Kazuto; TSUTSUMI, Jun'ya; SATO, Naoki

Molecular junction

Chair: SATO, Naoki (11 : 20 ~ 12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2D3-15, 2D3-17, 2D3-19, 2D3-20)
- 2D3-15*** Precise control and conductance measurement of single-molecule switch (Grad. Sch. Sci., Kyoto Univ.) KITAGUCHI, Yuya; HABUKA, Satoru; HATTA, Shinichiro; OKUYAMA, Hiroshi; ARUGA, Tetsuya
- 2D3-17*** Photochemical reaction on metal nano electrodes (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAZUMI, Tomoka; KIGUCHI, Manabu
- 2D3-19** Charge transport through single Au ion clusters and its control (Tokyo Tech) JIN, Xiangyin; FUJII, Shintaro; KIGUTI, Manabu; OSUGA, Takafumi; MURASE, Takashi; FUJITA, Makoto
- 2D3-20** Telluroate-protected Au₂₅ cluster: synthesis and structural characterization (Tokyo Univ. of Sci.) NISHIDO, Keisuke; KURASHIGE, Wataru; YAMAZOE, Seiji; YAMAGUCHI, Masaki; NOBUSADA, Katsuyuki; TSUKUDA, Tatsuya; NEGISHI, Yuichi

Friday, March 28, PM

Organic semiconductors

Chair: MATSUSHITA, Michio m. (13 : 30 ~ 14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2D3-28, 2D3-29, 2D3-31, 2D3-32, 2D3-33)
- 2D3-28** The effect of chemical modification on electric conductivity of Open-Singlet molecules by Green's function based elastic scattering theory (Grad. Sch. Sci., Osaka Univ.) KINOSHITA, Keiji; KAWAKAMI, Takashi; YOSHIMURA, Shohei; KITAGAWA, Yasutaka; YAMANAKA, Shusuke;

OKUMURA, Mitsutaka

- 2D3-29*** Neuron-Firing Generated by Intrinsic Noise in Single-Walled Carbon Nanotube/ Polyoxometalate Nanoparticle Network (Grad. Sch. Sci., Osaka Univ.) TANAKA, Hirofumi; ASAI, Tetsuya; KATAYOSE, Shinichi; HONG, Liu; SAKAI, Takashi; TANAKA, Daisuke; OGAWA, Takuji
- 2D3-31** Electronic Structure and Molecular Orientation of Cyclic Thiazyl Biradical BDTDA in Opto-Electronic Cells (Grad. Sch. Adv. Integration Sci., Chiba Univ.) SUIZU, Rie; MORIOKA, Kenta; AWAGA, Kunio; SAKAMOTO, Kazuyuki
- 2D3-32** Field-effect transistors using perylene single-crystals (Grad. Sch. Mat. Sci., Univ. of Hyogo) SHUNSUKE, Arima; FUMITAKA, Miyao; SEIICHI, Sato; HIROYUKI, Tajima
- 2D3-33** Unusual large photoconductivity observed in Ni-dmit complexes (Fac. Sci., Ehime Univ.) NAITO, Toshio; KARASUDANI, Tomoaki; NAGAYAMA, Naoki; OHARA, Keishi; KONISHI, Kensuke; MORI, Shigeaki; TAKANO, Takahiro; TAKAHASHI, Yukihiko; INABE, Tamotsu; KINOSE, Shota; NISHIHARA, Sadafumi; INOUE, Katsuya

Electrical properties

Chair: NAITO, Toshio (14 : 40 ~ 15 : 30)

- * 14:30-14:40: interval for laptop PC connection.(2D3-35, 2D3-36, 2D3-37, 2D3-38, 2D3-39)
- 2D3-35** Obvious Effect of Intermittent Appliance of Voltage to Rectifying Property of Diodes Based on ambipolar OFETs (Grad. Sch. Arts and Sci., The Univ. of Tokyo; Fac. Sci., Kanagawa Univ.; Fac. Sci., Univ. of Toyama; Grad. Sch. Sci., Nagoya Univ.) ITOH, Takuro; SUZUKI, Kentaro; TOYOTA, Taro; HIGUCHI, Hiroyuki; MATSUSHITA, Michio; SUGAWARA, Tadashi
- 2D3-36** Charge carriers in organic thin films studied by charge modulation spectroscopy (Grad. Sch. Eng., Hiroshima Univ.; Fac. Eng., Hiroshima Univ.) YAMAGUCHI, Ryohei; MIYATA, Masaru; TAKESHITA, Yuki; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
- 2D3-37** Crystal Structure and Electronic State of Novel 4-legged MX-tube typed Platinum-Palladium Mixed-Metal Complexes (Grad. Sch. Sci., Kyoto Univ.) OTAKE, Kenichi; OTSUBO, Kazuya; SUGIMOTO, Kunihisa; FUJIWARA, Akihiko; KITAGAWA, Hiroshi
- 2D3-38** Synthesis and Photophysical Properties of Covalently Linked Porphyrin-Graphene Systems with Oligophenylene Spacers (Grad. Sch. Eng., Kyoto Univ.) HANAOKA, Takuma; BAEK, Jinseok; UMEYAMA, Tomokazu; IMAHORI, Hiroshi
- 2D3-39** Spacer Effect on Photophysical Properties of Covalently Linked Porphyrin-Single-Walled Carbon Nanotube Systems (Grad. Sch. Eng., Kyoto Univ.) BAEK, Jinseok; UMEYAMA, Tomokazu; IMAHORI, Hiroshi

Carbon materials

Chair: TAKAGUCHI, Yutaka (15 : 40 ~ 16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(2D3-41, 2D3-42, 2D3-44, 2D3-45)
- 2D3-41#** Characterization of Edge structure and Electronic Properties of Fully Flattened Carbon Nanotubes (Grad. Sch. Sci., Nagoya Univ.) WANG, Qing; KITAURA, Ryo; SHINOHARA, Hisanori
- 2D3-42#** Unravelling inter-wall interactions on optical transition in double-wall carbon nanotubes (Grad. Sch. Sci., Nagoya Univ.; IAE, Kyoto Univ.) ZHAO, Sihan; KITAGAWA, Tomoya; MIYAUCHI, Yuhei; MATSUDA, Kazunari; SHINOHARA, Hisanori; KITAURA, Ryo
- 2D3-44** Carrier doping in π -conjugated polymers formed inside carbon nanotubes (Grad. Sch. Sci., Nagoya Univ.; Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) MIYAURA, Kenshi; MIYATA, Yasumitsu; YANAGI, Kazuhiro; OMACHI, Haruka; KITAURA, Ryo; SHINOHARA, Hisanori
- 2D3-45** tert-Butoxide-mediated functionalization of single-wall carbon nanotubes with iodoarenes (Grad. Sch. Sci., Nagoya Univ.) TSUBOI, Mika; OMACHI, Haruka; KITAURA, Ryo; SHINOHARA, Hisanori

Chair: YAMAMOTO, Hiroshi (16 : 40 ~ 17 : 20)

- * 16:30-16:40: interval for laptop PC connection.(2D3-47, 2D3-48, 2D3-49, 2D3-50)
- 2D3-47** Synthesis and separation of stable M@C₆₀ derivative functionalized with CF₃ groups (Nagoya Univ. Grad Sch Sci.) NIWA, Hiroyuki; WANG, Zhiyong; NAKANISHI, Yusuke; OMACHI, Haruka; KITAURA, Ryo; SHINOHARA, Hisanori
- 2D3-48** Diameter changes in single-wall carbon nanotube formation under magnetic fields (Fac. Sci., Shinshu Univ.) UCHIMURA, Jin; HAMASAKI, Atom; SAKAGUCHI, Ayumi; OZEKI, Sumio
- 2D3-49** Dispersion of Single-Walled Carbon Nanotubes Using Dihydropentacene Derivatives (1) (Grad. Sch. Env. Sci., Okayama Univ.) INOUE, Katsuya; HASEGAWA, Tatsuki; TAJIMA, Tomoyuki; TAKAGUCHI, Yutaka
- 2D3-50** Dispersion of Single-Walled Carbon Nanotubes Using Dihydropentacene Derivatives (2) (Grad. Sch. Env. Sci., Okayama Univ.) HASEGAWA, Tatsuki; INOUE, Katsuya; TAJIMA, Tomoyuki; TAKAGUCHI, Yutaka

Saturday, March 29, AM

Dielectric properties

Chair: ZHOU, Biao (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3D3-01, 3D3-02, 3D3-03, 3D3-04, 3D3-06)
- 3D3-01** Investigation of a new ferroelectric porous material (ASI, RIKEN) CUI, Hengbo; KATO, Reizo
- 3D3-02** Crystal Structure and Dielectric Properties of (4-aminopyridinium) (*trans-anti-trans*cyclohexano[18]crown-6[Ni(dmit)₂]) (Grad. Sch. Env. Sci., Hokkaido Univ.) WATANABE, Daiki; KUBO, Kazuya; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki; NORO, Shin-ichiro; NAKAMURA, Takayoshi
- 3D3-03** Crystal Structure and Physical Properties of Supramolecular Cations Having Multi Hydrogen Bonding Sites (Grad. Sch. Env. Sci., Hokkaido Univ.) YAMADA, Akihiro; KUBO, Kazuya; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki; NORO, Shin-ichiro; NAKAMURA, Takayoshi
- 3D3-04*** Structure and properties of luminescent stable methyl radical (Grad. Sch. Sci., The Univ. of Tokyo) HATTORI, Yohei; KUSAMOTO, Tetsuro; NISHIHARA, Hiroshi

Optical properties

- 3D3-06** Structures and physical properties of metal complexes with stable methyl radical ligands (Grad. Sch. Sci., The Univ. of Tokyo) KUSAMOTO, Tetsuro; NISHIHARA, Hiroshi

Chair: NISHIKIORI, Hiromasa (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3D3-08, 3D3-09, 3D3-10, 3D3-11, 3D3-12, 3D3-13)
- 3D3-08** Measurement of Chiroptical Properties of Nickel Sulfate Hexahydrate Crystal with G-HAUP (Sch. Advanced Sci. Eng., Waseda Univ.) TANIGUCHI, Takuya; ISHIKAWA, Kazuhiko; NAKAGAWA, Kenta; TANAKA, Masahito; ASAH, Toru
- 3D3-09** Spectroscopic Analysis the molecular interaction of thalidomide in the densely-distributed state (Center for Advanced Bio. Sci., Waseda Univ.) TORIYAMA, Hiroki; TAKADA, Nami; OGINO, Yoshiyuki; TANAKA, Masahito; SHIBATA, Norio; ASAH, Toru
- 3D3-10** Novel organic photocells operated by electric double layers in ionic liquids (Grad. Sch. Sci., Nagoya Univ.) ODAKA, Masato; FUKUOKA, Syou; DALGLEISH, Simon; AWAGA, Kunio
- 3D3-11** Molecular vibration effect on the dimer excited states in singlet fission (Grad. Sch. Eng. Sci., Osaka Univ.) ITO, Soichi; NAKANO, Masayoshi
- 3D3-12** Photochemical Behavior of stilbene dendrimer having two light harvesting chromophore (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) TAIMA, Masahiro; ARAI, Tatsuo
- 3D3-13** Photochemical Behavior of aromatic enediyne dendrimers (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ICHINO, Rina; ARAI, Tatsuo

Chair: ASAH, Toru (11 : 20 ~ 12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3D3-15, 3D3-16, 3D3-17, 3D3-18, 3D3-20)
- 3D3-15** Influence of Cu dispersion on photocatalytic activity of Cu-doped titania prepared using binary metal alkoxide (Shinshu Univ. Grad. Sch. Sci. Technol.; Shinko) IKEDA, Tomoaki; RUDI AGUS, Setiawan; NISHIKIORI, Hiromasa; KATAYAMA, Ryuhei; SHIMIZU, Yuichiro
- 3D3-16** Femtosecond spectroscopy and coherent acoustic phonon dynamics of Pd-Ag nanoplates (Sch. Sci. Tech., Kwansai Gakuin Univ.) SAKAGUCHI, Takuya; TAHARA, Kazuaki; OGAWA, Hitomi; TSUBOI, Motohiro; TAMAI, Naoto
- 3D3-17** Synthesis and exciton dynamics of CdTe nanoplatelets (Sch. Sci. Tech., Kwansai Gakuin Univ.) TOMIZAWA, Yuki; OKUHATA, Tomoki; TAMAI, Naoto
- 3D3-18*** Plasmonic waveguiding remote Raman nanoscopy: Toward biosensing (KULeuven Department of Chemistry) UJI-I, Hiroshi

Liquid and solution

- 3D3-20*** Different T_g and Cp-minimum behaviors found between 1,2-propanediol and 1-amino-2-propanol (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) SHEN, Yunting; NAGOE, Atsushi; OGUNI, Masaharu; KAWAJI, Hitoshi; FUJIMORI, Yuki

Saturday, March 29, PM

Chair: TAKAMUKU, Toshiyuki (13 : 30 ~ 14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3D3-28, 3D3-31, 3D3-33)
- 3D3-28** Young Scholar Lectures of CSJ Soft x-ray emission study of hydrogen bond of water molecules (RIKEN Spring-8 Center) TOKUSHIMA, Takashi
- 3D3-31*** Mixing Scheme in Aqueous Tetrahydrofuran Deduced from the High Order Derivatives of Gibbs Energy (Grad. Sch. Sci., Osaka Univ.) YOSHIDA, Koh; INABA, Akira; KOGA, Yoshikata

- 3D3-33** Studies on Structures and Dynamics of Water Confined in Mesoporous Silica by NMR (Grad. Sch. Sci., Eng., Tokyo Tech) FUKATSU, Yuta; TSUKAHARA, Takehiko; IKEDA, Yasuhisa

Chair: OHTA, Kazuchika (14 : 40 ~ 15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3D3-35, 3D3-36, 3D3-37, 3D3-38, 3D3-39, 3D3-40)
- 3D3-35** Anomerization of glucopyranose and mannopyranose in an aqueous solution investigated by NMR spectroscopy. (Grad. Sch. Sci., Hiroshima Univ.) KOSAKA, Ami; KATSUMOTO, Yukiteru; IDEI, Sakiko; AIDA, Misako
- 3D3-36** Structure of Aqueous Calcium Chloride Solutions under High Temperatures and High Pressures Studied by Energy Dispersive X-ray Diffraction (Grad. Sch. Sci. Eng., Saga Univ.; QBSC, JAEA) TAKAMUKU, Toshiyuki; YAGAFAROV, Oscar; KATAYAMA, Yoshinori; UMECKY, Tatsuya
- 3D3-37** Synthesis and properties of ionic liquids containing ruthenium complexes with monosubstituted benzene ligands (Grad. Sch. Sci., Kobe Univ.) KOMURASAKI, Aina; MOCHIDA, Tomoyuki
- 3D3-38** Preparation and Properties of Ionic Liquids from Ruthenium Sandwich Complexes with Long-Chain Alkoxy Groups (Grad. Sch. Sci., Kobe Univ.) UEDA, Takahiro; MOCHIDA, Tomoyuki
- 3D3-39** Preparation and Properties of Photoresponsive Ionic Liquids form Cationic Ruthenium Complexes (Grad. Sch. Sci., Kobe Univ.) FUNASAKO, Yusuke; MORI, Shotaro; MOCHIDA, Tomoyuki
- 3D3-40** Preparation and Properties of Ionic Liquids from Cationic Palladium Complexes (Grad. Sch. Sci., Kobe Univ.) HOSOKAWA, Hitoshi; FUNASAKO, Yusuke; MOCHIDA, Tomoyuki

Liquid crystal

Chair: MOCHIDA, Tomoyuki (15 : 50 ~ 16 : 40)

- * 15:40-15:50: interval for laptop PC connection.(3D3-42, 3D3-43, 3D3-44, 3D3-45, 3D3-46)
- 3D3-42** Discotic liquid crystal of organic transition metal complexes (112): Mesomorphism and alignment behavior of the phthalocyanine-fullerene dyads having alkoxy groups at m-position (Grad. Sch. Sci. Technol., Shinshu Univ.) ISHIKAWA, Kouhei; IGARASHI, Kenshaku; ONO, Kenta; OHTA, Kazuchika
- 3D3-43** Discotic liquid crystals of organic transition metal complex(113): mesomorphism and alignment behavior of dyads based on phthalocyanine having alkoxy chains and fullerene (Fac. Textile Sci. Technol., Shinshu Univ.) WATANABE, Naosi; ONO, Kenta; YOSIOKA, Miho; ISHIKAWA, Aya; OHTA, Kazuchika
- 3D3-44** Discotic liquid crystal of organic transition metal complexes (114): Synthesis of alkylthio-substituted phthalocyanine-fullerene dyads and chain length effect on their mesomorphism (Fac. Textile Sci. Technol., Shinshu Univ.) WATARAI, Ayumi; ISHIKAWA, Aya; ONO, Kenta; OHTA, Kazuchika
- 3D3-45** Flying-seed-like liquid crystals(5): Synthesis and mesomorphism of octaphenoxypthalocyanato copper(II)-based complexes (Fac. Textile Sci. Technol., Shinshu Univ.) ADACHI, Kaori; ISHIKAWA, Aya; YOSHIOKA, Miho; OHTA, Kazuchika
- 3D3-46** Study on molecular orientation of nematic liquid crystal in disclination by polarized imaging microscopic FT-IR spectroscopy (Grad. Sch. Nat. Sci., Nagoya City Univ.) MATSUMURA, Masanori; KATAYAMA, Norihisa

Chair: KATAYAMA, Norihisa (16 : 50 ~ 17 : 40)

- * 16:40-16:50: interval for laptop PC connection.(3D3-48, 3D3-50, 3D3-51, 3D3-52)
- 3D3-48*** Light-Induced Phase Transition of Bicontinuous Cubic Liquid Crystalline Compounds with Azobenzene Derivative (Fac. Eng., Gifu Univ.) MIWA, Yohei; HORI, Ryo; KUTSUMIZU, Shoichi
- 3D3-50** Phase Transition Behaviors and Physical Properties of Ferroelastic *n*-Alkylammonium Dihydrogen Phosphate (Sch. Eng., Tohoku Univ.) YASUDA, Akira; HOSHINO, Norihisa; TAKEDA, Takashi; AKUTAGAWA, Tomoyuki
- 3D3-51** Synthesis and Physical Properties of Alkylamide Substituted Pyrene Derivatives (IMRAM, Tohoku Univ.) ANETAI, Hayato; TAKEDA, Takashi; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki
- 3D3-52** Synthesis of Novel Siloxane-Containing Liquid Crystalline Compounds Forming a Stable 3D Network Structure (Fac. Eng., Gifu Univ.) TOKIWA, Issei; MIWA, Yohei; YAMAMURA, Yasuhisa; SAITO, Kazuya; KUTSUMIZU, Shoichi

Phase transition

Chair: HOSHINO, Norihisa (17 : 50 ~ 18 : 30)

- * 17:40-17:50: interval for laptop PC connection.(3D3-54, 3D3-56, 3D3-57)
- 3D3-54*** Thermodynamics of perfect solid and perfect liquid (v8) (Hosei University Faculty of Bioscience and Applied Chemistry) KATAOKA, Yosuke; YAMADA, Yuri
- 3D3-56** Evaluation of thermal properties of novel ammonium-type zwitterions and their phase behavior after mixing with water (Fac. Eng., Tokyo Univ. of

Agri. and Technol.) MIENO, Yuki; SAITA, Shohei; OHNO, Hiroyuki
3D3-57 Investigation of phase transition of CCl₄ in nanospaces by Neutron Diffraction (Grad. Sch. Sci. Technol., Shinshu Univ.; Ibaraki University) YOSHIMOTO, Masatsugu; IYAMA, Taku; HAMASAKI, Atom; OZEKI, Sumio; ISHIGAKI, Toru; HOSHIKAWA, Akinori

Room D4

School of Engineering - Bldg. 2 232

Physical Chemistry -Chemical Kinetics and Dynamics-

Thursday, March 27, PM

Chair: MURAKOSHI, Kei (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(1D4-25, 1D4-27, 1D4-29, 1D4-30)
- 1D4-25*** Fenton Reactions at Aqueous Interfaces (Kyoto Univ. The Hakubi Center) ENAMI, Shinichi
- 1D4-27*** Graphene defects serve as active catalytic sites for the electrochemical nitrate reduction (Grad. Sch. Eng., The Univ. of Tokyo) KAMIYA, Kazuhide; HASHIMOTO, Kazuhito; NAKANISHI, Shuji
- 1D4-29** Copper-nitrogen co-doped graphene as an efficient electrocatalyst for the oxidation of ammonia (Grad. Sch. Eng., The Univ. of Tokyo) YOSHIOKA, Tatsuhiro; ZHANG, Youzhuang; KAMIYA, Kazuhide; NAKANISHI, Shuji; HASHIMOTO, Kazuhito
- 1D4-30** The effect of adding hetero-metal ions to Fe-N co-doped graphene ORR electrocatalyst (Grad. Sch. Eng., The Univ. of Tokyo) KOSHIKAWA, Hiroyuki; KAMIYA, Kazuhide; HASHIMOTO, Kazuhito; NAKANISHI, Shuji

Chair: YOSHIHARA, Sachio (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(1D4-32, 1D4-33, 1D4-34, 1D4-35, 1D4-36, 1D4-37)
- 1D4-32[#]** In operando ambient pressure X-ray photoelectron spectroscopy studies of oxidation reaction on Pt nanoparticles (IMS) WANG, Heng; TAKAGI, Yasumasa; UEMURA, Yohei; SEKIZAWA, Oki; URUGA, Tomoya; TADA, Mizuki; IWASAWA, Yasuhiro; YOKOYAMA, Toshihiko
- 1D4-33[#]** Electrochemical synthesis of carbon nanomaterials at room-temperature in ionic liquid (Grad. Sch. Sci., Hokkaido Univ.) KIM, Jeheon; YASUDA, Satoshi; MURAKOSHI, Kei
- 1D4-34** Study on Dissolution Process of Biomass in Ionic Liquids by Confocal Raman Spectroscopy (Coll. Sci. Eng., Kanazawa Univ.) OSAWA, Koji; TAKAHASHI, Kenji
- 1D4-35** Magnetic Field Effects on the Decay Rates of a Photogenerated Biradical from a Phenothiazine-Viologen Compound in Ionic Liquids: Effects of Ionic Liquids on Rotational Motion (Grad. Sch. Eng., Kyushu Univ.) YONEMURA, Hiroaki; MORIFUJI, Toru; NAKASHIMA, Akio; YAMADA, Sunao
- 1D4-36** Magnetic field effects on photoinduced electron transfer reaction in ionic liquids (Grad. Sch. Sci., Eng., Saitama Univ.) YAGO, Tomoaki; ISHII, Yuya; WAKASA, Masanobu
- 1D4-37** Study on a Photochemical Reaction of an Anthraquinone Derivative with Poly(vinyl alcohol) in Aqueous Solution and Behavior of the Radicals Produced (Fac. Sci., Shizuoka Univ.) SHIRAIWA, Masahiro; FU, Zhebin; MURAI, Hisao

Chair: HARA, Yuhsuke (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(1D4-39, 1D4-40, 1D4-41, 1D4-42, 1D4-44)
- 1D4-39** Studies on the electrochemical reaction of boron doped diamond under magnetic field (No. 3) (Grad. Sch. Eng., Utsunomiya Univ.) YOSHIHARA, Sachio; HATAKEYAMA, Kyo
- 1D4-40** Reciprocating motion of a camphor disk with a N-stearoyl-p-nitroaniline monolayer (Grad. Sch. Sci., Hiroshima Univ.) UEDA, Tomoaki; MIYAJI, Tatsuya; NAKATA, Satoshi; KATSUMOTO, Yukiteru
- 1D4-41** Cooperative phenomena of a self-propelled system depending on the external field (Fac. Sci., Hiroshima Univ.) YOSHII, Miyu; NAKATA, Satoshi; UEDA, Tomoaki
- 1D4-42*** The self-propelled motor in couple with the Marangoni flow (Grad. Sch. Sci., Hiroshima Univ.) MATSUDA, Yui; SUEMATSU, J. nobuhiko; KITAHATA, Hiroyuki; NAKATA, Satoshi
- 1D4-44** Self-motion of water droplet in oil with unsaturated fatty acid as surfactant (Grad. Sch. Adv. Mathematics Sci., Meiji Univ.) SUEMATSU, Nobuhiko; DEGUCHI, Ayano; NAKATA, Satoshi

Chair: HONDA, Kazuhiro (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(1D4-46, 1D4-48, 1D4-49, 1D4-50, 1D4-51)
- 1D4-46*** Reactive dewetting of a droplet induced by the adsorption of surfactants on a glass surface (NRI, AIST) TAKENAKA, Yoshiko;

SUMINO, Yutaka; OHZONO, Takuya

- 1D4-48** Theoretical Consideration on force generation in BZ gel (Asahikawa Medical University Department of Chemistry) MAYAMA, Hiroyuki; HARA, Yusuke
- 1D4-49** Controlling Reaction Behavior of the Belousov-Zhabotinsky System by Stirring Condition Involving the Polymerization of Acrylonitrile (Fac. Sci. Tech., Keio Univ.) FURUE, Yuka; OKANO, Kunihiko; ASAKURA, Kouichi
- 1D4-50** Synchronization among two or three self-oscillating gels under compression (Grad. Sch. Sci., Hiroshima Univ.) EZAKI, Takato; NAKATA, Satoshi; SUZUKI, Shogo; KOBAYASHI, Ryo; ITO, Kentaro; HARA, Yusuke
- 1D4-51** Photochemical processes of benzoquinone photochemical oscillations (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) FUKUMURA, Yuki; AMEMIYA, Takashi; ITOH, Kiminori

Chair: SUEMATSU, Nobuhiko (17 : 40~18 : 30)

- * 17:30-17:40: interval for laptop PC connection.(1D4-53, 1D4-54, 1D4-55, 1D4-56, 1D4-57)
- 1D4-53** Analysis of synthetic mechanism of Ag nanoparticles using tannic acid (Fac. Education Human Sci., Yokohama Natl. Univ.) HIROTA, Tetsuya; SHIBATA, Kenichi; AMEMIYA, Takashi; ITOH, Kiminori
- 1D4-54** Instability of structure of iodine starch complex in the alkali aqueous solution (Fac. Eng., KAIT) HONDA, Kazuhiro
- 1D4-55** Effects of electrolytes on the Liesegang phenomena in calcium system. (Grad. Sch. Sci., Eng., Kagoshima Univ.) MOTOMURA, Marino; KAMINAGA, Akiko
- 1D4-56** Effect of oxygen species on bioluminescence pattern on the colony of *Escherichia coli* luminous transformants (KIT) KARATANI, Hajime; KAWAKAMI, Hajimu
- 1D4-57** Oscillatory reaction module (TUT) SASAKI, Satoshi; KATO, Ryutarou

Friday, March 28, AM

Chair: SUGAI, Toshiki (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2D4-01, 2D4-02, 2D4-03, 2D4-04, 2D4-06)
- 2D4-01** Real time probing of electron-core wave packet dynamics in Rydberg N₂ (Grad. Sch. Sci., Nagoya Univ.) TOIDA, Yuto; FUSHITANI, Mizuho; LEGARE, Francois; HISHIKAWA, Akiyoshi
- 2D4-02** Observation of association reaction of gaseous molecules in ultrashort intense laser fields (Grad. Sch. Sci., Nagoya Univ.) MATSUDA, Akitaka; TOZAWA, Hiroki; MATSUOKA, Junji; HISHIKAWA, Akiyoshi
- 2D4-03** Dissociative Photoionization Dynamics of C₆₀ Studied by Mass Resolved Velocity Map Imaging (IMS Dept. Photo-Mol.; SOKENDAI Sch. Phys. Sci.; Fac. Sci., Josai Univ.) KATAYANAGI, Hideki; MITSUKE, Koichiro
- 2D4-04*** Gas-Phase Conformations for biomolecular Ions Characterized by Proton Transfer Reactions (Grad. Sch. Nanobioscience, Yokohama City Univ.) NONOSE, Shinji; KAWASHIMA, Minami; ISONO, Hideo
- 2D4-06** Observation of solvent reorientation dynamics in p-cyanophenylpentamethylsilane-H₂O cluster by IR-UV double resonance spectroscopy (Fac. Sci., Tokyo Univ. of Sci.; Chem. Res. Lab., Tokyo Tech) MATSUYAMA, Saori; MIYAZAKI, Mitsuhiko; ISHIKAWA, Haruki; TSUKIYAMA, Koichi; FUJII, Masaaki

Chair: HISHIKAWA, Akiyoshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2D4-08, 2D4-09, 2D4-10, 2D4-11, 2D4-12)
- 2D4-08** Coulomb explosion of manganese ions in deacarbonyldimanganese under high intensity laser fields (Grad. Sch. Sci., Osaka City Univ.) MATSUMOTO, Takuya; NAKASHIMA, Nobuaki; YATSUHASHI, Tomoyuki
- 2D4-09** Cavity enhanced Raman spectra of protrusion formed in the course of collision of ethanol/water droplets (Fac. Sci., Gakushuin Univ.) SUZUKI, Tomoko; KOHNO, Jun-ya
- 2D4-10** Evaporative cooling of the micro-droplets generated in a vacuum (Grad. Sch. Sci., Kyushu Univ.) ANDO, Kota; ARAKAWA, Masashi; TERASAKI, Akira
- 2D4-11** Reaction of size-selected aluminum cluster cations with a mixture of O₂ and H₂O gases: Elementary reaction steps in the hydration process (Grad. Sch. Sci., Kyushu Univ.) KOHARA, Kei; ARAKAWA, Masashi; TERASAKI, Akira
- 2D4-12*** Oxidation Catalytic Properties Driven by Electrons Accumulated at Sub-Nano Interface between Monatomic-Layered Platinum Cluster Disk and Silicon Substrate (Toyota Technological Institute Cluster Research Laboratory; Genesis Research Institute, Inc. East Tokyo Laboratory) YASUMATSU, Hisato; FUKUI, Nobuyuki

Chair: TAHARA, Tahei (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2D4-15)
- 2D4-15** CSJ Award for Creative Works Development of Multi-color Laser IR Spectroscopy and Direct Observation of Intracluster Dynamics in Gas Phase (Chem. Res. Lab., Tokyo Tech) FUJII, Masaaki

Friday, March 28, PM

Chair: MAFUNE, Fumitaka (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2D4-28, 2D4-29, 2D4-30, 2D4-31, 2D4-32, 2D4-33)

2D4-28 Photodissociation imaging of Mg+ICH₃ complex with a reflectron mass spectrometer (Sch. Sci., Tohoku Univ.) YAMAZAKI, Kenichi; OKUTSU, Kenichi; OSHIMO, Keijiro; MISAIZU, Fuminori**2D4-29** Development of a photofragment ion imaging apparatus using a linear-type tandem reflectron (Grad. Sch. Sci., Tohoku Univ.) OKUTSU, Kenichi; YAMAZAKI, Kenichi; OSHIMO, Keijiro; MISAIZU, Fuminori**2D4-30** Studies on Chemical Reactions of Cobalt Clusters with Water by FT-ICR Mass Spectrometer (Grad. Sch. Eng., The Univ. of Tokyo) TOBARI, Yuta; OGASAWARA, Kazuki; CHIASHI, Shohei; MARUYAMA, Shigeo; SUGAI, Toshiaki**2D4-31** Development of Ion Mobility System with Multi-stage Ion Trap (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) HIROSHIBA, Yasuhiro; MIKAMI, Ninako; JINNOUCHI, Ryota; SUGAI, Toshiaki**2D4-32** Isomer separation of iron oxide cluster ions by ion mobility mass spectrometry (Grad. Sch. Sci., Tohoku Univ.; Sch. Sci., Tohoku Univ.) KOMUKAI, Tatsuya; OSHIMO, Keijiro; MISAIZU, Fuminori**2D4-33** Structures of sodium fluoride cluster ions studied by ion mobility mass spectrometry (Sch. Sci., Tohoku Univ.; Grad. Sch. Sci., Tohoku Univ.) TAKAHASHI, Tohru; OSHIMO, Keijiro; MISAIZU, Fuminori

Chair: OSHIMO, Keijiro (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(2D4-35, 2D4-37, 2D4-38, 2D4-39, 2D4-40)

2D4-35* Reactions of Rhodium Cluster Cations with O₂ and NO (Genesis Res. Inst., Inc.) HIRABAYASHI, Shinichi; ICHIHASHI, Masahiko**2D4-37** Thermal stability of copper oxide clusters and their reactivity with NO gas (Grad. Sch. Arts and Sci., The Univ. of Tokyo) MORITA, Keisuke; MIYAJIMA, Ken; MAFUNE, Fumitaka**2D4-38** Generation of noble metal clusters supported on gas phase ceria clusters and their reactivity (Grad. Sch. Arts and Sci., The Univ. of Tokyo) SHIGETA, Daisuke; MIYAJIMA, Ken; MAFUNÉ, Fumitaka**2D4-39** Generation and reactivity of the rhodium cluster doped with noble metals (Grad. Sch. Arts and Sci., The Univ. of Tokyo) KOYAMA, Kohei; MIYAJIMA, Ken; MAFUNÉ, Fumitaka**2D4-40** Thermal stability and reactivity with CO of Au-ceria composite clusters (Grad. Sch. Arts and Sci., The Univ. of Tokyo) NAGATA, Toshiaki; MIYAJIMA, Ken; MAFUNE, Fumitaka

Chair: NAKAJIMA, Atsushi (15 : 50~16 : 30)

* 15:40-15:50: interval for laptop PC connection.(2D4-42, 2D4-43, 2D4-45)

2D4-42 Structural analysis and catalytic application of [Nb₆O₁₉]⁸⁻ cluster (Grad. Sch. Sci., The Univ. of Tokyo) HAYASHI, Shun; YAMAZOE, Seiji; NISHIGAKI, Junichi; KOYASU, Kiichirou; TSUKUDA, Tatsuya**2D4-43*** Precise Synthesis of Two-types of Thiolate-protected Metal Clusters with High Performance Liquid Chromatography (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) NIHORI, Yoshiki; MATUSZAKI, Miku; UCHIDA, Chihiro; NEGISHI, Yuichi**2D4-45** Ultraviolet photodissociation of cold protonated tryptophan enantiomers on a chiral crown ether (Grad. Sch. Sci., Osaka Pref. Univ.) SATO, Takashi; FUJIHARA, Akimasa; HAYAKAWA, Shigeo

Chair: NEGISHI, Yuichi (16 : 40~17 : 20)

* 16:30-16:40: interval for laptop PC connection.(2D4-47, 2D4-48, 2D4-49, 2D4-50)

2D4-47 Formation of cluster complexes by cluster-cluster collisions - incorporation of cobalt cluster ions into argon clusters (Genesis Res. Inst., Inc. East Tokyo Laboratory) ODAKA, Hideho; ICHIHASHI, Masahiko**2D4-48** X-ray absorption spectroscopy of size-selected metal-oxide cluster ions: Measurement of local charge state in cerium oxides (Fac. Sci., Kyushu Univ.; Genesis Research Institute, Inc.; Toyota Technological Institute) ARAKAWA, Masashi; HAYAKAWA, Tetsuichiro; EGASHIRA, Kazuhiro; ITO, Tomonori; SARUGAKU, Shun; ANDO, Kota; TERASAKI, Akira**2D4-49** Geometrical stability of cluster ions containing copper and acetones studied by time-of-flight mass spectrometry (Sci. Eng., The Univ. of Electro-Communications) SHIMOKAWARA, Shota; SAITO, Koudai; KOBAYASHI, Noriaki; YAMAKITA, Yoshihiro**2D4-50** Structural evaluation of the ligand protected subnano platinum clusters (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) TSUCHIYA, Shohgo; KITAZAWA, Hirokazu; IMAOKA, Takane; YAMAMOTO, Kimihisa

Saturday, March 29, AM

Chair: TERASAKI, Akira (9 : 00 ~ 9 : 50)

* 8:50-9:00: interval for laptop PC connection.(3D4-01, 3D4-02, 3D4-03, 3D4-04)

3D4-01 Investigation on Magic Number and Composition of Aluminum-Boron Binary Nanoclusters by Reaction with Oxygen Molecules (Grad. Sch.

Sci. Tech., Keio Univ.) NAGASE, Tomomi; SUGA, Shoichiro; AKATSUKA, Hiroki; TSUNOYAMA, Hironori; NAKAJIMA, Atsushi

3D4-02 Substituent Effect on Luminescence Properties of Organoeuropium Sandwich Clusters (Fac. Sci. Tech., Keio Univ.) KAWASAKI, Kenshiro; SUGIYAMA, Rion; TSUJI, Takashi; IWASA, Takeshi; TSUNOYAMA, Hironori; NAKAJIMA, Atsushi**3D4-03** Fabrication of Size-selected Pt Nanocluster Catalyst Supported on SrTiO₃(100) and Their Oxidation Catalysis (Fac. Sci. Tech., Keio Univ.) TSUNOYAMA, Hironori; SEKIYA, Hiroki; KOBAYASHI, Ryota; NAKAJIMA, Atsushi**3D4-04*** Selenolate-protected magic gold clusters : synthesis and elucidation of the origin of stability (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) KURASHIGE, Wataru; YAMAZOE, Seiji; YAMAGUCHI, Masaki; KANEHIRA, Keita; NOBUSADA, Katsuyuki; TSUKUDA, Tatsuya; NEGISHI, Yuichi

Chair: KONDOH, Takafumi (10 : 00~11 : 00)

* 9:50-10:00: interval for laptop PC connection.(3D4-07, 3D4-09, 3D4-11)

3D4-07* Electron transfer dynamics of inhomogeneous photoelectric conversion systems by means of widefield femtosecond transient absorption microscopy (JST PRESTO) KATAYAMA, Tetsuro; JINNO, Akira; MIYASAKA, Hiroshi**3D4-09*** Long-lived Photoinduced Charge Separation of Supramolecule Composed of Lithium-ion-encapsulated PCBM Fullerene and Anionic Porphyrins (Grad. Sch. Eng., Osaka Univ.; Grad. Sch. Sci., The Univ. of Tokyo; ALCA, JST) KAWASHIMA, Yuki; OHKUBO, Kei; OKADA, Hiroshi; MATSUO, Yutaka; FUKUZUMI, Shunichi**3D4-11*** Photoinduced electron transfer in a supramolecular complex formed between curved corannulene and lithium ion-encapsulated [60]fullerene (Grad. Sch. Eng., Osaka Univ.; ALCA, JST; Grad. Sch. Sci., The Univ. of Tokyo) YAMADA, Mihoko; OHKUBO, Kei; SHIONOYA, Mitsuhiko; FUKUZUMI, Shunichi

Chair: MIYASAKA, Hiroshi (11 : 10~12 : 10)

* 11:00-11:10: interval for laptop PC connection.(3D4-14, 3D4-15, 3D4-17, 3D4-18)

3D4-14 Study on the quenching with TiO₂ powders for the singlet molecular oxygen produced by dye sensitization (Nagaoka Univ. of Tech.) SAITO, Hironobu; NOSAKA, Yoshio**3D4-15**** Singlet Oxygen Generation and Photoionization of Singlet Oxygen Sensor Green (ISIR, Osaka Univ.) KIM, Sooyeon; FUJITSUKA, Mamoru; MAJIMA, Tetsuro**3D4-17*** Electron-Transfer Processes of Photoactive Host-Guest Complexes of Crown-Ether-Fused TTF with Li+@C₆₀ (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) SUPUR, Mustafa**3D4-18*** Photoinduced electron transfer and photoelectrochemical properties of supramolecules between lithium ion-encapsulated fullerene and porphyrinoids (Grad. Sch. Eng., Osaka Univ.; ALCA, JST; Fac. Sci. Tech., Keio Univ.) OHKUBO, Kei; KAWASHIMA, Yuki; SAKAI, Hayato; HASOBE, Taku; FUKUZUMI, Shunichi

Saturday, March 29, PM

Chair: FUJITSUKA, Mamoru (13 : 20~14 : 20)

* 13:10-13:20: interval for laptop PC connection.(3D4-27, 3D4-28, 3D4-30, 3D4-31)

3D4-27 Photoinduced electron transfer in porous organic salts composed of 9-(4-sulfophenyl)anthracene and triphenylmethylamine including fullerenes (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) HASEGAWA, Tetsuya; OHKUBO, Kei; TOHNAI, Norimitsu; HISAKI, Ichiro; MIYATA, Mikiji; FUKUZUMI, Shunichi**3D4-28*** Significant Acceleration of the Electron Transfer through Oligo-*p*-Phenylenevinylenes Caused by Strong Electron-Vibration Coupling (Grad. Sch. Sci., The Univ. of Tokyo) SUKEGAWA, Junpei; SCHUBERT, Christina; ZHU, Xiaozhang; TSUJI, Hayato; GULDI, Dirk m.; NAKAMURA, Eiichi**3D4-30** Ultrafast energy transfer in an artificial dye conjugated photosynthetic antenna complex: LH2. (Sch. Eng. Sci., Osaka Univ.) YONEDA, Yusuke; KATAYAMA, Tetsuro; NAGASAWA, Yutaka; MIYASAKA, Hiroshi; MIZUTANI, Naoto; NOJI, Tomoyasu; DEWA, Takehisa**3D4-31*** Influence of the Mn-Depletion on the Redox Potential of the Non-Heme Iron in Photosystem II (Grad. Sch. Sci., Nagoya Univ.) KATO, Yuki; NOGUCHI, Takumi

Chair: OHKUBO, Kei (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(3D4-34, 3D4-35, 3D4-36, 3D4-38)

3D4-34 LET effect on radiation induced polymerization in gel (Tokyo Metropolitan Industrial Technology Research Institute) NAKAGAWA, Seiko; TAGUCHI, Mitsumasa; KIMURA, Atsushi; NAGASAWA, Naotsugu; HIROKI, Akihiro**3D4-35** Study of iodine and cesium separation and collection method using argon plasma (FUT) SUNAGAWA, Takeyoshi; HARVEL, Glenn**3D4-36*** Femtosecond pulse radiolysis study on dry electron and pre-solvated electron in neat n-alcohol (ISIR, Osaka Univ.) TOIGAWA, Tomohiro;

NORIZAWA, Kimihiro; KONDO, Takafumi; GOHDO, Masao; KAN, Koichi; YANG, Jinfeng; YOSHIDA, Yoichi

3D4-38* The study of the dodecane alkyl radicals using femtosecond pulse radiolysis (ISIR, Osaka Univ.) KONDOH, Takafumi; IGAHARA, Taiki; TOIGAWA, Tomohiro; GOHDO, Masao; KAN, Koichi; YANG, Jinfeng; NORIZAWA, Kimihiro; TAGAWA, Seiichi; YOSHIDA, Yoichi

Chair: FUKUZUMI, Shunichi (15 : 40~16 : 20)

* 15:30-15:40: interval for laptop PC connection.(3D4-41, 3D4-43, 3D4-44)

3D4-41* Radical cations of two-dimensional condensed oligofluorenes (ISIR, Osaka Univ.) FUJITSUKA, Mamoru; CHO, Dae won; CHOI, Jungkweon; TOJO, Sachiko; YANG, Jye-shane; MAJIMA, Tetsuro

3D4-43 Photoinitiated Radical Polymerization of Silane Coupling Agents as Studied by Time-resolved EPR Spectroscopy (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAHASHI, Hirona; KAWAI, Akio

3D4-44 Time-resolved ESR study on the antioxidant reaction by ascorbic acid in micellar interfaces (Fac. Sci., Shizuoka Univ.) EMA, Fumitoshi; MURAI, Hisao

Chair: ASahi, Tsuyoshi (16 : 30~17 : 30)

* 16:20-16:30: interval for laptop PC connection.(3D4-46, 3D4-48, 3D4-50, 3D4-51)

3D4-46* Construction of a plasmon-exciton strong coupling system fabricated by spatially-selective nanopatterning of dye J-aggregates on metallic nanostructures (RIES, Hokkaido Univ.) UEHARA, Hiyori; OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki

3D4-48* High-sensitive detection of molecules on the basis of extraction to a polymer aggregate formed by plasmonic optical tweezer (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Grad. Sch. Sci., Osaka City Univ.; JST-PRESTO) SUGO, Daiki; SHOJI, Tatsuya; KITAMURA, Noboru; NAGASAWA, Fumika; Tsuboi, Yasuyuki; MURAKOSHI, Kei

3D4-50 Optical trapping of nanoparticles on plasmonic nanohole arrays (Grad. Sch. Sci., Osaka City Univ.; JST-PRESTO) SHOJI, Tatsuya; Tsuboi, Yasuyuki

3D4-51# Selective excitation of surface plasmon resonance modes in gold nanoparticles and probing their dynamics by photoemission electron microscopy (RIES, Hokkaido Univ.) YU, Han; SUN, Quan; KUBO, Atsushi; MATSUO, Yasutaka; UENO, Kosei; MISAWA, Hiroaki

Chair: TAMAI, Naoto (17 : 40~18 : 30)

* 17:30-17:40: interval for laptop PC connection.(3D4-53, 3D4-55, 3D4-57)

3D4-53* Sub-ps Transient Absorption Microspectroscopy of Single Perylene Nanoparticle (Grad. Sch. Sci., Eng., Ehime Univ.) ISHIBASHI, Yukihide; ASahi, Tsuyoshi

3D4-55* Photodecomposition reaction of Flutamide and its solvent effect (Kanazawa Univ. Med. Pharm. Health Sci.) WATANABE, Yurie; FUKUYOSHI, Shuuichi; ODA, Akifumi; NAKAGAKI, Ryoichi

3D4-57 Solvation effect on photoisomerization of phenylazo substituted imidazolium cation in ionic liquids (Grad. Sch. Sci., Eng., Tokyo Tech) YOSHIDA, Tsuyoshi; KAWAI, Akio

Sunday, March 30, AM

Chair: Tsuboi, Yasuyuki (9 : 00 ~9 : 50)

* 8:50-9:00: interval for laptop PC connection.(4D4-01, 4D4-02, 4D4-03, 4D4-05)

4D4-01 Silver particle formation by femtosecond filamentation (The Toyota Physical and Chemical Research Institute) NAKASHIMA, Nobuaki; YAMANAKA, Ken-ichi; YATSUHASHI, Tomoyuki

4D4-02 Auger Recombination of ZnS-AgInS₂ Nanoparticles and Their Temperature Dependence (Sch. Sci. Tech., Kwansai Gakuin Univ.) OKIMOTO, Saki; OKUHATA, Tomoki; NISHI, Hiroyasu; TORIMOTO, Tsukasa; TAMAI, Naoto

4D4-03* Development of laser trapping technique at interfaces enabling molecular crystallization and two-dimensional nanoparticle assembly (National Chiao Tung University Department of Applied Chemistry and Institute of Molecular S) YUYAMA, Ken-ichi; SUGIYAMA, Teruki; MASUHARA, Hiroshi

4D4-05 Exciton Dynamics of CdSe Nanoplatelets and their Dependence of Number on Layers (Sch. Sci. Tech., Kwansai Gakuin Univ.) USUI, Yuki; OKUHATA, Tomoki; TAHARA, Kazuaki; TOMIZAWA, Yuki; TAMAI, Naoto

Chair: HOSOI, Haruko (10 : 00~10 : 50)

* 9:50-10:00: interval for laptop PC connection.(4D4-07, 4D4-08, 4D4-09, 4D4-11)

4D4-07 Photochromic reaction of spirooxazine nanoparticle colloids (Grad. Sch. Sci., Eng., Ehime Univ.) OGURA, Yumi; ISHIBASHI, Yukihide; ASahi, Tsuyoshi

4D4-08 Study on reference material for two-photon absorption spectral measurement at short wavelengths in visible region (UBIQEN, AIST) NAMIKAWA, Tomotaka; KAMADA, Kenji

4D4-09* Multiphoton Photodegradation Dynamics of Cyanine Dyes in Condensed Phase (Org. Adv. Sci. Technol., Kobe Univ.) FUYUKI, Masanori; WADA, Akihide

4D4-11 Fluorescence quenching of dye molecules by anion in ionic liquids (Grad. Sch. Sci., Eng., Tokyo Tech) HIRANO, Tomoya; KAWAI, Akio

Chair: KAWAI, Akio (11 : 00~11 : 40)

* 10:50-11:00: interval for laptop PC connection.(4D4-13, 4D4-14, 4D4-15, 4D4-16)

4D4-13 Investigation of the conformational change of a blue light sensor PapB (Grad. Sch. Sci., Kyoto Univ.) KIKUKAWA, Koutaro; NAKASONE, Yusuke; MASUDA, Shinji; TERAZIMA, Masahide

4D4-14 Light induced intramolecular signal transduction of a blue-light receptor protein phototropin (Grad. Sch. Sci., Kyoto Univ.) TAKAKADO, Akira; NAKASONE, Yusuke; OKAJIMA, Koji; TOKUTOMI, Satoru; TERAZIMA, Masahide

4D4-15 Characteristic of the 145th amino acid residue responsible for the fluorescence lifetime of eYFP (Fac. Sci., Toho Univ.) HOSOI, Haruko; HAZAMA, Sakiko; ISHINO, Kana; YAMAKURO, Mayu

4D4-16 Reaction of a BLUF photoreceptor SyPixD under high pressure (Grad. Sch. Sci., Kyoto Univ.) NAKAJIMA, Tsubasa; KUROI, Kunisato; OKAJIMA, Koji; IKEUCHI, Masahiko; TOKUTOMI, Satoru; TERAZIMA, Masahide

Room E1

School of Engineering - Bldg. 3 321

Theoretical Chemistry, Informatics Chemistry and Computational Chemistry

Thursday, March 27, AM

bio

Chair: SHOJI, Mitsuo (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1E1-01, 1E1-02, 1E1-03, 1E1-04, 1E1-05)

1E1-01 Theoretical analyses on inter-fragment interaction energy change due to the induced-fit in forming a NylB-substrate complex. (Grad. Sch. Eng. Sci., Osaka Univ.) ANDO, Hiroyuki; BABA, Takeshi; SHIGETA, Yasuteru; WATANABE, Chiduru; OKIYAMA, Yoshio; MOCHIZUKI, Yuji; NAKANO, Masayoshi

1E1-02 Fragment molecular orbital (FMO) calculations with ABINIT-MP on the K-computer (Rikkyo University Faculty of Science) OKIYAMA, Yoshio; WATANABE, Chiduru; MOCHIZUKI, Yuji; SAKAKURA, Kouta; YAMAMOTO, Jun-ichi; NOGUUCHI, Taka-aki; KOKUBO, Tatsunobu; SHINGU, Satoru; KOMIJI, Yuto; FUKUZAWA, Kaori; NAKANO, Tatsuya; TANAKA, Shigenori

1E1-03 Refinement of X-ray crystal structures by FMO electronic structure calculation (MHIR Science Solutions Division; IIS, The Univ. of Tokyo) FUKUZAWA, Kaori; WATANABE, Chiduru; TSUKAMOTO, Takayuki; KATO, Akifumi; OKIYAMA, Yoshio; TANAKA, Shigenori; MOCHIZUKI, Yuji

1E1-04 Theoretical Study on Ligand Recognition in α_{2A} Adrenergic Receptor (Yasuda Women's Univ. Faculty of Pharmacy) SHIMODO, Yasuyo; SHIBATA, Akira

1E1-05* Theoretical Study on Role of Water Molecules Binding to OEC during the S2 to S3 Transition(1): Molecular Structures and Oxidation states of the Active Site at the S3 and S4 states (Grad. Sch. Eng., Mie Univ.) ICHINO, Tomoya; MITANI, Masaki; YOSHIOKA, Yasunori

Chair: SATO, Hirofumi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1E1-08, 1E1-10, 1E1-12)

1E1-08* Effects of substrate distortion on the enzymatic process: Case study of ODCase reaction (NRI, AIST; Grad. Sch. Sci., Kyoto Univ.) ISHIDA, Toyokazu; FUJIIHASHI, Masahiro

1E1-10* Large-scale QM/MM study on the electronic structures of photosystem II oxygen evolving complex (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHOJI, Mitsuo; ISOB, Hiroshi; YAMANAKA, Shusuke; SHEN, Jian-ren; YAMAGUCHI, Kizashi

1E1-12* Theoretical Studies on Inhibition Mechanism of Arylsulfone Analogues against Matrix Metalloproteinase-12: Quantitative Structure-Activity Relationship Using Molecular Calculations (IMCE, Kyushu Univ.) HITAOKA, Seiji; CHUMAN, Hiroshi; YOSHIZAWA, Kazunari

Chair: HASEGAWA, Jun-ya (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(1E1-15, 1E1-16, 1E1-18)

1E1-15 A theoretical study on the optical absorption of the GFP chromophore in solutions (Grad. Sch. Eng., Kyoto Univ.) KAJITA, Ken; SATO, Hirofumi; NAKANO, Hiroshi

1E1-16* Computing pKa values of side chain of amino acids in metal-containing protein (RIKEN AICS) MATSUI, Toru; NAKAJIMA, Takahito

1E1-18* Theoretical development for the large open-shell systems (Sch. Biosci. Biotech., Tokyo Tech) NAKATA, Hiroya; FEDOROV, Dmitri;

YOKOJIMA, Satoshi; SCHMIDT, Mike; GORDON, Mark; KITAURA, Kazuo; NAKAMURA, Shinichiro

Friday, March 28, AM

electronic structure

Chair: YABUSHITA, Satoshi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2E1-01, 2E1-02, 2E1-04, 2E1-06)

2E1-01 Theoretical study of positronic formaldehyde with multi-component first principle method (Grad. Sch. Nanobioscience, Yokohama City Univ.) YAMADA, Yurika; KITA, Yukiumi; TACHIKAWA, Masanori

2E1-02* systematic analysis on chemical and isotope shifts of hydrogen by multi-component density functional theory (Grad. Sch. Nanobioscience, Yokohama City Univ.) KANEMATSU, Yusuke; TACHIKAWA, Masanori

2E1-04* Quantum chemical method for enthalpy and entropy in condensed-phase (Sch. Advanced Sci. Eng., Waseda Univ.) ISHIKAWA, Atsushi; NAKAI, Hiromi

2E1-06 Preferential solvation of a sodium chloride in pure solvents and in water-dimethyl sulfoxide mixtures using RISM-SCF-SEDD method (Sch. Eng., Kyoto Univ.) NAGAOKA, Takuya; NAKANO, Hiroshi; SATO, Hirofumi

material

Chair: NAKANO, Masayoshi (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(2E1-08, 2E1-10, 2E1-12, 2E1-13)

2E1-08* Effect of deformation of semicrystalline polymers on chemical reaction (Grad. Sch. Eng., Tohoku Univ.; JST-PRESTO) HIGUCHI, Yuji; OZAWA, Nobuki; KUBO, Momoji

2E1-10* Material design based on the concept of coupling density: application to thermally activated delayed fluorescence compounds for organic light-emitting diodes (OPERA, Kyushu Univ.) SHIZU, Katsuyuki; NODA, Hiroki; TANAKA, Hiroyuki; TANEDA, Masatsugu; UEJIMA, Motoyuki; SATO, Tohru; TANAKA, Kazuyoshi; ADACHI, Chihaya

simulation

2E1-12 Multi-scale simulations for the charge and discharge processes of lithium-ion battery (Fac. Eng., The Univ. of Tokyo; Grad. Sch. Eng., The Univ. of Tokyo) SHINAGAWA, Chikashi; USHIYAMA, Hiroshi; YAMASHITA, Koichi

2E1-13 Theoretical Study of Morphology and Power Conversion Efficiency of Organic Photovoltaics (Grad. Sch. Eng., The Univ. of Tokyo) KAWASHIMA, Eisuke; FUJII, Mikiya; YAMASHITA, Koichi

Chair: SHIGETA, Yasuteru (11 : 20 ~ 12 : 20)

* 11:10-11:20: interval for laptop PC connection.(2E1-15, 2E1-16, 2E1-17, 2E1-18, 2E1-19, 2E1-20)

2E1-15 Molecular dynamics study of thermal stability of gramicidin A in lipid bilayer (Coll. Sci. Eng., Kanazawa Univ.) SAITO, Hiroaki; KAWAGUCHI, Kazutomo; NAGAO, Hidemi

2E1-16 Theoretical analysis of self-assembled gear-shaped amphiphile molecules in solution (Grad. Sch. Nanobioscience, Yokohama City Univ.) MASHIKO, Takako; HIRAOKA, Shuichi; NAGASHIMA, Umpei; TACHIKAWA, Masanori

chemical reaction

2E1-17 A theoretical Study of reductive decomposition mechanism for ethylene carbonate by RISM-SCF-SEDD method. (Sch. Eng., Kyoto Univ.) ODA, Nozomu; KASAHARA, Kento; NAKANO, Hiroshi; SATO, Hirofumi

2E1-18 Theoretical study on CO oxidation reaction on Ag/CeO₂ surface (Fac. Eng., The Univ. of Tokyo; Grad. Sch. Eng., The Univ. of Tokyo) KINDAICHI, Rinpei; USHIYAMA, Hiroshi; YAMASHITA, Koichi

2E1-19 Catalytic Reaction Mechanism of CO₂ Fixation by Quaternary Ammonium Salt: Theoretical Study (CRC, Hokkaido Univ.) OHBO, Masaki; HASEGAWA, Jun-ya; FUKUHARA, Kazuki; EMA, Tadashi

2E1-20 Exploration of Structures of Molecular Aggregates by GRRM Method (Grad. Sch. Sci., Tohoku Univ.) OHNO, Koichi; KATSUNO, Naoya; SAWADA, Yu; YAMAKADO, Hideo

Friday, March 28, PM

Chair: HATANAKA, Miho (13 : 30 ~ 14 : 30)

* 13:20-13:30: interval for laptop PC connection.(2E1-28, 2E1-29, 2E1-30, 2E1-31, 2E1-32)

2E1-28 The support effect of graphene on platinum clusters : Theoretical study (Sch. Advanced Sci. Eng., Waseda Univ.) ICHIKAWA, Hiroki; ISHIKAWA, Atsushi; KIKUCHI, Yasuaki; NAKAI, Hiromi

electronic structure

2E1-29 Energy density analysis for MgO surface and metal clusters supported on the MgO surface (Sch. Advanced Sci. Eng., Waseda Univ.) DEUSHI, Fumiko; ISHIKAWA, Atsushi; KIKUCHI, Yasuaki; NAKAI, Hiromi

2E1-30* Ab-initio investigations on tantalum oxynitrides : novel materials for photocatalysis (Grad. Sch. Eng., The Univ. of Tokyo) KUBO, Ayako; GIORGI, Giacomo; YAMASHITA, Koichi

2E1-31 Theoretical investigation of Au-support interaction for gold catalysts (Grad. Sch. Sci., Osaka Univ.) TADA, Kohei; KOGA, Hiroaki; SAKATA, Kohei; OGUNI, Atsushi; KITAGAWA, Yasutaka; KAWAKAMI, Takashi; YAMANAKA, Shusuke; OKUMURA, Mitsutaka

2E1-32* Theoretical study on the selective separation of Am from Eu by dithiophosphinic acids (Grad. Sch. Sci., Hiroshima Univ.) KANEKO, Masashi; MIYASHITA, Sunao; NAKASHIMA, Satoru

Chair: NAKAJIMA, Takahito (14 : 40 ~ 15 : 30)

* 14:30-14:40: interval for laptop PC connection.(2E1-35, 2E1-36, 2E1-37, 2E1-39)

2E1-35 Theoretical study on the structure of lanthanide complexes with nitroxide radicals in solution (Grad. Sch. Eng. Sci., Osaka Univ.) NAKAMURA, Ryota; SHIGETA, Yasuteru; OKUNO, Katsuki; KISHI, Ryohei; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji; HASEGAWA, Miki; NAKANO, Masayoshi

2E1-36 Correlations between magnetism and structures (Grad. Sch. Sci., Osaka Univ.) KOMI, Kyouhei; KITAGAWA, Yasutaka; KAWAKAMI, Takashi; YAMANAKA, Syuusuke; YAMAGUCHI, Kizashi; OKUMURA, Mitutaka

2E1-37** Formation of Metal Atom Triangles Accompanies the Super-Reduction of Polyoxometalate (POM) Clusters (Grad. Sch. Sci., Nagoya Univ.) NISHIMOTO, Yoshio; YOKOGAWA, Daisuke; YOSHIKAWA, Hirofumi; AWAGA, Kunio; IRLE, Stephan

2E1-39 PPV's triplet-electron-transfer process and molecular orientations (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) AIKAWA, Koharu; MORIHASHI, Kenji

Chair: KURASHIGE, Yuki (15 : 40 ~ 16 : 40)

* 15:30-15:40: interval for laptop PC connection.(2E1-41, 2E1-43, 2E1-44, 2E1-45, 2E1-46)

2E1-41* Scanning of potential energy surfaces of a spin-crossover complex (IMCE, Kyushu Univ.) SHIOTA, Yoshihito; YOSHIZAWA, Kazunari

2E1-43 An orbital region partitioning analysis of the zero-field splitting tensors calculated by means of the Pederson-Khanna DFT (Grad. Sch. Sci., Osaka City Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) SUGISAKI, Kenji; TOYOTA, Kazuo; SATO, Kazunobu; SHIOMI, Daisuke; KITAGAWA, Masahiro; TAKUI, Takeji

2E1-44 Picture change effect on relativistic electron correlation calculation (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) NAKANO, Masahiko; SEINO, Junji; NAKAI, Hiromi

2E1-45 The interpretation of spin orbit force to nuclei in molecular system (Fac. Sci. Tech., Keio Univ.) KASHIMURA, Tatsuhiko; YABUSHITA, Satoshi

2E1-46 Diradical character dependence of single-molecule conductivity of polyacenes (Sch. Eng. Sci., Osaka Univ.) TAKEBAYASHI, Taku; SHIGETA, Yasuteru; KITAGAWA, Yasutaka; OKUMURA, Mitsutaka; NAKANO, Masayoshi

Chair: USHIYAMA, Hiroshi (16 : 50 ~ 17 : 30)

* 16:40-16:50: interval for laptop PC connection.(2E1-48, 2E1-49, 2E1-51)

2E1-48 A theoretical study on the non-adiabatic transition caused by the rotational motion of CN fragment in the photodissociation of ICN. (Grad. Sch. Sci. Tech., Keio Univ.) IKEZAKI, Tomoya; OHTA, Yusuke; YABUSHITA, Satoshi

2E1-49* Theoretical study of the nonradiative transition process of squaraine in solutions (Grad. Sch. Sci. Tech., Keio Univ.) OZAWA, Hitoshi; YASHIRO, Kazunori; YAMAMOTO, Takuma; YABUSHITA, Satoshi

2E1-51 Theoretical Study on the Conformational Dependence of OH Stretching Vibrational Overtone Intensity for Alcohol (Fac. Sci. Tech., Keio Univ.) TSUYUKI, Masafumi; TAKAHASHI, Hirokazu; YABUSHITA, Satoshi

Asian International Symposium
-Theoretical Chemistry, Chemoinformatics,
Computational Chemistry -

Saturday, March 29, PM

(13 : 20 ~ 13 : 30)

3E1-27* opening remarks (13:20~13:30)

Chair: Koga, Nobuaki (13 : 30 ~ 14 : 40)

3E1-28* Keynote Lecture Hypervalent and Planar Tetravalent Carbon in CC Bond Metathesis (CSIR-National Institute for Interdisciplinary Science and Technology) Suresh, Cherumuttathu H. (13:30~14:00)

3E1-31# Invited Lecture Theoretical study of highly stereoselective Mukaiyama-Aldol reaction in aqueous media (Kyoto University) HATANAKA, Miho (14:00~14:20)

3E1-33# Invited Lecture Computational Chemistry as a Valuable Tool in Alternative Energy Research: Biofuel (El-Menoufia University) El-Nahas, Ahmed (14:20~14:40)

Chair: Yasuda, Koji (14 : 50~15 : 50)

3E1-36# Invited Lecture QM-based Data Chemistry: Chemoinformatics Meets Quantum Chemistry (National Institute of Informatics) SATOH, Hiroko (14:50~15:10)

3E1-38# Invited Lecture Theoretical study of solution chemistry based on integral equation theories (Nagoya University) YOKOGAWA, Daisuke (15:10~15:30)

3E1-40# Invited Lecture Molecular Recognition in Biomolecules Studied by Statistical-Mechanics of Liquids (Kyushu University) YOSHIDA, Norio (15:30~15:50)

Chair: Iuchi, Satoru (16 : 00~17 : 10)

3E1-43# Keynote Lecture A simple Theory for the Not So Simple Hofmeister Series (Peking University) Gao, Yiqin (16:00~16:30)

3E1-46# Invited Lecture Replica-permutation method to realize efficient conformational sampling for biomolecules (Institute for Molecular Science) ITOH, Satoru G. (16:30~16:50)

3E1-48# Invited Lecture Statistical analysis of protein structural dynamics with ensemble molecular dynamics simulation (Nagoya University) TAKAYANAGI, Masayoshi (16:50~17:10)

(17 : 10~17 : 20)

3E1-50# concluding remarks (17:10~17:20)

Room E2
School of Engineering - Bldg. 3 331

Analytical Chemistry

Thursday, March 27, PM

Mass Spectrometry • X-ray Analysis • Material Analysis

Chair: SUEYOSHI, Kenji (13 : 00~14 : 00)

* 12:50-13:00: interval for laptop PC connection.(1E2-25, 1E2-26, 1E2-27, 1E2-28, 1E2-29, 1E2-30)

1E2-25 Atmospheric pressure multiphoton ionization of polycyclic aromatic hydrocarbons (Grad. Sch. Sci., Osaka City Univ.) OYA, Naoki; YATSUHASHI, Tomoyuki

1E2-26 Desorption/ionization efficiency of amino acids in SALDI-MS using titania nanoparticles (Grad. Sch. Eng., Hokkaido Univ.) ASANO, Takashi; YONEZAWA, Tetsu

1E2-27 Comparison between disulfide linked peptides and analogs without S-S bond by using electron transfer dissociation. (Fac. Sci., Osaka Pref. Univ.; Sch. Sci., Osaka Univ.) FUJIMOTO, Ryuji; TOYODA, Michisato; NAGAO, Hirohumi; SHIGERI, Yasushi; TAJIRI, Michiko; WADA, Yoshinao; HAYAKAWA, Shigeo

1E2-28 Compositional formula determination method and accurate mass detection by cold-spray ionization mass spectrometry in the metal organic complexes (Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) OHARA, Kazuaki; YAMAGUCHI, Kentaro

1E2-29 The chemical state of gold supported on catalyst precursor (Fac. Sci., Kyushu Univ.) ANDO, Hiroaki; KAWAMOTO, Daisuke; OHASHI, Hironori; OZI, Hiroshi; HONMA, Tetuo; KOBAYASHI, Yasuhiro; HAMASAKI, Akiyuki; ISHIDA, Tamao; OKAUE, Yoshihiro; TOKUNAGA, Makoto; YOKOYAMA, Takushi

1E2-30 Compositional analysis of styrene/butyl acrylate/methacrylic acid terpolymer by double-shot reactive pyrolysis-gas chromatography (Nagoya Inst. of Tech.) TAKEUCHI, Kaoru; AOI, Hiromi; OHTANI, Hajime

Electrophoresis • FIA

Chair: YASUI, Takao (14 : 10~15 : 10)

* 14:00-14:10: interval for laptop PC connection.(1E2-32, 1E2-33, 1E2-34, 1E2-35, 1E2-36, 1E2-37)

1E2-32 Analysis of catechins by tube radial distribution chromatography with chemiluminescence detection (Fac. Sci. Eng., Doshisha Univ.) MANAI, Junki; SUZUKI, Naomichi; HANAMURA, Naoya; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

1E2-33 Influence of the surfactants on singlet oxygen chemiluminescence and its application to micro-flow analysis (Fac. Sci. Eng., Doshisha Univ.) TADA, Aika; SUZUKI, Naomichi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

1E2-34 Development of a Monolithic Capillary with Selective Molecular

Recognition Ability and its Application to CE Analysis (Grad. Sch. Eng., Kyoto Univ.) KURODA, Kenta; NAITO, Toyohiro; KUBO, Takuya; OTSUKA, Koji

1E2-35 On-capillary hydrolysis behavior of phthalein dye ester and its kinetic analysis by zone-passing mode capillary electrophoretic reactor (Univ. of Fukui Graduate school of engineering) HOSONO, Akihiro; TAKAYANAGI, Toshio; TAKAHASHI, Toru

1E2-36 Development of three-dimensional digital electrophoresis. 1: Confirmation of the concept of digital electrophoresis (Grad. Sch. Eng., Osaka Pref. Univ.) SUEYOSHI, Kenji; KANAOKA, Tadamasu; MATSUDA, Keita; ENDO, Tatsuro; HISAMOTO, Hideaki

1E2-37 A consideration of two-phase generation in a micro-space based on tube radial distribution phenomenon (Doshisha Univ. Graduate School of Science and Engineering) FUJINAGA, Satoshi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

Sensor • Interface Analysis • Microscope

Chair: TAKAHASHI, Yukiko (15 : 20~16 : 20)

* 15:10-15:20: interval for laptop PC connection.(1E2-39, 1E2-40, 1E2-41, 1E2-42, 1E2-43)

1E2-39 Investigation of AFM Imaging of Phospholipid Membranes Using Probe Tip Modified Chemically with Dipicolylamine Zinc Complex (Fac. Sys. Eng., Wakayama Univ.) HARADA, Michika; KADO, Shinpei; TANAKA, Mutsuo; NAKAHARA, Yoshio; KIMURA, Keiichi

1E2-40 Two-dimensional gold nanoparticle networks for sensing (Grad. Sch. Eng., Osaka Pref. Univ.) TAKAI, Yoshiro; KINOSHITA, Takamasu; YAMAMOTO, Yojiro; NISHINO, Tomoaki; SHIIGI, Hiroshi; NAGAOKA, Tsutomu

1E2-41 Ion Sensor Property of Organogel Based on Low-Molecular-Weight Gelator Bearing Amide Groups and Elucidation of Gel Structure by Spectroscopy (Fac. Sys. Eng., Wakayama Univ.) OZAKI, Atsumi; ITAGAKI, Yusuke; YAJIMA, Setsuko; OSAKI, Shusuke; HOSHINA, Hiromichi; SUZUKI, Hal; OTANI, Chiko; KIMURA, Keiichi

1E2-42 Ion Sensor Properties of Ion-Sensing Membranes Based on Low-Molecular-Weight Gelator Bearing Urea Groups (Fac. Sys. Eng., Wakayama Univ.) ITAGAKI, Yusuke; YAJIMA, Setsuko; KIMURA, Keiichi

1E2-43* Development of an Optode for Selective Detection of Cesium Ion (Tokyo Univ. of Sci.) AKAMATSU, Masaaki; KOMATSU, Hirokazu; MORI, Taizo; SUZUKI, Koji; SAKAI, Hideki; ABE, Masahiko; ARIGA, Katsuhiko

Microanalysis

Chair: OTSUKA, Koji (16 : 30~17 : 30)

* 16:20-16:30: interval for laptop PC connection.(1E2-46, 1E2-47, 1E2-48, 1E2-50)

1E2-46 Highly efficient extraction of exosomal miRNA by nanowires (Grad. Sch. Eng., Nagoya Univ.) ITO, Satoru; YASUI, Takao; HE, Yong; YANAGIDA, Takeshi; SAKON, Rahong; KANAI, Masaki; NAGASHIMA, Kazuki; YUKAWA, Hiroshi; KAJI, Noritada; KAWAI, Tomoji; BABA, Yoshinobu

1E2-47 Nanobiodevices for DNA methylation mapping at a single molecule level (Grad. Sch. Eng., Nagoya Univ.) MIZUTANI, Mayu; YASUI, Takao; KAJI, Noritada; SAKON, Rahong; YANAGIDA, Takeshi; KANAI, Masaki; NAGASHIMA, Kazuki; KAWAI, Tomoji; BABA, Yoshinobu

1E2-48* Analysis of microdroplet formation process based on electrochemical capacitance measurement of its liquid/liquid interface (Grad. Sch. Sci., Eng., Tokyo Tech; Grad. Sch. Eng., The Univ. of Tokyo; KIT; University of Twente MESA + Institute for Nanotechnology) FUKUYAMA, Mao; YOSHIDA, Yumi; EIJKEL, Jan; VAN DEN BERG, Albert; HIBARA, Akihide

1E2-50* 3D network structures for high-speed separation of DNA molecules (Grad. Sch. Eng., Nagoya Univ.; FIRST RCIN, Nagoya Univ.) YASUI, Takao; SAKON, Rahong; YANAGIDA, Takeshi; KAJI, Noritada; KANAI, Masaki; NAGASHIMA, Kazuki; KAWAI, Tomoji; BABA, Yoshinobu

Friday, March 28, AM

Chair: DAISUKE, Onoshima (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2E2-01, 2E2-02, 2E2-03, 2E2-04, 2E2-05, 2E2-06)

2E2-01 Observation of the specific fluid behavior of the water-hydrophilic/hydrophobic organic solvent mixed solution in Y-type microchannel (Fac. Sci. Eng., Doshisha Univ.) MURAKAMI, Shunpei; HAMAGUCHI, Yuya; FUJINAGA, Satoshi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

2E2-02 Microfluidic devices for analysis of exosomal membrane protein (Grad. Sch. Eng., Nagoya Univ.) YUKI, Konakade; TAKAO, Yasui; HIROSHI, Yukawa; NORITADA, Kaji; YOSHINOBU, Baba

2E2-03 Development of analytical methods and the elucidation of the specific behavior of ionic liquid aqueous two-phase system in microspace (Fac. Sci. Eng., Doshisha Univ.) NAGATANI, Kosuke; KAWAI, Yuki; FUJINAGA, Satoshi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

2E2-04 Extraction of nuclei from cells by pico-litter chamber array devices (Grad. Sch. Eng., Nagoya Univ.) KOYAMA, Ryo; YASUI, Takao; KAJI, Noritada; BABA, Yoshinobu

- 2E2-05** Fast gradation generator chip for continuous electrochemical titration (Toyohashi Univ. of Tech.; Grad. Sch. Eng., The Univ. of Tokyo) MURAKAMI, Yuji; MORIYAMA, Kazuho; TOMIDA, Mitsuyoshi; ARAKI, Keita; ARITOME, Katsuhiro; MIYAKE, Ryo
- 2E2-06** Development of bacteria detection device using nanowire structures (Grad. Sch. Eng., Nagoya Univ.) TAKEUCHI, Masaki; YASUI, Takao; SAKON, Rahong; YANAGIDA, Takeshi; KANAI, Masaki; NAGASHIMA, Kazuki; KAJI, Noritada; KAWAI, Tomoji; BABA, Yoshinobu

Chair: MURAKAMI, Yuji (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(2E2-08, 2E2-09, 2E2-10, 2E2-11, 2E2-12)
- 2E2-08** Development of UV excitation differential interference contrast thermal lens microscope toward detection of non-labeled single protein (Grad. Sch. Eng., The Univ. of Tokyo) ASANO, Yoshihiro; SHIMIZU, Hisashi; MAWATARI, Kazuma; KITAMORI, Takehiko
- 2E2-09** On-Chip Single-Molecule Analysis of Encounter Complex Formation during Restriction Enzyme Reaction (FIRST RCIN, Nagoya Univ.) DAISUKE, Onoshima; KAJI, Noritada; TOKESHI, Manabu; BABA, Yoshinobu
- 2E2-10** Extended-nano near-field spectroscopy by developing of embedded near-field probe (Grad. Sch. Eng., The Univ. of Tokyo) OTA, Ryoichi; MAWATARI, Kazuma; KITAMORI, Takehiko
- 2E2-11** Development of micro ice droplet colliding device for chemical reaction (Grad. Sch. Eng., The Univ. of Tokyo) MATSUNO, Takumi; KAZOE, Yutaka; MAWATARI, Kazuma; KITAMORI, Takehiko
- 2E2-12** Single DNA extraction from bacillus subtilis by nanostructure (Grad. Sch. Eng., Nagoya Univ.) OTSUKA, Kohei; YASUI, Takao; SAKON, Rahong; YANAGIDA, Takeshi; KAJI, Noritada; KANAI, Masaki; NAGASHIMA, Kazuki; KAWAI, Tomoji; BABA, Yoshinobu

Chair: HIBARA, Akihide (11 : 10~12 : 00)

- * 11:00-11:10: interval for laptop PC connection.(2E2-14, 2E2-15, 2E2-17, 2E2-18)
- 2E2-14** Investigation of Molecular-Sized Gap Using Covered Metal Electrode (ISIR, Osaka Univ.) ARIMA, Akihide; TSUTSUI, Makusu; TANIGUCHI, Masateru
- 2E2-15*** Single molecule detection using biological nanopore based on MEMS technology (Fac. Eng., Tokyo Univ. of Agri. and Technol.; KAST Artificial Cell Membrane System Group) KAWANO, Ryuji; OSAKI, Toshihisa; KAMIYA, Koki; TAKEUCHI, Shoji
- 2E2-17** Single particle detections by combined electrical and optical measurements (ISIR, Osaka Univ.) TSUTSUI, Makusu; ARIMA, Akihide; TANIGUCHI, Masateru
- 2E2-18** Controlling translocation velocity of single DNA molecules for precision improvement of DNA sequencing analysis (Grad. Sch. Eng., Nagoya Univ.) SUN, Xiaoyin; YASUI, Takao; RAHONG, Sakon; YANAGIDA, Takeshi; KAJI, Noritada; KANAI, Masaki; NAGASHIMA, Kazuki; KAWAI, Tomoji; BABA, Yoshinobu

Asian International Symposium -Analytical Chemistry-

Friday, March 28, PM

Frontiers in Bioanalysis

Chair: Citterio, Daniel (13 : 30~17 : 10)

- 2E2-28#** Keynote Lecture A Novel Rapid Antibiotic Susceptibility Test (RAST) System Using Microfabrication and Morphology of Single Cell Growth (Seoul National University) Kwon, Sunghoon (13:30~14:00)
- 2E2-31#** Invited Lecture Micro/nano droplet operations for chemical analysis (Tokyo Institute of Technology) HIBARA, Akihide (14:00~14:30)
- 2E2-34#** Invited Lecture With paper and inkjet printers to microfluidic analytical devices (Keio University) CITTERIO, Daniel (14:30~15:00)
- 2E2-37#** Invited Lecture Simple and rapid sensing of surface antigen based on dielectrophoresis (University of Hyogo) YASUKAWA, Tomoyuki (15:00~15:30)
- 2E2-41#** Keynote Lecture Biomedical applications of a novel class of high-affinity peptides (aptides) (KAIST) Jon, Sangyong (15:40~16:10)
- 2E2-44#** Invited Lecture Development of bioanalytical techniques by nano-fabricated structures (Nagoya University) KAJI, Noritada (16:10~16:40)
- 2E2-47#** Invited Lecture Imaging of dynamic molecules and signaling in living cells (University of Tokyo) OZAWA, Takeaki (16:40~17:10)

Analytical Chemistry

Saturday, March 29, AM

Bioanalysis

Chair: TAKENAKA, Shigeori (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3E2-01, 3E2-02, 3E2-03,

3E2-04, 3E2-05, 3E2-06)

- 3E2-01** Detection of DNA methylation using single base extension and fluorescence resonance energy transfer (Fac. Sci. Eng., Doshisha Univ.) NAKAJIMA, Chinami; FUJISHIMA, Kohei; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko
- 3E2-02** Detection of Single Point Mutations Based on the Ligase Detection Reaction: Use of Gold Nanoparticle-Conjugated Oligonucleotide Probe (Fac. Sci. Eng., Doshisha Univ.) MURAO, Kennichi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko
- 3E2-03** Development of biosensing probe base on Förster resonance energy transfer between different nanoparticles (Doshisha Univ. Department of Science and Engineering) YAMAMOTO, Shunsuke; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko
- 3E2-04*** Colorimetric SNP Genotyping Based on Colloidal Stability of Gold Nanoparticles Modified with DNA Duplex Having a Dangling End (RIKEN; Grad. Sch. Frontier Sci., The Univ. of Tokyo) SHIKAGAWA, Hiroto; AKIYAMA, Yoshitsugu; KANAYAMA, Naoki; TAKARADA, Tohru; MAEDA, Mizuo
- 3E2-05** Synthesis of nucleic acid-binding ligands based on lumazines and their application to microRNA detection (Grad. Sch. Sci., Tohoku Univ.) SAITO, Hiroki; SATO, Yusuke; TERAMAE, Norio; NISHIZAWA, Seiichi
- 3E2-06** Development of fluorescent ligands for targeting TAR RNA and their application to high throughput screening assay (Grad. Sch. Sci., Tohoku Univ.) ITO, Yoshiko; SATO, Yusuke; TERAMAE, Norio; NISHIZAWA, Seiichi

Chair: SATO, Shinobu (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(3E2-08, 3E2-09, 3E2-10, 3E2-11)
- 3E2-08** Synthesis of pteridine derivatives with amino or guanidino groups and evaluation of their RNA abasic site-binding abilities (Grad. Sch. Sci., Tohoku Univ.) TORIYABE, Yu; SATO, Yusuke; TERAMAE, Norio; NISHIZAWA, Seiichi
- 3E2-09** Development of fluorescent probes for siRNA analysis (Grad. Sch. Sci., Tohoku Univ.) SATO, Takaya; SATO, Yusuke; IWAI, Kenta; KUGE, Shusuke; TERAMAE, Norio; NISHIZAWA, Seiichi
- 3E2-10** High-speed Micro-RNA Isolation by Using Nanobiodevice (Grad. Sch. Eng., Nagoya Univ.) WU, Qiong; YASUI, Takao; SAKON, Rahong; NAGASHIMA, Kazuki; YANAGIDA, Takeshi; KANAI, Masaki; KAJI, Noritada; TOKESHI, Manabu; KAWAI, Tomoji; BABA, Yoshinobu
- 3E2-11*** Development of single-molecule tunnel-current identification method by using molecular-controlled MCBJ device for identification of biological macromolecules (ISIR, Osaka Univ.) OHSHIRO, Takahito; TANIGUCHI, Masateru; KAWAI, Tomoji

Chair: OHSHIRO, Takahito (11 : 10~12 : 00)

- * 11:00-11:10: interval for laptop PC connection.(3E2-14, 3E2-15, 3E2-16, 3E2-17, 3E2-18)
- 3E2-14** Simultaneous detection of ionic current and fluorescence for methylation analysis on DNA molecules (Grad. Sch. Eng., Nagoya Univ.) YASAKI, Hiroto; YASUI, Takao; SAKON, Rahong; YANAGIDA, Takeshi; KAJI, Noritada; KANAI, Masaki; NAGASHIMA, Kazuki; KAWAI, Tomoji; BABA, Yoshinobu
- 3E2-15** Oral disease screening by using electrochemical telomerase assay (KIT Department of Applied Chemistry) SATO, Shinobu; HAYAKAWA, Mana; KODAMA, Masaaki; TOMINAGA, Kazuhiro; TAKENAKA, Shigeori
- 3E2-16** Interaction of naphthalene diimide having β -cyclodextrin with DNA (KIT technology) KOSHINO, Yuka; SATO, Shinobu; TAKENAKA, Shigeori
- 3E2-17** Linker chain effect of ferrocenylnaphthalene diimide carrying β -cyclodextrin as an electrochemical detecting reagent of double stranded DNA in homogenous medium (Sch. Eng., KIT) YAGAWA, Saori; UMEDA, Yuta; SATO, Shinobu; TAKENAKA, Shigeori
- 3E2-18** Electrochemical telomerase assay (ECTA) as platform of kidney cancer detection (Sch. Eng., KIT) HORI, Yuki; SATO, Shinobu; TOMISAKI, Ikkoh; FUJIMOTO, Naohiro; MATSUMOTO, Tetsuro; TAKENAKA, Shigeori

Saturday, March 29, PM

Chair: HIDEAKI, Yoshimura (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3E2-28, 3E2-29, 3E2-30, 3E2-31, 3E2-32)
- 3E2-28** Electrochemical protease activity detection aiming at early diagnosis of periodontal disease (Sch. Eng., KIT) NAKAHARA, Toshiki; SHIMAMOTO, Junpei; SATO, Shinobu; USUI, Michihiko; NAKASHIMA, Keisuke; NISHIHARA, Tatsuji; TAKENAKA, Shigeori
- 3E2-29** Electrophoresis of native proteins using supramolecular hydrogel (Grad. Sch. Sci., Shizuoka Univ.) HASE, Takayuki; TAZAWA, Shohei; MUNENOBU, Kanako; YAMANAKA, Masamichi
- 3E2-30** Development of electrochemical detection method for apoptosis using caspase-3 activity (Grad. Sch. Environmental Studies, Tohoku Univ.) SHIOMOTO, Shusaku; TAKANO, Shinichiro; INOUE, Kumi; INO, Kosuke; SHIKU, Hitoshi; MATSUE, Tomokazu

Shunsuke; ITOH, Yuko; KUBO, Izumi

Sunday, March 30, AM

Separation • Detection

Chair: IKI, Nobuhiko (9 : 00 ~ 9 : 50)

* 8:50-9:00: interval for laptop PC connection.(4E2-01, 4E2-02, 4E2-03, 4E2-04, 4E2-05)

4E2-01 The elution behavior of biomolecules in the tube radial distribution chromatography (TRDC) (Doshisha Univ. Graduate School of Science and Engineering) HAN, Bing; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

4E2-02 Elution behavior of metal ions in the tube radial distribution chromatography (TRDC) with chemiluminescence detector. (Doshisha Univ. Graduate School of Science and Engineering) HANAMURA, Naoya; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

4E2-03 Development of tube radial distribution chromatography simplified based on gravity method (Fac. Sci. Eng., Doshisha Univ.) HATANANO, Shogo; KITAGUCHI, Koichi; FUZINAGA, Kei; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

4E2-04 Development of a C60-fullerene coated silica-monolithic capillary for liquid chromatographic separation (Grad. Sch. Eng., Kyoto Univ.) MURAKAMI, Yoshiki; NAITO, Toyohiro; KUBO, Takuya; OTSUKA, Koji

4E2-05 Fundamental Investigations of Monolithic Materials for a Portable LC Device Applicable to On-site Analysis (Grad. Sch. Eng., Kyoto Univ.) KUNISAWA, Akihiro; NAITO, Toyohiro; KUBO, Takuya; OTSUKA, Koji

Chair: HAYASHITA, Takashi (10 : 00 ~ 10 : 50)

* 9:50-10:00: interval for laptop PC connection.(4E2-07, 4E2-08, 4E2-09, 4E2-10, 4E2-11)

4E2-07 Highly Efficient Micropillar Array Columns Using High Aspect Ratio Hexagonal Pillars (Vrije Universiteit Brussel) FUTAGAMI, Shunta; OP DE BEECK, Jeff; NAITO, Toyohiro; KUBO, Takuya; OTSUKA, Koji; GARDENIERS, Han; DESMET, Gert; DE MALSCHE, Wim

4E2-08 Determination Method for ppt-Levels of Chromium(VI) by Kinetic Differentiation Mode High-Performance Liquid Chromatography using 1,5-Diphenylcarbazide as a Derivatizing Agent (Grad. Sch. Environmental Studies, Tohoku Univ.) TANABE, Chieko; HOSHINO, Hitoshi; IKI, Nobuhiko

4E2-09 Separation of Cis-Trans Isomers of Bis(o-diminosulfobenzosemiquinonato)platinum(II) by Capillary Electrophoresis Using β -cyclodextrin as a Selector (Sch. Eng., Tohoku Univ.; Grad. Sch. Environmental Studies, Tohoku Univ.) HAYASHI, Takumi; TAMURA, Kosaku; MASUYA, Atsuko; HOSHINO, Hitoshi; IKI, Nobuhiko

4E2-10 Analytical Application by New Chemiluminescence System with L-Thyroxine as Luminescent Substrate (Grad. Sch. Environmental Studies, Tohoku Univ.) IGARASHI, Chikai; HOSHINO, Hitoshi

4E2-11 Development of homogeneous liquid-liquid extraction system in a micro-space based on specific fluid behavior (Doshisha Univ. Graduate School of Science and Engineering) SUZUKI, Naomichi; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko

Chair: TSUKAGOSHI, Kazuhiko (11 : 00 ~ 12 : 00)

* 10:50-11:00: interval for laptop PC connection.(4E2-13, 4E2-14, 4E2-15, 4E2-16, 4E2-18)

4E2-13 Construction of a simple analytical system for heavy metals in soil by thiacalix[4]arene extraction (Grad. Sch. Environmental Studies, Tohoku Univ.) TANAKA, Yoshitoki; HOSHINO, Hitoshi; IKI, Nobuhiko

4E2-14 Structural Effect on Anion Recognition Function of Dipicolylamine Fluorescent Sensor (Fac. Sci., Sophia Univ.) SAWADA, Maki; KOBAYASHI, Hiroyuki; KATANO, Kohei; HASHIMOTO, Takeshi; HAYASHITA, Takashi

4E2-15 Development of Supramolecular Rotaxane Sensors Possessing 18-crown-6-ether for Ion Recognition (Fac. Sci., Sophia Univ.) OKANIWA, Masashi; WATANABE, Satoshi; MURAYAMA, Shiori; TSUCHIDO, Yuji; HASHIMOTO, Takeshi; HAYASHITA, Takashi

4E2-16* Additive Effect of Cyclodextrin as a Reaction Accelerator in Metal-porphyrin Complexes Formation (Fukushima Univ. Clus. of Sci. and Tech.; Coll. Eng., Ibaraki Univ.; Fukushima Univ. Inst. of Environ. Radio.) OHTOMO, Takao; IGARASHI, Shukuro; TAKAGAI, Yoshitaka

4E2-18 Development of powerless extraction method (FIRST RCIN, Nagoya Univ.) YUKIHIRO, Okamoto; YUKAWA, Hiroshi; TOKESHI, Manabu; BABA, Yoshinobu

Sunday, March 30, PM

Separation • Detection • Extraction • Flow Injection • Mass Spectrometry

Chair: MIYAMURA, Kazuo (13 : 10 ~ 14 : 10)

* 13:00-13:10: interval for laptop PC connection.(4E2-26, 4E2-28, 4E2-29, 4E2-30)

4E2-26* Extraction of platinum group metals by novel task-specific ionic liquids with THP-protected thiol moieties (IMRAM, Tohoku Univ.; Grad. Sch. Eng., Kobe Univ.) FUNAKI, Kenji; KANIE, Kiyoshi; SUGIE, Atsushi;

3E2-31 Electrochemical device with many sensors for detection of droplets containing biosamples (Grad. Sch. Environmental Studies, Tohoku Univ.; WPI-AIMR, Tohoku Univ.) GOTO, Takehito; INO, Kosuke; KANNO, Yusuke; MIYASHITA, Kosuke; SHIKU, Hitoshi; MATSUE, Tomokazu

3E2-32* Promoting Activation and Fluorescent Imaging of Intracellular NAD (P)H (MANA, NIMS) KOMATSU, Hirokazu; SHINDO, Yutaka; OKA, Kotaro; HILL, Jonathan; ARIGA, Katsuhiko

Chair: KAJI, Noritada (14 : 40 ~ 15 : 40)

* 14:30-14:40: interval for laptop PC connection.(3E2-35, 3E2-37, 3E2-39, 3E2-40)

3E2-35* Molecular component distribution imaging of single living cells by Raman microspectroscopy combined with multivariate curve resolution analysis (ASMeW, Waseda Univ.) ANDO, Masahiro; HAMAGUCHI, Hiro-o

3E2-37* Creation of artificial luciferases and their applications to bioassays (RIEMT, AIST) KIM, Sung bae

3E2-39 Novel coelenterazine derivatives for bioluminescence applications (Grad. Sch. Sci. Tech., Keio Univ.) NISHIHARA, Ryo; HOSHINO, Emi; SUZUKI, Hideyuki; SUGANUMA, Sakura; SATO, Moritoshi; SAITO, Tsuyoshi; NISHIYAMA, Shigeru; IWASAWA, Naoko; CITTERIO, Daniel; SUZUKI, Koji

3E2-40# An Optical Method to Control the Intracellular Production of Phosphatidylinositol (3,4,5)-trisphosphate with Blue Light (Grad. Sch. Sci., The Univ. of Tokyo) YANG, Lingzhi; OZAWA, Takeaki

Chair: NISHIZAWA, Seiichi (15 : 50 ~ 16 : 50)

* 15:40-15:50: interval for laptop PC connection.(3E2-42, 3E2-43, 3E2-44, 3E2-45, 3E2-46, 3E2-47)

3E2-42 Stem cells imaging using cadmium-free quantum dots and approach for high functionalization (Grad. Sch. Eng., Nagoya Univ.) MIYAZAKI, Yoshiyuki; YUKAWA, Hiroshi; NISHI, Hiroyasu; YASUI, Takao; KAJI, Noritada; TORIMOTO, Tukas; BABA, Yoshinobu

3E2-43 Development of a compact and low cost system for the quantitative analysis of disease markers (Grad. Sch. Eng., Nagoya Univ.) KASAMA, Toshihiro; HASEGAWA, Yutaka; KONDO, Haruyasu; OZAWA, Tsutomu; KAJI, Noritada; TOKESHI, Manabu; BABA, Yoshinobu

3E2-44 Design and Evaluation of ATP Recognition for Dipicolylamine Conjugated Azoprobe/Cyclodextrin Supramolecules (Fac. Sci., Sophia Univ.) HASHIMOTO, Takeshi; UEMURA, Takuya; KOSHINO, Anna; SATO, Kazuki; TSUCHIDO, Yuji; HAYASHITA, Takashi

3E2-45 Microfluidic Paper-Based Analytical Device for Fluorescence Detection of Lactoferrin in Tear Fluid (Grad. Sch. Sci. Tech., Keio Univ.) YAMADA, Kentaro; TAKAKI, Shunsuke; SUZUKI, Koji; CITTERIO, Daniel

3E2-46 Development of fluorescence quenching-based 1step immunoassay device using functional graphene release capillary (Sch. Eng., Osaka Pref. Univ.) SHIRAI, Akihiro; ISHIMOTO, Tadashi; HENARES, Terence; SUEYOSHI, Kenji; ENDOU, Tatsuro; HISAMOTO, Hideaki

3E2-47 Fundamental investigation of hydrogel-based nanoimprinted photonic crystal for biosensing application (Sch. Eng., Osaka Pref. Univ.) MATSUMOTO, Yoko; ARAKI, Takashi; SUEYOSHI, Kenji; HISAMOTO, Hideaki; ENDO, Tatsuro

Chair: SATO, Yusuke (17 : 00 ~ 17 : 40)

* 16:50-17:00: interval for laptop PC connection.(3E2-49, 3E2-50, 3E2-51, 3E2-52)

3E2-49 Facile Colorimetric Sensing of Thiocyanate Ion Based on Specific Silver Nanoshell Formation (Fac. Sys. Eng., Wakayama Univ.) YOKOMINE, Shoichi; KADO, Shinpei; KIMURA, Keiichi

3E2-50 Oriented immobilization of antibodies based on a binding interaction between biotin ligase and its substrate protein (KIT Dept. of Biosci. and Bioinfo.) MIYAO, Hiroki; SHIRAI, Arata; SUEDA, Shinji

3E2-51 Sensitivity improvement of saccharide-sensing chips by introduction of novel boronic acid structures (Kitami Inst. of Tech.) YAMAMOTO, Hiroki; KANEKIYO, Yasumasa

3E2-52 Development of conducting polymer template for biosensing (Grad. Sch. Eng., Osaka Pref. Univ.) SUEKUNI, Satoshi; LE, Dung; SAIMATSU, Kenta; SHIIGI, Hiroshi; NAGAOKA, Tsutomu

Chair: ENDO, Tatsuro (17 : 50 ~ 18 : 30)

* 17:40-17:50: interval for laptop PC connection.(3E2-54, 3E2-55, 3E2-56, 3E2-57)

3E2-54 Development of bioanalysis using conducting polymer template (Grad. Sch. Eng., Osaka Pref. Univ.) TAKAI, Masahiro; LE, Dung; SHIIGI, Hiroshi; NAGAOKA, Tsutomu

3E2-55 Bacterial detection by nanoparticle labeling (Grad. Sch. Eng., Osaka Pref. Univ.) FUKUDA, Maho; HATSUOKA, Yu; KINOSHITA, Takamasa; LE, Dung; SHIIGI, Hiroshi; NAGAOKA, Tsutomu

3E2-56 Detection of Salmonella enterica in chicken meat by PCR on a microfluidic disc for single cell isolation (Grad. Sch. Eng., Soka Univ.) KAJIYA, Mitsutoshi; FURUTANI, Shunsuke; SHOZEN, Naoki; NAGAI, Hidenori; KUBO, Izumi

3E2-57 Study on analysis of the extremophile by the cell isolation disc (Fac. Eng., Soka Univ.) KENICHI, Uchida; OGURA, Kotaro; FURUTANI,

- MORI, Atsunori; MURAMATSU, Atsushi
4E2-28 Extraction Behavior of Paraquat Ion with Various Ionic Liquids (Grad. Sch. Sci., Chiba Univ.; Chiba Pref. Police H.Q. Forensic Science Laboratory) HAMAMOTO, Takuya; KATSUTA, Shoichi
4E2-29 Analysis of lacquer wax using MALDI-TOFMS/MS (Department of Sci. Tech., Meiji Univ.) SEKIGUCHI, Yuki; MUROTA, Akihiko; HONDA, Takayuki; MIYAKOSHI, Tetsuo
4E2-30* Automated simultaneous injection effective mixing analysis system for catalytic determination of vanadium and iron in waters (Aichi Inst. of Tech.) AYALA, Alejandro; TESHIMA, Norio; SAKAI, Tadao; MOTOMIZU, Shoji

Microscope · X-ray Analysis

Chair: TESHIMA, Norio (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(4E2-33, 4E2-35, 4E2-36, 4E2-37, 4E2-38)
4E2-33* Structural Analysis of Multi-Sugar Type Surfactants by SANS and SAXS Method (Comprehensive Research Organization for Science and Society) AKUTSU, Kazuhiro; YOSHIMURA, Tomokazu; NAKATANI, Yuka; IWASE, Hiroki
4E2-35 STM Analysis of Two-Dimensional Structures Formed by Pigment Red 254 and Its Alkyl-Derivatives (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) HONDA, Akinori; TAMAKI, Yoshinori; MIYAMURA, Kazuo
4E2-36 CEY XAFS analysis on corrosion process of copper plate exposed to acid precipitate (Fac. Arts and Sci., Kyushu Univ.) OHASHI, Hironori; KAWAMOTO, Disuke; OKAUE, Yoshihiro; YOKOYAMA, Takushi
4E2-37 Characterization of local electronic structure using fluorescence XAFS system under operant conditions. (KEK) HONDA, Mitsunori; BABA, Yuji; SHIMOYAMA, Iwao; HIRAO, Norie; OKAMOTO, Yoshihiro; YAITA, Tsuyoshi
4E2-38 Local structure of La of La complex oxides by means of La L1, and L3-edge XAS (Nagoya Univ. Synchrotron radiation Research center) ASAKURA, Hiroyuki; SHISHIDO, Tetsuya; TERAMURA, Kentaro; TANAKA, Tsunehiro

Room E3

School of Engineering - Bldg. 3 332

Environmental and Green Chemistry, Geo and Space Chemistry

Thursday, March 27, AM

Chair: TERASHIMA, Chiaki (9 : 30 ~10 : 30)

- * 9:20-9:30: interval for laptop PC connection.(1E3-04, 1E3-05, 1E3-06, 1E3-07, 1E3-08, 1E3-09)
1E3-04 Composite photocatalyst of g-C₃N₄ and WO₃ with improved visible light photocatalytic activities (KIT Graduate School of Engineering (Tobata Campus)) JIN, Zhengyuan; MURAKAMI, Naoya; OHNO, Teruhisa
1E3-05 Photo-Fenton reaction of methyl orange by using iron-treated hydroxyapatite as a catalyst (Saitama Medical University Department of Liberal Arts; Taihei Chemical Industrial Co., Ltd. Division of Research and Development) MORIGUCHI, Takeshi; NAKAGAWA, Souhei
1E3-06 Preparation and visible light response of Cu doped TiO₂ sol/clay hybrids (Grad. Sch. Env. Sci., Okayama Univ.) KAMESHIMA, Yoshikazu; HSING, Jiannan; MANO, Toshiyuki; NISHIMOTO, Shunsuke; MIYAKE, Michihiro
1E3-07 Fabrication of TiO₂-coated porous silica glass tube and its application for water purification (KAST Photocatalyst Group; Tokyo Univ. of Sci. PIRC) OCHIAI, Tsuyoshi; TAGO, Shoko; TAWARAYAMA, Hiromasa; HOSOYA, Toshifumi; FUJISHIMA, Akira
1E3-08 Introduction of photocatalytic nanoparticles for plant growing (Fac. Sci. Technol., Tokyo Univ. of Sci.) SANADA, Takuo; TERASHIMA, Chiaki; NAKATA, Kazuya; KONDO, Takeshi; YUASA, Makoto; FUJISHIMA, Akira
1E3-09 Culture Treatment Using of Visible light Photocatalysts (Fac. Sci. Technol., Tokyo Univ. of Sci.) MIDORIKAWA, Shogo; TERASHIMA, Chiaki; NAKATA, Kazuya; KONDO, Takeshi; YUASA, Makoto; FUJISHIMA, Akira

Chair: KAMESHIMA, Yoshikazu (10 : 40~11 : 40)

- * 10:30-10:40: interval for laptop PC connection.(1E3-11, 1E3-13, 1E3-15, 1E3-16)
1E3-11* Plasmon induced synthesis of ammonia under visible light irradiation (RIES, Hokkaido Univ.) OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
1E3-13** Plasmon-induced water splitting under visible light irradiation using gold nanostructured strontium titanate single crystals (RIES, Hokkaido Univ.) ZHONG, Yuqing; MORI, Yuko; UENO, Kosei; OSHIKIRI, Tomoya; MISAWA, Hiroaki

- 1E3-15** Highly Efficient WO₃/BiVO₄ Composite Photoelectrode for Solar Water Splitting (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.; ETRI, AIST) FUJIMOTO, Issei; WANG, Nini; SAITO, Rie; FUKU, Kojiro; MISEKI, Yugo; GUNJI, Takahiro; SAYAMA, Kazuhiro
1E3-16 Photocatalytic Decomposition of Acetaldehyde with Visible-Light-Driven TiO₂-WO₃ Mesoporous Photocatalysts Prepared by Electrospray and Hydrothermal Treatment (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) YAMAGUCHI, Yuichi; NAKATA, Kazuya; TERASHIMA, Chiaki; SAKAI, Hideki; ABE, Masahiko; FUJISHIMA, Akira

Thursday, March 27, PM

Chair: HORI, Hisao (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(1E3-33, 1E3-36, 1E3-37, 1E3-38)
1E3-33 CSJ Award for Young Chemists in Technical Development Development of a New Process for Manufacturing Isocyanates by a Non-Phosgene Method (Asahi Kasei Chemicals Corp. Chemistry & Chemical Process Labo.) SHINOHATA, Masaaki
1E3-36 Synthesis of Novel ionic liquids using Rare sugar (Fac. Edu., Kagawa Univ.) OHNISHI, Miho; TAKAGI, Yumiko
1E3-37 Development of environmental-benign material using Ionic liquids (Fac. Edu., Kagawa Univ.) YASUI, Masaki; TAKAGI, Yumiko
1E3-38* Chemical kinetic mechanism for thermal decomposition of low molecular weight-methyl esters (Grad. Sch. Eng., Osaka Pref. Univ.) PHAN, Quang thang; TAKENAKA, Norimichi

Chair: KATO, Shungo (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(1E3-40, 1E3-42, 1E3-43, 1E3-44)
1E3-40** Development of Cyclic Amine Absorbents for CO₂ Capture (RITE; NSSMC) CHOWDHURY, Firoz; YAMADA, Hidetaka; YOICHI, Matsuzaki; HIGASHI, Takayuki
1E3-42 Decomposition of a brominated flame retardant by using a new dehalogenation catalyst (ETRI, AIST) UKISU, Yuji
1E3-43 Recycle of Copper Metal by Thermal Decomposition of Polyvinyl Chloride-Covered Wire (Kagawa National College of Technology) HASHIMOTO, Norifumi; OKANO, Hiroshi
1E3-44* Photochemical recovery of rhenium component from water (Fac. Sci., Kanagawa Univ.; RIEMT, AIST) HORI, Hisao; YOSHUMURA, Yuta; MITSUMORI, Yuki; KUME, Kotomi; KUTSUNA, Shuzo; KOIKE, Kazuhide

Chair: TAKENAKA, Norimichi (16 : 40~17 : 50)

- * 16:30-16:40: interval for laptop PC connection.(1E3-47, 1E3-49, 1E3-50, 1E3-51, 1E3-52, 1E3-53)
1E3-47* Humidity dependence of optical properties of secondary organic aerosols and its relation with chemical properties (STEL, Nagoya Univ.) NAKAYAMA, Tomoki; MATSUMI, Yutaka; SATO, Kei; IMAMURA, Takashi
1E3-49 Reduction tendency of atmospheric carbonaceous and inorganic particulate concentrations from long-term observations (Osaka City Inst. Public. Health & Env. Sci.; Grad. Sch. Eng., Mie Univ.) FUNASAKA, Kunihiko; ASAKAWA, Daichi; MASUMOTO, Keiko; KANECO, Satoshi
1E3-50 Behavior of Heavy Metal-containing PM_{2.5} Transported to Fukue Island~real-time mass spectrometry and Chemical Analysis of filter sampled aerosols~ (STEL, Nagoya Univ.) HIDEMORI, Takehiro; MATSUMI, Yutaka; NAKAYAMA, Tomoki; YABUSHITA, Akihiro; OHASHI, Katsuhumi; KANEYASU, Naoki; TAKAMI, Akinori; IREI, Satoshi; HATAKEYAMA, Shiro; YHOSHINO, Ayako; SUZUKI, Ryouta; YUMOTO, Yayoi
1E3-51 Inorganic chemical composition of size-resolved aerosols at the summit of Mt. Fuji (Fac. Agr., Tokyo Univ. of Agri. and Technol.) SUZUKI, Kei; HATAKEYAMA, Shiro; SHIMADA, Koujiro
1E3-52 measurements of ozone and carbon monoxide during summer at the summit of Mt. Fuji (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) SHIOBARA, Yasuhiro; KATO, Shungo; KAJII, Yoshizumi; UCHIYAMA, Katsumi
1E3-53 Long-term observation of carbon monoxide, ozone, and volatile organic compounds at Moshiri, Hokkaido (Urban Environmental Sci., Tokyo Metropolitan Univ.) KATO, Shungo; KAJII, Yoshizumi; SERA, Masayuki; MATSUMI, Yutaka

Friday, March 28, AM

Chair: YOSHIOKA, Toshiaki (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(2E3-07, 2E3-09, 2E3-10)
2E3-07* Removal of cobalt, strontium or cesium from the aqueous solution using biomass (Hachinohe Institute of Technology Department of Biotechnology and Environmental Engineering) TSURUTA, Takehiko; SHIGA, Akira; SEKI, Kusuya; NAKAMURA, Ryohtaroh; SAWAMUKAI, Kazuya
2E3-09 Final storage of radioactive cesium using clay or natural zeolites (Dept. Appl. Chem., Nat. Def. Acad.) ASAZUKI, Kazuhito; AKAMATSU, Koki; YANO, Yudai; KAMIYA, Natsumi; TODA, Tetsuya;

ARUGA, Atsushi; NISHI, Koji; KANEO, Yoshiaki; MATSUOKA, Seiko; MATSUMOTO, Satoshi; YOKOMORI, Yoshinobu

2E3-10* Efficient Caesium Adsorbent Using Micro Capsule Beads (NRI, AIST) AKIKO, Kitajima; HIROSHI, Ogawa; KAZUNORI, Yoshino; MIKIHIRO, Takasaki; TOHRU, Kawamoto; HISASHI, Tanaka

Chair: TSURUTA, Takehiko (11 : 00~11 : 50)

* 10:50-11:00: interval for laptop PC connection.(2E3-13, 2E3-14, 2E3-16, 2E3-17)

2E3-13 Evaluation of the concentration of Cs⁺ by using complex-forming substances and ionic associates (Grad. Sch. Environmental Studies, Tohoku Univ.) HAYASHI, Kotaro; GRAUSE, Guido; KAMEDA, Tomohito; YOSHIOKA, Toshiaki

2E3-14* A Magnetic carbon sorbent for radioactive material from the Fukushima nuclear accident (TSUYAMA National College of Technology) YAMAGUCHI, Daizo

2E3-16 Basic study of cleaning effects in cleaning of microbubble with surfactant (TMCIT) IKEDA, Hiroshi; YOSHIKAWA, Takeshi; KURITA, Kastumi; AOKI, Shigeru; HIRAI, Seiji

2E3-17 Lead removal from cathode ray tube glass in the presence of PVC and HCl absorber (Grad. Sch. Environmental Studies, Tohoku Univ.) TAKAHASHI, Kenshi; GRAUSE, Guido; KAMEDA, Tomohito; YOSHIOKA, Toshiaki

Room E4
School of Engineering - Bldg. 3 333

Material Chemistry

Thursday, March 27, AM

Organic Materials

Chair: TANAKA, Kazuo (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1E4-01, 1E4-05, 1E4-06)

1E4-01 CSJ Award for Technical Development Development and Industrialization of High Contrast Dichroic Dyes and Liquid Crystal Composition for Cameras (MITSUBISHI CHEMICAL CORPORATION) ISHIDA, Mio; SHIGA, Yasuhi; TANAKA, Yuki; SASAKI, Tomoko; NISHIZAWA, Osamu

1E4-05 Synthesis of D- π -A Type Pyridinium Dyes with Julolidine as Electron-Donating Group for Mechano-fluorochromism (Fac. Eng., Hiroshima Univ.) MATSUO, Keishi; OYAMA, Yousuke; FUKUOKA, Hiroshi; OHSHITA, Joji

1E4-06 Influence of Substituents on Water Detection of Photo-induced Electron Transfer (PET) Type Fluorescence Sensor (Fac. Eng., Hiroshima Univ.) FURUE, Kensuke; OYAMA, Yousuke; OHSHITA, Joji

Chair: OHSHITA, Joji (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1E4-08, 1E4-10, 1E4-12, 1E4-13)

1E4-08* Slip Stacked Assembly of π -Conjugated Molecules: Flexibility and Processability of Single Crystals (Dept. Appl. Chem., Nat. Def. Acad.) HAYASHI, Shotaro; KOIZUMI, Toshio

1E4-10** Luminescent Polymorphism of Gold Complexes: Mechano-Triggered Single-Crystal-to-Single-Crystal Phase Transition and White Luminescence through Mixed Polymorphs (Grad. Fac. Eng., Hokkaido Univ.; Grad. Sch. Chi. Sci. and Eng., Hokkaido Univ.) SEKI, Tomohiro; SAKURADA, Kenta; ITO, Hajime

1E4-12 Synthesis of emissive ion salts based on a spirofluorene skeleton (Grad. Sch. Eng., Kyoto Univ.) HIROSE, Masataka; TANAKA, Kazuo; CHUJO, Yoshiki

1E4-13* Synthesis and Device Performance of Naphthalene and Perylene diimide based electron Acceptors (ISIR, Osaka Univ.) CHATTERJEE, Shreyam; KARAKAWA, Mokoto; IE, Yutaka; ASO, Yoshio

Chair: ASO, Yoshio (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1E4-15, 1E4-16, 1E4-17, 1E4-18, 1E4-19, 1E4-20)

1E4-15 Dye-sensitized Solar Cells using Energy Relay Dyes (Shinshu Univ. Department of Materials Science and Engineering; University of Wollongong Intelligent Polymer Research Institute) YAMAMOTO, Satoshi; MORI, Shogo; WAGNER, Pawel; MOZER, Atilla; KIMURA, Mutsumi

1E4-16 Carbazole-annelated Metallophthalocyanines with Near-IR Response in Dye-sensitized Solar Cells (Fac. Textile Sci. Technol., Shinshu Univ.) TOHATA, Yuki; KIMURA, Mutsumi

1E4-17 Development of Low Bandgap π -Conjugated Molecules Having Spontaneous Horizontal Orientation Characteristics and Their Application in Organic Solar Cells (OPERA, Kyushu Univ.) ASAHI, Keisuke; YASUDA, Takuma; SHIN, Woong; KIM, Jun yun; ADACHI, Chihaya

1E4-18 Development of Organic Solar Cells Based on Low-Bandgap π -

Conjugated Oligomers. (OPERA, Kyushu Univ.) HIDAKA, Yu; YASUDA, Takuma; SHIN, Woong; ADACHI, Chihaya

1E4-19 Synthesis and photovoltaic properties of porphyrin derivatives with different anchor units (Grad. Sch. Sci. Tech., Keio Univ.) NEGISHI, Yuta; OTSUBO, Miki; MAEDA, Chihiro; MIURA, Youhei; YOSHIOKA, Naoki

1E4-20* Synthesis, Structure and Photoelectric Properties of DPh-BTBT/P2V2TT Co-crystal System (Grad. Sch. Sci., Tohoku Univ.) MU, Shuai; TAKAISHI, Shinya; YAMASHITA, Masahiro

Thursday, March 27, PM

Low Dimensional Materials

Chair: KIMURA, Mutsumi (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1E4-28, 1E4-31, 1E4-32, 1E4-33)

1E4-28 Young Scholar Lectures of CSJ Development of Biodegradable Nanosheets with Unique Properties and Their Biomedical Applications (Tokai Univ. Institute of Innovative Sci. & Tech.) OKAMURA, Yosuke

1E4-31 Formation of super-hydrophobic surface using screen mesh transfer method (AIST Flexible Electronics Research Center) HIDEO, Tokuhisa; MORITA, Satoko; TSUKAMOTO, Shiho; ISE, Shougo; TOMITA, Mitsuru

1E4-32* Carboxylic group assisted self-assembly of covalent porous organic cages with tetraphenylmethane skeleton (Grad. Sch. Sci., Tohoku Univ.) MENGQI, Gao; SHINYA, Takaishi; MASAHIRO, Yamashita

1E4-33 Effects of Washing on Surface Properties of Silk Cloth No. 2 (Bunka Gakuen University Textile Lab.) YUMOTO, Lei; ATTAWIRIYASAKUL, Patra; YONEYAMA, Yuji

Chair: OKAMURA, Yosuke (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1E4-35, 1E4-37, 1E4-39, 1E4-40)

1E4-35* Synthesis of New Mesoporous Hybrid Nanoparticles in Supercritical Fluids (Res. Inst. of KUT) WANG, Pengyu; TORIYAMA, Keiko; KOBIRO, Kazuya

1E4-37* Fabrication of Metal Nanoparticles/Porous Coordination Polymer Thin Films (FIRST, Konan Univ.) TSURUOKA, Takaaki; OKADA, Miri; KUMANO, Misato; NAWAFUNE, Hidemi; AKAMATSU, Kensuke

1E4-39 The synthetic method and basic property of the ligand-exchange method silver nanoparticles. (KANKYO RESILIENCE CO.,LTD) NAGASAWA, Hiroshi; SEIKE, Ryuta; SYOJI, Yosuke; ITO, Kiminori

1E4-40* A Study on the size controlled synthesis and emission spectra of Lanthanide doped upconversion nanoparticle. (Grad. Sch. Eng., Nagoya Univ.) PILLAI, Sreenadh saidharan; OKAMOTO, Yukihiko; YUKAWA, Hiroshi; KAJI, Noritada; BABA, Yoshinobu

Chair: BABA, Yoshinobu (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(1E4-42, 1E4-43, 1E4-44, 1E4-45, 1E4-46, 1E4-47)

1E4-42 White luminescence and its pH effect of carbon nano-dots(C-Dots). (Fac. Sci., Saitama Univ.) SEKIYA, Ryota; YOSHIKAWA, Midori; YOSHIKAWA, Hiroshi; NAKABAYASHI, Seiichiro

1E4-43 Fabrication of polymer nanowires by a pulsed laser irradiation (MANA, NIMS) GOTO, Masahiro; SASAKI, Michiko; KASAHARA, Akira; TOSA, Masahiro; CHIKYOW, Toyohiro

1E4-44 Solvothermal Synthesis of Gallium-doped Zinc Oxide Nanoparticles and its Application to Preparation of TCO Thin Films (IMRAM, Tohoku Univ.; Toyota Motor Corporation) TAKEYA, Shunsuke; KANIE, Kiyoshi; MAEKAWA, Ryosuke; ISHIKIRIYAMA, Mamoru; MURAMATSU, Atsushi

1E4-45 Preparation of gold nano dendritic structures using transmetalation on the base metal surface (Grad. Sch. Chi. Sci. and Eng., Hokkaido Univ.) OKA, Chihito; SUDO, Shinya; KOKADO, Kenta; SADA, Kazuki

1E4-46 Size- and shape-dependent photoelectrochemical properties of CdS nanorod-immobilized ZnO Electrodes (Grad. Sch. Eng., Nagoya Univ.) IRIE, Masahiro; KAMEYAMA, Tatsuya; TORIMOTO, Tsukasa

1E4-47 Fabrication of Ni nanorods for the synthesis of short-carbon nanotubes. (Grad. Sch. Eng., Kyushu Univ.) SADA, Takao; FUJIGAYA, Tsuyohiko; NAKASHIMA, Naotoshi

Chair: TORIMOTO, Tsukasa (17 : 00~18 : 00)

* 16:50-17:00: interval for laptop PC connection.(1E4-49, 1E4-51, 1E4-53, 1E4-54)

1E4-49** Solid-state redox of molecular oxide embedded in atomic layer deposition film (Harvard Univ. Department of Chemistry & Chemical Biology; NIMS Environment and Energy Materials Division) SATOH, Norifusa; GORDON, Roy

1E4-51* Mesoporous films with vertical alignment templated by lyotropic liquid crystals based on molecular design for the vertical alignment (Grad. Sch. Eng., Nagoya Univ.) HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro

1E4-53 Phase Separated Structure of Polymer Blends in Super Fine Droplets used by Subfemto-liter Inkjet (Sch. Eng., Nagoya Univ.) MIZUNO, Tasuku; FUKUHARA, Kei; SERIZAWA, Yuma; HARA, Mitsuo; NAGANO,

Shusaku; SEKI, Takahiro

- 1E4-54** Main chain oriented film of N-type semiconducting polymer prepared by Langmuir-Schaefer method and layer-by-layer deposition with P3HT (Sch. Eng., Nagoya Univ.) OHNO, Keita; IWATSUKI, Hiroko; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro

Chair: SATOH, Norifusa (18 : 10~19 : 00)

- * 18:00-18:10: interval for laptop PC connection.(1E4-56, 1E4-57, 1E4-58, 1E4-59, 1E4-60)
- 1E4-56** Observation of liquid water using graphene sandwiched structure (Grad. Sch. Sci., Nagoya Univ.) SASAKI, Yuki; KITAURA, Ryo; SHINOHARA, Hisanori
- 1E4-57** Synthesis and structural characterization of graphene and hexagonal boron nitride heterostructures (Grad. Sch. Sci., Nagoya Univ.; Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.; NTT BRL) MAEDA, Eriko; MIYATA, Yasumitsu; HIBINO, Hiroki; KITAURA, Ryo; SHINOHARA, Hisanori
- 1E4-58** Preparation of titanium dioxide films by electrolysis of aqueous solution. (Osaka Municipal Technical Research Institute Department of Electronics Materials) CHIGANE, Masaya; SHINAGAWA, Tsutomu
- 1E4-59** Preparation and application of vertically aligned mesoporous titania film templated by amphiphilic block copolymer (Grad. Sch. Eng., Nagoya Univ.) OGURI, Ryota; HARA, Mitsuo; NAGANO, Syusaku; SEKI, Takahiro
- 1E4-60** Changes in microphase separated structures of PS-b-PMB thin films through solvent vapor annealing process (Grad. Sch. Eng., Nagoya Univ.) HIRAKAWA, Atsushi; FUKUHARA, Kei; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro

Friday, March 28, PM

Carbon Materials

Chair: NONOGUCHI, Yoshiyuki (13 : 40~14 : 30)

- * 13:30-13:40: interval for laptop PC connection.(2E4-29, 2E4-30, 2E4-31, 2E4-32, 2E4-33)
- 2E4-29** Catalytic Esterification of Graphene Oxide (RCIS, Okayama Univ.) OKADA, Yuki; NISHINA, Yuta
- 2E4-30** Synthesis and evaluation of metal-graphene composites (RCIS, Okayama Univ.) KUBO, Takuya; HAYASHI, Yasuhiko; NISHINA, Yuta
- 2E4-31** Synthesis of hetero element doped graphene and applied to the electrode material (RCIS, Okayama Univ.) HIGASHIGAKI, Takashi; TSURUTA, Kenji; NISHINA, Yuta
- 2E4-32** Preparation ruthenium (Ru) / silver (Ag) supported on multi-walled carbon nanotubes (MWCNTs) (Fac. Eng., Shinshu Univ.) NGUYEN, Giang; TANAKA, Nobuaki; NISHIKI, Hiromasa
- 2E4-33** Discussion of de-intercalation behavior of the carbon fiber (Fac. Eng., Oita Univ.) ETO, Kyohei; OUCHI, Yasuhiro; KINUMOTO, Taro; TSUMURA, Tomoki; TOYODA, Masahiro

Chair: YAMASHITA, Makoto (14 : 40~15 : 30)

- * 14:30-14:40: interval for laptop PC connection.(2E4-35, 2E4-37, 2E4-39)
- 2E4-35*** Preparation of graphene oxides with various size and oxidation degree (RCIS, Okayama Univ.) NISHINA, Yuta; MORIMOTO, Naoki
- 2E4-37*** A Flexible Thermoelectric Sheet Equipped with Single-Walled Carbon Nanotubes (Grad. Sch. Mat. Sci., NAIST) NONOGUCHI, Yoshiyuki; OHASHI, Kenji; NAKANO, Motohiro; KAWAI, Tsuyoshi
- 2E4-39** Preparation of n-type molecular donor nano-carbon composites (Grad. Sch. Mat. Sci., NAIST) OHASHI, Kenji; NONOGUCHI, Yoshiyuki; KAWAI, Tsuyoshi

Chair: KAWAI, Tsuyoshi (15 : 40~16 : 30)

- * 15:30-15:40: interval for laptop PC connection.(2E4-41, 2E4-42, 2E4-43, 2E4-44, 2E4-45)
- 2E4-41** Solubilization of infusibilized coal-tar-pitch by alkylation using Grignard reagent and evaluation of property in solid and solution state (Grad. Sch. Sci. Eng., Chuo Univ.) FUJIMOTO, Sho; FUKUDA, Takeshi; YAMAGATA, Ken-ichi; YAMASHITA, Makoto
- 2E4-42** Surface modification of diamond nanoparticle with octadecyl group (Fac. Sci. Technol., Tokyo Univ. of Sci.) ITO, Ayaka; KONDO, Takeshi; AIKAWA, Tatsuo; YUASA, Makoto
- 2E4-43** High surface and highly durable porous carbon electrodes prepared by using alumina nanoparticles as hard template (IMRAM, Tohoku Univ.) KOBAYASHI, Shunsuke; NISHIHARA, Hiroto; ITO, Masashi; HOSHIKAWA, Yasuto; NOMURA, Keita; KYOTANI, Takashi
- 2E4-44** Hydrogen adsorption in zeolite-templated carbon decorated with metal nanoclusters prepared by using metallocene as a metal source (IMRAM, Tohoku Univ.) OHTAKE, Fumihide; NISHIHARA, Hiroto; ITO, Hiroyuki; ITO, Masashi; KYOTANI, Takashi
- 2E4-45** Fabrication of sulfur-functionalized DLC films by photochemical modification and their gold nanoparticles attachment (AIST) NAKAMURA, Takako; TSUCHIYA, Tetsuo; OHANA, Tsuguyori

Inorganic Materials

Chair: NISHIHARA, Hiroto (16 : 40~17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(2E4-47, 2E4-49, 2E4-50, 2E4-51)
- 2E4-47*** The formation mechanism of polycarbosilane with high molecular weight from polydimethylsilane (Ind. Tech. Inst. Ibaraki Pref.) ANDO, Ryo; KAWAKAMI, Tomohiro; ISHIKAWA, Hiroaki; ISO, Tomoaki; HASEGAWA, Yoshio
- 2E4-49** Three-dimensional periodically ordered nanoheterostructures from self-assembled block copolymer composites (Toyota Central R&D Labs., Inc.) WAKAYAMA, Hiroaki; YONEKURA, Hiroaki; KAWAI, Yasuaki
- 2E4-50** Selective introduction of inorganic precursors into a specific polymer block of micro-phase separation structures of block copolymers (Toyota Central R&D Labs., Inc.) YONEKURA, Hiroaki; KAWAI, Yasuaki; WAKAYAMA, Hiroaki
- 2E4-51** The magnetic and electrochemical properties of three-dimensional periodically ordered nanoheterostructures from self-assembled block copolymer composites (Toyota Central R&D Labs., Inc.) WAKAYAMA, Hiroaki; YONEKURA, Hiroaki; KAWAI, Yasuaki

Saturday, March 29, AM

Chair: YAMANE, Hisanori (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3E4-01, 3E4-02, 3E4-03, 3E4-04, 3E4-05)
- 3E4-01** Preparation of Aqueous Colloidal Mesoporous Janus Nanoparticles (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; Kagami Memorial Research Inst. Materials Sci. Tech., Waseda Univ.) UJIE, Hiroto; ONISHI, Kenta; SHIMOJIMA, Atsushi; KURODA, Kazuyuki
- 3E4-02** Preparation of porous carbon with bimodal pore structures (Grad. Sch. Sci., Eng., Ehime Univ.) TAKAHASHI, Ryoji; TANAKA, Kensho; SATO, Fumiya
- 3E4-03** Preparation of the porous iron oxide by inducing phase separation phenomena (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) JINMORI, Daichi; MASUBUCHI, Yuji; MOTOHASHI, Teruki; KIKKAWA, Shinichi
- 3E4-04** Characterization of Eu³⁺ doped Ta₂O₅ fluorescent spherical particles prepared by sol-gel method (Coll. Life Sci., Ritsumeikan Univ.) YANAI, Shota; SANADA, Tomoe; WADA, Noriyuki; KOJIMA, Kazuo
- 3E4-05*** Synthesis of layered double hydroxide nanoparticles by using a tripodal ligand and their anion exchangeability (Grad. Sch. Eng., The Univ. of Tokyo) KURODA, Yoshiyuki; MIYAMOTO, Yumi; HIBINO, Mitsuhiro; YAMAGUCHI, Kazuya; MIZUNO, Noritaka

Chair: KIKKAWA, Shinichi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3E4-08, 3E4-09, 3E4-10, 3E4-11, 3E4-12)
- 3E4-08** One-pot preparation of DMF protected metal nanoclusters including silver (Grad. Sch. Eng., Hokkaido Univ.) SHISHINAI, Yu; MOTONO, Shingo; SHIRAHATA, Naoto; NAKANISHI, Takayuki; HASEGAWA, Yasuchika; YONEZAWA, Tetsu
- 3E4-09** Fluorescent gold nanoparticles obtained in PEG by a sputtering process (Grad. Sch. Eng., Hokkaido Univ.) SUMI, Taiki; MOTONO, Shingo; SHIRAHATA, Naoto; YONEZAWA, Tetsu
- 3E4-10** Formation mechanism of 3-D dendritic structures on copper foils in aqueous solutions of formamide (Coll. Sci. Eng., Kanto Gakuin Univ.) MOCHIDA, Akio; OISHI, Jyunki; MATSUI, Kazunori
- 3E4-11** Preparation and properties of layered boron/carbon material as an anode of secondary sodium ion batteries (Osaka Electro-Communication Univ.) KAMIWAKI, Chikara; KASEDA, Takayuki; KAWAGUCHI, Masayuki
- 3E4-12*** A Novel Synthetic Route to Mg₂Si Fine Particles: Formation Mechanism and Lithium Storage Properties (Toyota Central R&D Labs., Inc.) ITAHARA, Hiroshi; YAMADA, Takahiro; OH, Song-yul; ASAHII, Ryoji; IMAGAWA, Haruo; YAMANE, Hisanori

Composite Materials

Chair: YONEZAWA, Tetsu (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3E4-15, 3E4-18, 3E4-20)
- 3E4-15** CSJ Award for Outstanding Young Women Chemists Creation of Functional Organic-Inorganic Hybrid Nanostructures (Nanoscience and Nanotechnology Research Center, Osaka Pref. Univ.; JST-PRESTO) MAKIURA, Rie
- 3E4-18*** Liquid-Crystalline Organic-Inorganic Hybrid Dendrimer: Self-Organization and Photoluminescence Behavior of CdS Nanosphere (IMRAM, Tohoku Univ.; University of Sheffield) MATSUBARA, Masaki; KANIE, Kiyoshi; YABUKI, Jun; NAKAYA, Masafumi; UNGAR, Goran; MURAMATSU, Atsushi
- 3E4-20** Organic-Inorganic Hybrid Dendrimer with a Monodispersed Magnetite Nano-Core: Synthesis and the Self-Organized Structure (IMRAM, Tohoku Univ.) HINODE, Mitsuki; MATSUBARA, Masaki; NISHIDA, Ryo; NAKAYA, Masafumi; MURAMATSU, Atsushi; KANIE, Kiyoshi

Asian International Symposium-Materials Chemistry for Advanced Nanotechnology-

Saturday, March 29, PM

Chair: TERANISHI, Toshiharu (14 : 00~15 : 10)

- 3E4-31[#] Keynote Lecture** Water desalting/purification by signal-sensitive osmotic control (Seoul National University) LEE, Yan (14:00~14:30)
- 3E4-34[#] Invited Lecture** Liquid Crystalline Polymer and Block Copolymer Domain Aligned by Free Surface Segregation (Nagoya University) FUKUHARA, Kei (14:30~14:50)
- 3E4-36[#] Invited Lecture** Photoresponsive surface-grafted liquid crystalline polymer films (Nagoya University) HAQUE, Hafiz Ashraf (14:50~15:10)

Chair: SEKI, Takahiro (15 : 10~16 : 20)

- 3E4-38[#] Invited Lecture** Fabrication of doped Cu-TCNQ nanocrystals and their optical properties (Tohoku University) ONODERA, Tsunenobu (15:10~15:30)
- 3E4-40[#] Keynote Lecture** Light-responsive azobenzene-containing metal complexes and their self-assembly (Nagoya University) HAN, Mina (15:30~16:00)
- 3E4-43[#] Invited Lecture** Preparation and Properties of New-type Polymer Electrolytes of High Performance for Lithium Ion Batteries (Fudan University, China) ZHU, Yu Song (16:00~16:20)

Chair: YAMAMOTO, Kimihisa (16 : 20~17 : 20)

- 3E4-45[#] Invited Lecture** Atomic-level precise fabrication of ultra-small oxide dots to address nanoscale phenomena (NIMS) SATOH, Norifusa (16:20~16:40)
- 3E4-47[#] Invited Lecture** Anisotropic Exchange-coupled $L1_0$ -FePd/ α -Fe Isolated Nanoparticles toward High Maximum Energy Product Nanocomposite Magnets (Kyoto University) TRINH, Thang Thuy (16:40~17:00)
- 3E4-49[#] Invited Lecture** Co-doped Mn_3O_4 Nanoparticles as an Efficient and Stable Cocatalyst for Photocatalytic and Photoelectrochemical Water Oxidation (Tsukuba University) YOSHINAGA, Taizo (17:00~17:20)

Material Chemistry

Sunday, March 30, AM

Composite Materials

Chair: KONDO, Atsushi (10 : 00~11 : 00)

- * 9:50-10:00: interval for laptop PC connection.(4E4-07, 4E4-09, 4E4-11, 4E4-12)
- 4E4-07*** Synthesis of marshmallow-like flexible porous monoliths (Grad. Sch. Sci., Kyoto Univ.) HAYASE, Gen; KANAMORI, Kazuyoshi; NAKANISHI, Kazuki
- 4E4-09^{##}** Facile and Universal Method for Ionic Liquid Preparation through Evaporation of HX Gas (RLNR, Tokyo Tech) TAKAO, Koichiro
- 4E4-11** Synthesis and physical properties of inorganic-organic hybrid compounds composed of silica nanoparticles and liquid crystalline molecules (Coll. Life Sci., Ritsumeikan Univ.) WATANABE, Shuhei; HANASAKI, Tomonori; KOJIMA, Kazuo
- 4E4-12** Preparation of free-standing film and characterization of polysilsesquioxane having arylsulfonic acid as a side chain. (Fac. Sci. Technol., Tokyo Univ. of Sci.) TOMOBE, Akira; TSUKADA, Satoru; ABE, Yoshimoto; GUNJI, Takahiro

Chair: KOJIMA, Kazuo (11 : 10~12 : 10)

- * 11:00-11:10: interval for laptop PC connection.(4E4-14, 4E4-16, 4E4-17, 4E4-18, 4E4-19)
- 4E4-14*** Development of POSS fillers for improving thermal stability and reducing melting temperatures of ionic liquids (Grad. Sch. Eng., Kyoto Univ.) TANAKA, Kazuo; JEON, Jonghwan; CHUJO, Yoshiki
- 4E4-16** Preparation of imidazolium group-containing silsesquioxane ionic liquid (Grad. Sch. Sci., Eng., Kagoshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) ISHII, Takuhiro; ENOKI, Toshiaki; MIZUMO, Tomonobu; OHSHITA, Joji; KANEKO, Yoshiro
- 4E4-17** Intercalation and Exfoliation of Layered Lanthanide 1,3,5-Benzene-triphosphonates (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) SUGAWARA, Noriaki; ARAKI, Takahiro; KONDO, Atsushi; MAEDA, Kazuyuki
- 4E4-18** Luminescence Property of Fusion Material of Europium Complex Doped in Nacre Layer (Grad. Sch. Sci., Eng., Aoyama Gakuin Univ.; Grad. Sch. Life Sci., Tohoku Univ.) YAMADA, Chisaki; OGAWA, Tomohisa; HASEGAWA, Miki
- 4E4-19** Synthesis of polyurethane using beta-diketonato or beta-ketoate complex. (Fac. Sci. Technol., Tokyo Univ. of Sci.) HAYAMI, Ryouhei; TSUKADA, Satoru; ABE, Yoshimoto; GUNJI, Takahiro

Sunday, March 30, PM

Chair: KOKADO, Kenta (13 : 20~14 : 10)

- * 13:10-13:20: interval for laptop PC connection.(4E4-27, 4E4-28, 4E4-29, 4E4-30, 4E4-31)
- 4E4-27** Synthesis of fullerene derivative having azaazulene group as a side chain (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) MATSUTA, Yuya; TSUKADA, Satoru; ABE, Noritaka; GUNJI, Takahiro
- 4E4-28** Formation of pseudorotaxane structure consisting of carbon nanotubes and metal oxide nanostructures (Grad. Sch. Sci. Tech., Keio Univ.) KATO, Daisuke; OAKI, Yuya; IMAI, Hiroaki
- 4E4-29** Fabrication of Macropore Array based on Graphene Oxide and SnO_2 (Grad. Sch. Env. Sci., Okayama Univ.; RCIS, Okayama Univ.; JST PRESTO; Grad. Sch. Nat. Sci. Technol., Okayama Univ.) GOTO, Haruko; OZAWA, Yushi; TAJIMA, Tomoyuki; NISHINA, Yuta; NISHI, Masayasu; OHKUBO, Takahiro; TAKAGUCHI, Yutaka
- 4E4-30** Liquid-Crystalline Behavior of Ring-Shaped Polyoxomolybdate Having Bulky Quaternary Ammonium Cations (Coll. Life Sci., Ritsumeikan Univ.) WATANABE, Ryohei; TSUMORI, Tatsuhiro; TSUTSUMI, Osamu
- 4E4-31** Electrochemical properties of organic/inorganic hybrid materials containing ring type polyoxomolybdate (Coll. Life Sci., Ritsumeikan Univ.) NISHIDA, Shota; TSUTSUMI, Osamu

Chair: TSUTSUMI, Osamu (14 : 20~15 : 00)

- * 14:10-14:20: interval for laptop PC connection.(4E4-33, 4E4-34, 4E4-35, 4E4-36)
- 4E4-33** Organic-Inorganic Polymer Hybrids from Acrylate Polymer having a Triphenylimidazole Moiety and Alkoxy silane. (Tokyo City Univ. graduate school of engineering.) TAKASAKI, Masato; HIROKI, Kento; IWAMURA, Takeru
- 4E4-34** Synthesis of organic-inorganic composite materials deposited on precise polymer network derived from metal-organic framework (Sch. Sci., Hokkaido Univ.) MOCHIZUKI, Yumi; OKA, Chihiro; ISHIWATA, Takumi; KOKADO, Kenta; SADA, Kazuki
- 4E4-35** Preparation and properties of polyimide/Zr₂WP₂O₁₂ composites (Grad. Sch. Sci., Eng., Tokyo Tech) SAITO, Shiomi; ISOBE, Toshihiro; MATSUSHITA, Sachiko; MURAKAMI, Tomoya; ANDO, Shinji; NAKAJIMA, Akira
- 4E4-36** Synthesis of polysilsesquioxane using formic acid (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) MURAKAMI, Tomoki; TUKADA, Satoru; ABE, Yoshimoto; GUNJI, Takahiro

Room E5

School of Engineering - Bldg. 3 341

Functions of Materials

Thursday, March 27, AM

Chair: JIANG, Dong-lin (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1E5-01, 1E5-02, 1E5-03, 1E5-04, 1E5-05, 1E5-06)
- 1E5-01** Incorporation of Ti into Layered Silicate HUS-2 by Grafting with Titanium Acetylacetonate and Its Photocatalytic Activity (Fac. Eng., Hiroshima Univ.) YAGENJI, Yuya; TSUNOJI, Nao; IDE, Yusuke; SAZAGANE, Masahiro; SANO, Tsuneji
- 1E5-02** Water-Soluble Phenoxazine-type Color Former for Gamma-Ray Detection with Naked Eye (Grad. Sch. Sci., Eng., Saitama Univ.; Tokyo Metropolitan Industrial Technology Research Institute) ONO, Saori; SEKIGUCHI, Masayuki; TACHIKAWA, Tatsuya
- 1E5-03** Color Change of Naphthalenetetracarboxylic Acid Diimide Derivatives by Odor Substances (Tri, Osaka) YAMASHITA, Reiko; KITA, Kohji
- 1E5-04** Properties of supercapacitors comprising metal nanowire electrodes (KIT) NAKANISHI, Hideyuki; KIKUTA, Ikuo; SEGAWA, Hiroyo; NORISUYE, Tomohisa; TRAN-CONG-MIYATA, Qui
- 1E5-05** Miscibility and carrier mobility of binary systems of alkylated dichienyl naphthalene homologues (UBIQEN, AIST; Fac. Sci. Tech., Ryukoku Univ.) KAWANO, Kouki; NAWAMOTO, Shinzo; NISHIKAWA, Hiroyo; MONOBE, Hirotsato; SHIMIZU, Yo
- 1E5-06** Anomalous photovoltaic effect based on internal electric field of ferroelectric liquid crystal (Grad. Sch. Eng., Kagawa Univ.; HTRC, AIST) FUNATSU, Yusuke; SONODA, Akinari; FUNAHASHI, Masahiro

Chair: IINO, Hiroaki (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1E5-08, 1E5-10, 1E5-12)
- 1E5-08*** Mesomorphic properties and electron transport of perylene-tetracarboxylic bisimide derivatives bearing cyclic siloxane moieties (Fac. Eng., Kagawa Univ.) FUNAHASHI, Masahiro; TAKENAMI, Kaede; SONODA, Akinari
- 1E5-10^{##}** Carrier mobility of the binary system with perfluoroalkylated non-

peripheral type phthalocyanine liquid crystal and C60 derivative (UBIQEN, AIST) SOSA-VARGAS, Lydia; NEKELSON, Fabien; OKUDA, Daiju; TAKAHASHI, Minokazu; YOSHIDA, Hiroyuki; FUJII, Akihiko; OZAKI, Masanori; SHIMIZU, Yo

1E5-12* Photoinduced electron transfer in covalent organic frameworks (Institute for Molecular Science Material Molecular Science) JIN, Shangbin; JIANG, Donglin

Chair: SHIMIZU, Yo (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(1E5-15, 1E5-17, 1E5-19)

1E5-15* Half-metallic $\text{CaCu}_3\text{Fe}_2\text{Re}_2\text{O}_{12}$ with fully spin-polarized conduction carriers (ICR, Kyoto Univ.) SHIMAKAWA, Yuichi; CHEN, Wei-tin; MIZUMAKI, Masaichiro; SEKI, Hayato; SAITO, Takashi; KAN, Daisuke

1E5-17* Influence of charge-transfer complexes into the electrode layer of nanocarbon polymer actuator (AIST HRI; ALPS ELEC.) SUGINO, Takashi; SHIBATA, Yoshiyuki; ASAKA, Kinji; MITSUMORI, Kenichi; TAKATSUKA, Tomomasa; TAKAHASHI, Isao

1E5-19 Fabrication of monodispersed mesoporous TiO_2 spheres for the novel photo electrode material (Center for Priority Areas, Tokyo Metropolitan Univ.) YAMAMOTO, Daisuke; TAKEDA, Yuichiro; NABETANI, Yu; YANO, Kazuhisa; TACHIBANA, Hiroshi; INOUE, Haruo

Thursday, March 27, PM

Chair: HIGASHIGUCHI, Kenji (13 : 20~14 : 20)

* 13:10-13:20: interval for laptop PC connection.(1E5-27, 1E5-28, 1E5-29, 1E5-30, 1E5-31)

1E5-27 Photochromism of Naphthopyrans with Fast Thermal Bleaching Property 1 (Coll. Sci. Eng., Aoyama Gakuin Univ.) NAKAGAWA, Yuki; NAKAGAWA, Hisako; KOBAYASHI, Yoichi; ABE, Jiro

1E5-28 Photochromism of Naphthopyrans with Fast Thermal Bleaching Property 2 (Coll. Sci. Eng., Aoyama Gakuin Univ.) NAKAGAWA, Hisako; NAKAGAWA, Yuki; KOBAYASHI, Yoichi; ABE, Jiro

1E5-29 Synthesis and Photochromic Properties of Ionic Azobenzene Derivatives (1) Photo-controlled Solid-Liquid Phase Transition (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST-CREST; DENSO Co.) ISHIBA, Keita; CHIKARA, Chie; TOYAMA, Yasuhiro; KAWAKITA, Mika; MORIKAWA, Masa-aki; KIMIZUKA, Nobuo

1E5-30 Synthesis and Photochromic Properties of Ionic Azobenzene Derivatives (2) Dependence of the Crystal Structures on the Photo-induced Phase Transition (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. CMS; JST-CREST; DENSO Co.) NAGAO, Yuya; ISHIBA, Keita; TOYAMA, Yasuhiro; KAWAKITA, Mika; MORIKAWA, Masa-aki; KIMIZUKA, Nobuo

1E5-31* Isomerization mechanism for a single azobenzene derivative on metal surface (RIKEN SISL) KAZUMA, Emiko; HAN, Mina; OH, Junepyo; SEKI, Takahiro; KIM, Yousoo

Chair: KOBAYASHI, Yoichi (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(1E5-34, 1E5-35, 1E5-37, 1E5-39)

1E5-34 Synthesis and Photochromic Property of Oligo(2-phenylthiazole)s (Grad. Sch. Mat. Sci., NAIST) IMAMURA, Kazuhiko; NAKASHIMA, Takuya; KAWAI, Tsuyoshi

1E5-35* Fast thermal cis-trans isomerization depending on pH and additives of water-soluble azobenzene derivatives containing a phosphate group (RIES, Hokkaido Univ.) OCHI, Rika; PERUR, Nishad; YOSHIDA, Kazutoshi; TAMAOKI, Nobuyuki

1E5-37* Unique crystal bending behavior of diarylethene derivatives upon photoirradiation (Grad. Sch. Eng., Osaka City Univ.) KITAGAWA, Daichi; KOBATAKE, Seiya

1E5-39 Preparation and photoinduced bending behavior of diarylethene microfibers (Grad. Sch. Eng., Osaka City Univ.) TSUJIOKA, Hajime; KOBATAKE, Seiya

Chair: HARA, Mitsuo (15 : 40~16 : 40)

* 15:30-15:40: interval for laptop PC connection.(1E5-41, 1E5-43, 1E5-45)

1E5-41* Direct observation of biradical-quinoid valence isomerization triggered by fast photochromism (Coll. Sci. Eng., Aoyama Gakuin Univ.) MUTOH, Katsuya; ABE, Jiro

1E5-43* Real-Time Hologram of 3D Objects with Fast Photochromism (Coll. Sci. Eng., Aoyama Gakuin Univ.) KOBAYASHI, Yoichi; NAKAGAWA, Yuki; NAKAGAWA, Hisako; ABE, Jiro

1E5-45* Control of the photochromic behavior of biaryl-bridged imidazole dimers (Coll. Sci. Eng., Aoyama Gakuin Univ.) YAMAGUCHI, Tetsuo; KOBAYASHI, Yoichi; ABE, Jiro

Chair: FUKAMINATO, Tsuyoshi (16 : 50~17 : 50)

* 16:40-16:50: interval for laptop PC connection.(1E5-48, 1E5-50, 1E5-52)

1E5-48* Observation on photoreorientation behavior in liquid crystalline azobenzene block copolymer by real space observation (Grad. Sch. Eng., Nagoya Univ.) SANO, Masami; NAKAMURA, Shiyuko; NAGANO, Shusaku; HARA, Mitsuo; SHINOHARA, Yuya; AMEMIYA, Yoshiyuki; SEKI, Takahiro

1E5-50* Ubiquitous Photoalignment of Liquid Crystalline Polymers by a Segregated Free Surface Layer (Grad. Sch. Eng., Nagoya Univ.)

FUKUHARA, Kei; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro
1E5-52* Optical texture changes at the phase transitions and of azobenzene-triphenylene liquid crystalline homologues exhibiting both calamitic and discotic mesophases (UBIQEN, AIST; Ryukoku Univ. DMC) OKUDA, Daiju; TANAKA, Daisuke; MINOBE, Ryota; UCHIDA, Kingo; SHIMIZU, Yo

Friday, March 28, AM

Chair: NAGANO, Shusaku (9 : 00 ~9 : 40)

* 8:50-9:00: interval for laptop PC connection.(2E5-01, 2E5-02, 2E5-03, 2E5-04)

2E5-01 pH-Responsive Structural Colored Balloons (Grad. Sch. Eng., Kyoto Univ.; JST-PRESTO) IMAI, Jun; HIGASHIGUCHI, Kenji; MATSUDA, Kenji

2E5-02 Photochromic Properties of Azobenzene-Bridged Imidazole Dimer (Coll. Sci. Eng., Aoyama Gakuin Univ.) ARAI, Hiroki; MUTOH, Katsuya; KOBAYASHI, Yoichi; ABE, Jiro

2E5-03 Aggregation and Photoreaction Property of Diarylethene Containing Amphiphilic Groups (Grad. Sch. Eng., Kyoto Univ.; JST-PRESTO) TAIRA, Genki; HIGASHIGUCHI, Kenji; HIROSE, Takashi; MATSUDA, Kenji

2E5-04 Photochromic reactivity control of salicylideneaniline derivatives using crystalline-state γ - α photoisomerization (Grad. Sch. Sci., Eng., Tokyo Tech) YAMAZAKI, Yuta; UEKUSA, Hidehiro; SEKINE, Akiko

Friday, March 28, PM

Chair: YUASA, Junpey (13 : 00~14 : 00)

* 12:50-13:00: interval for laptop PC connection.(2E5-25, 2E5-26, 2E5-27, 2E5-28, 2E5-29, 2E5-30)

2E5-25 The Relationship between the Photochromic Properties and the Distances between Two Cross-Linking Points (Coll. Sci. Eng., Aoyama Gakuin Univ.) FUJITA, Yuki; YAMASHITA, Hiroaki; KOBAYASHI, Yoichi; ABE, Jiro

2E5-26 Electrochemistry of the biaryl-bridged imidazole dimers (Coll. Sci. Eng., Aoyama Gakuin Univ.) NAKANO, Emi; MUTOH, Katsuya; KOBAYASHI, Yoichi; ABE, Jiro

2E5-27 Photochromism of Diarylethene on Anisotropic Gold Nanoparticle (Grad. Sch. Eng., Kyoto Univ.; JST-PRESTO) NAKAZAKI, Mizuho; HIGASHIGUCHI, Kenji; MATSUDA, Kenji

2E5-28 Photoinduced 3D alignment switch of micro-phase separated cylindrical structure in side chain liquid crystalline block copolymer (Grad. Sch. Eng., Nagoya Univ.) NAGASHIMA, Yuki; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro

2E5-29 Sub-diffraction-limit fluorescence pattern formation by using diarylethene derivatives (Sch. Eng. Sci., Osaka Univ.) IKEGAMI, Takahiro; ITO, Syoji; MIYASAKA, Hiroshi; UNO, Kakishi; TAKAGI, Yuta; MORIMOTO, Masakazu; IRIE, Masahiro

2E5-30 Synthesis of azobenzene photoinitiator and application to wrinkle formation by photoprocess (Grad. Sch. Eng., Nagoya Univ.) YAMAOKA, Daichi; HARA, Mitsuo; NAGANO, Syusaku; SEKI, Takahiro

Chair: MORIMOTO, Masakazu (14 : 10~15 : 10)

* 14:00-14:10: interval for laptop PC connection.(2E5-32, 2E5-33, 2E5-34, 2E5-35, 2E5-36, 2E5-37)

2E5-32 Synthesis of Photochromic Polymers Bearing Terarylenes (Grad. Sch. Mat. Sci., NAIST) HORI, Keichi; NAKASHIMA, Takuya; ANDO, Tsuyoshi; KAWAI, Tsuyoshi

2E5-33 Photo-switching of Luminescence from Photochromic Tetra-arylene Derivatives (Grad. Sch. Mat. Sci., NAIST) YUICHIRO, Hashimoto; TAKUYA, Nakashima; KAZUMA, Uemura; JUNPEI, Yuasa; TSUYOSHI, Kawai

2E5-34 Control of photoisomerization of azobenzene derivatives using the clay surface as a reaction field (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) UMEMOTO, Tetsuro; OHTANI, Yuta; TSUKAMOTO, Takamasa; SHIMADA, Tetsuya; TAKAGI, Shinsuke

2E5-35 Fluorescence Switching and Excited-States of Terarylene-tetraoxide (Grad. Sch. Mat. Sci., NAIST) KANAZAWA, Rui; NAKASHIMA, Takuya; KAWAI, Tsuyoshi

2E5-36 Efficient photoacid generator based on photochromic terarylene backbone (Grad. Sch. Mat. Sci., NAIST; Coll. Sci. Eng., Aoyama Gakuin Univ.) TSUCHIE, Kenta; NAKASHIMA, Takuya; NAKAGAWA, Hisako; MUTOH, Katsuya; KOBAYASHI, Yoichi; ABE, Jiro; KAWAI, Tsuyoshi

2E5-37 Photoreversible On-off Recording of Persistent Room Temperature Phosphorescence (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KATSURADA, Yuki; HIRATA, Shuzo; TOTANI, Kenro; VACHA, Martin; WATANABE, Toshiyuki

Chair: WATANABE, Toshiyuki (15 : 20~16 : 20)

* 15:10-15:20: interval for laptop PC connection.(2E5-39, 2E5-40, 2E5-41, 2E5-42, 2E5-43, 2E5-44)

2E5-39 Light-driven Bending of Polymer Films in which Photomechanical Crystals are Aligned (Grad. Sch. Sci., Eng., Ehime Univ.) KOSHIMA, Hideko; MIZUKAWA, Takaaki; MATSUDOMI, Masafumi

- 2E5-40** Photochromic properties of conjugation extended thiophenophan-1-enes (Grad. Sch. Sci. Eng., Saga Univ.) TAKESHITA, Michinori; HATCHO, Natsumi
- 2E5-41** Synthesis of water-soluble photochromic diarylethene derivatives (Rikkyo Univ. Fac. Sci.) YAGI, Akira; MORIMOTO, Masakazu; IRIE, Masahiro
- 2E5-42** Fluorescence photoswitching based on the non-linear fluorescence quenching in fluorescent diarylethene nanoparticles (RIES, Hokkaido Univ.) FUKAMINATO, Tsuyoshi; SU, Jia; METIVIER, Remi; NAKATANI, Keitaro
- 2E5-43** Effect of polyhydric alcohols on photochromic properties of WO₃/methylcellulose composite films (Grad. Sch. Sci. Eng., Yamaguchi Univ.) ISHIDA, Hiroki; ADACHI, Kenta; YAMAZAKI, Suzuki
- 2E5-44** Synthesis of photoswitchable fluorescent diarylethene derivatives - substituent effect on the fluorescence in polar solvents (Rikkyo Univ. Fac. Sci) TAKAGI, Yuta; MATSUURA, Chinatsu; ITO, Soji; MIYASAKA, Hiroshi; MORIMOTO, Masakazu; IRIE, Masahiro

Chair: TAKESHITA, Michinori (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(2E5-46, 2E5-47, 2E5-48, 2E5-49, 2E5-50)
- 2E5-46** Liquid crystalline and microphase separated structure orientation of diblock copolymer composed of two mesogenic blocks (Grad. Sch. Eng., Nagoya Univ.) BEPPU, Koichiro; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro
- 2E5-47** Photocontrol of surface fine wrinkle patterns by elasticity modulation of liquid crystal azobenzene polymer (Grad. Sch. Eng., Nagoya Univ.) TAKESHIMA, Takahiro; HARA, Mitsuo; NAGANO, Syusaku; SEKI, Takahiro
- 2E5-48** Photomechanical Motion of Chiral Cocrystals of Salicylideneanilines (Grad. Sch. Sci., Eng., Ehime Univ.) MATSUDOMI, Masaffumi; YAMAOKA, Yohei; KOSHIMA, Hideko
- 2E5-49** Synthesis of fluorescent diarylethenes having a benzothiophene ring at the central moiety (Rikkyo Fac. Sci.) INATOME, Toru; MORIMOTO, Masakazu; IRIE, Masahiro
- 2E5-50*** Graphene Oxide Fuel Cell (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) TATEISHI, Hikaru; HATAKEYAMA, Kazuto; OGATA, Chikako; TANIGUCHI, Takaaki; KOINUMA, Michio; MATSUMOTO, Yasumichi

Saturday, March 29, AM

Chair: SASAI, Ryo (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3E5-01, 3E5-02, 3E5-03, 3E5-04, 3E5-05, 3E5-06)
- 3E5-01** Control of plasmonic properties of copper nanostructures without oxidized surfaces and evaluation of their local electric fields (Coll. Sci. Tech., Nihon Univ.) SUGAWA, Kosuke; TAMURA, Takahiro; TAHARA, Hironobu; AKIYAMA, Tsuyoshi; OTSUKI, Joe
- 3E5-02** Spectroscopic properties of metallic optical antennae in terahertz frequency (RIES, Hokkaido Univ.; JST-PRESTO; INRS-EMT, University of Quebec) NOZAWA, Sho; UENO, Kosei; MISAWA, Hiroaki; MAZHOROVA, Anna; CLERICI, Matteo; RAZZARI, Luca; MORANDOTTI, Roberto
- 3E5-03** Photoluminescence properties of liquid-crystalline gold complexes in nano-particles (Coll. Life Sci., Ritsumeikan Univ.) NAKAMURA, Kyosuke; TAMARU, Masakazu; TAMAI, Sho; TSUTSUMI, Osamu
- 3E5-04** Thermal-Mode Control of Luminescent Color from Liquid-Crystalline Discotic Trinuclear Gold(I) Complexes (Coll. Life Sci., Ritsumeikan Univ.) NAKASATO, Hitoya; TAMAI, Sho; SUGIMOTO, Nana; TAMARU, Masakazu; TSUTSUMI, Osamu
- 3E5-05** Electron conductivity of liquid-crystalline cyclic trinuclear gold(I) complex (Coll. Life Sci., Ritsumeikan Univ.) SHIMAI, Shingo; TAMARU, Masakazu; TSUTSUMI, Osamu
- 3E5-06** Liquid-crystalline behavior and photoluminescence properties of rod-like gold complexes with naphthalene unit (Coll. Life Sci., Ritsumeikan Univ.) ROKUSHA, Yuki; TSUTSUMI, Osamu

Chair: EINAGA, Yasuaki (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3E5-08, 3E5-09, 3E5-10, 3E5-12)
- 3E5-08** Luminescent properties of rod-like gold complexes in chiral liquid-crystalline phase (Coll. Life Sci., Ritsumeikan Univ.) SUGIMOTO, Nana; TSUTSUMI, Osamu
- 3E5-09[#]** White-Color Emission from Single Material: Photoluminescence Behavior of Polymer Liquid Crystals with Gold(I) Complexes as a Mesogen (Coll. Life Sci., Ritsumeikan Univ.) YOUNIS, Osamu; TAMAI, Sho; TSUTSUMI, Osamu
- 3E5-10[#]** Laser flash photolysis study of polyfluorinated cationic surfactants containing azobenzene moiety confined in nano-layered microenvironment (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) RAMAKRISHNAN, Vivek; Horiguchi, Haruo; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3E5-12*** Characterization of Molecular Detection Ability of Layered Double Hydroxide/Dye/Surfactant Hybrid Solid under High Humidity Conditions

(Fac. Sci. Eng., Shimane Univ.) SASAI, Ryo; YAMAMOTO, Satoshi; NAITO, Akane

Chair: TSUTSUMI, Osamu (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(3E5-15, 3E5-16, 3E5-17, 3E5-19)
- 3E5-15** Photophysical properties of up-conversion based on triplet-triplet annihilation in hydrophobic DNA matrix (Fac. Eng., Shizuoka Univ.; Grad. Sch. Eng., Shizuoka Univ.) MANISHI, Hironori; MATSUMOTO, Shinya; KAWAI, Hideki
- 3E5-16** Magnetic Property of the Ferromagnetic-Semiconducting Nanosheets Assembly (Fac. Sci. Tech., Keio Univ.) TSUBOI, Tomoya; NAMBA, Hiroaki; YAMAMOTO, Takashi; EINAGA, Yasuaki
- 3E5-17*** Photocontrollable Superconductivity in Boron-Doped Diamond (Fac. Sci. Tech., Keio Univ.) NATSUI, Keisuke; AKAHORI, Miku; YAMAMOTO, Takashi; EINAGA, Yasuaki
- 3E5-19*** Proton Conductivities of Graphene Oxide Nanosheets (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) HATAKEYAMA, Kazuto; OGATA, Chikako; TATEISHI, Hikaru; KOINUMA, Michio; TANIGUCHI, Takaaki; HAYAMI, Shinya; MATSUMOTO, Yasumichi

Saturday, March 29, PM

Chair: KAWAMATA, Jun (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3E5-28, 3E5-29, 3E5-30, 3E5-31, 3E5-32, 3E5-33)
- 3E5-28** Photo-induced Interlayer Space Control and Nanostructure of Azobenzen/ Nibate Hybrids (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) Horiguchi, Haruo; MATSUKURA, Shoichi; VIVEK, Ramakrishnan; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3E5-29** Nanoscroll synthesis and magnetic effect on their orientation (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) NABETANI, Yu; UCHIKOSHI, Akino; MIYAJIMA, Soki; YAMATO, Masafumi; TACHIBANA, Hiroshi; INOUE, Haruo
- 3E5-30** Formation of phase-separated colloid liquid crystals by mixing inorganic nanosheets and rods (KIT Applied Chemistry) NAKATO, Teruyuki; NAKASHIMA, Motoki; MIZUE, Taiki; MOURI, Emiko
- 3E5-31** Time-dependent luminescent properties of rare-earth complexes dispersed in organogels (Fac. Edu., Shimane Univ.) NISHIYAMA, Katsura; WATANABE, Yasuhiro; HARADA, Takashi; KAMADA, Kenji; KAWAI, Hideki
- 3E5-32** Photochemical Behavior of Cobaltate Nanosheet/Porphyrin Alternating Stacked Films. (Fac. Sci. Eng., Shimane Univ.) KATO, Yuki; SASAI, Ryo
- 3E5-33** Synthesis of Hybrid Materials using Graphene Oxide / Metal Oxide Nanosheet (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) FUNATSU, Asami; TANIGUCHI, Takaaki; SAKATA, Masayo; MATSUMOTO, Yasumichi

Chair: TACHIBANA, Hiroshi (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3E5-35, 3E5-36, 3E5-37, 3E5-38, 3E5-39, 3E5-40)
- 3E5-35** Effect of the diameter of a monodispersed spherical silica on covering the silica surface with a layered silicate (Grad. Sch. Sci. Technol., Shinsu Univ.) SUZUKI, Asuka; YOSHIDO, Shiho; MISHIMA, Shoichi; OKADA, Tomohiko
- 3E5-36** Intercalation of surfactant and dye to the layered double hydroxides thin films. (Yonago Nat. Coll. of Tech.) DATE, Yusuke; SASAI, Ryo; AOKI, Kaoru; ODA, Kohei
- 3E5-37** The construction of clay /porphyrin layered structure and its photochemical behavior (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) NISHINAKA, Hiromasa; ANDO, Yuka; OHTANI, Yuta; FUJIMURA, Takuya; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 3E5-38** Two-photon absorption property of a diphenylacetylene derivative intercalated into a smectite (Fac. Sci., Yamaguchi Univ.) SATOMI, Koichiro; SUGIHARA, Hiroyuki; MOCHIDA, Shuhei; SAITO, Takako; SUZUKI, Yasutaka; KAWAMATA, Jun
- 3E5-39** Pressure sensitive hybrid films consisting of a clay, a biphenyl derivative and a polymer (Grad. Sch. Med., Yamaguchi Univ.) TOMINAGA, Makoto; MATSUO, Hideaki; NAKAMURA, Ai; SUZUKI, Yasutaka; KAWAMATA, Jun
- 3E5-40** Adsorption of organic dyes to the anisotropic gel of liquid crystalline nanosheet/polymer hybrid (Fukuoka Inst. Tech. Life, Environment and Material Science) IKEDA, Shogo; MIYAMOTO, Nobuyoshi

Chair: KOBATAKE, Seiya (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3E5-42, 3E5-43, 3E5-44, 3E5-45, 3E5-46, 3E5-47)
- 3E5-42** Photochromism of Structural Isomers for [2,2]paracyclophane-bridged imidazole dimers (Coll. Sci. Eng., Aoyama Gakuin Univ.) SHIMA, Kentaro; KOBAYASHI, Yoichi; ABE, Jiro
- 3E5-43** Visible-light response of [2,2]paracyclophane-bridged imidazole dimer containing a zinc tetraphenyl porphyrin unit (Coll. Sci. Eng., Aoyama Gakuin Univ.) YAMANE, Takuya; KOBAYASHI, Yoichi; ABE, Jiro

Room E6

School of Engineering - Bldg. 3 342

Applications of Materials

Thursday, March 27, AM

High performance materials · particles

Chair: MAENOSONO, Shinya (9 : 10 ~ 10 : 10)

* 9:00-9:10: interval for laptop PC connection.(1E6-02, 1E6-03, 1E6-04, 1E6-05, 1E6-06)

1E6-02 Preparation of Fluoroalkyl End-capped Cooligomeric Nanoparticles Possessing the Lower Critical Solution Temperature Characteristic (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology) NISHIURA, Katsuhito; KIJIMA, Tetsushi; SAWADA, Hideo

1E6-03 Reaction of Fluoroalkyl End-capped N-(1,1-dimethyl-3-oxobutyl) acrylamide Oligomer with Ammonia (Hirosaki University Graduate school of science and technology; Shimane Univ. school of medicine) SHIMAMURA, Takuto; SOUMA, Saki; YOSHIDA, Masato; SAWADA, Hideo

1E6-04 Thermal Stability of Nitrile Segments End-capped N, N-Dimethylacrylamide Oligomer/Silica Nanocomposite (Hirosaki University Graduate school of science and technology; AIST chubu) KABUTOMORI, Masakazu; OKUNO, Keita; NISHIDA, Masakazu; FUKAYA, Haruhiko; HAYAKAWA, Yoshio; SAWADA, Hideo

1E6-05 Efficient organofunctionalization on silica gel surface at room temperature (Dept. of Chem. Eng., NNCT) ICHII, Shun; MOITRA, Nirmalya; KANAMORI, Kazuyoshi; KAMEI, Toshiyuki; NAKANISHI, Kazuki; SHIMADA, Toyoshi

1E6-06 Withdrawn

Chair: SHIMADA, Toyoshi (10 : 10 ~ 11 : 00)

* 10:00-10:10: interval for laptop PC connection.(1E6-08, 1E6-10, 1E6-11, 1E6-12)

1E6-08* Preparation of Fluoroalkyl End-capped Oligomers/Polyaniline Nanocomposites by Using Commercially Available Polyaniline - Application to the Preparation of Gold Nanoparticles (Hirosaki University Graduate school of science and technology) TSUZUKI-ISHI, Taiki; SAWADA, Hideo

1E6-10 Synthesis and Applications of Fluorinated Alcohols/Boric Acid Nanocomposites (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; UNIMATEC) JIN, Natsuki; SAITO, Tomoya; SATO, Katsuyuki; SAWADA, Hideo

1E6-11 Preparation and Characterization of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Boric Acid Nanocomposite (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; AIST Chubu) AOMI, Yuta; OGASAWARA, Takafumi; NISHIDA, Masakazu; TANAKA, Tomoko; SAWADA, Hideo

1E6-12 Inclusion of aliphatic and aromatic alcohols by head-to-head type styrene dimers bearing two fluoroalkyl end-groups (Shimane Univ. School of Medicine; Hirosaki Univ. Graduate School of Science Technology) IIZUKA, Mari; OKUNO, Keita; YAMAZAKI, Shohei; OKAZAKI, Masaaki; SAWADA, Hideo; YOSHIDA, Masato

Chair: AOKI, Atsushi (11 : 10 ~ 12 : 00)

* 11:00-11:10: interval for laptop PC connection.(1E6-14, 1E6-16, 1E6-17, 1E6-18)

1E6-14* Preparation and Application to the Surface Modification of a Variety of Fluorinated Acid Fluorides/Calcium Carbonate Nanocomposites (Hirosaki University Graduate school of science and technology; Mitsubishi Materials Electronic Chemicals Co., Ltd.) SAITO, Tomoya; HONDA, Tsunetoshi; KAMIYA, Takeshi; FUJITA, Masato; SAWADA, Hideo

1E6-16 Preparation of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Talc Nanocomposites-encapsulated a Variety of Guest Molecules and Their Application to the Surface Modification (Hirosaki University Graduate school of science and technology) OIKAWA, Yuri; SAITO, Tomoya; SAWADA, Hideo

1E6-17 Fabrication and applications of structurally colored secondary particles by rotary stirring method (Sch. Eng., Nagoya Univ.) SUZUKI, Motoki; IWATA, Masanori; TESHIMA, Midori; TAKEOKA, Yukikazu; SEKI, Takahiro

1E6-18 Sugar modified magnetic-plasmonic hybrid nanoparticles (Sch. Mat. Sci., JAIST) TAKAHASHI, Mari; MOHAN, Priyank; MOTT, Derrick; MATSUMURA, Kazuaki; NAKADE, Akiko; HAMADA, Tsutomu; MAENOSONO, Shinya

Thursday, March 27, PM

Chair: NISHIDA, Masakazu (13 : 10 ~ 14 : 00)

* 13:00-13:10: interval for laptop PC connection.(1E6-26, 1E6-28, 1E6-29)

1E6-26** Photocatalytic Activity of Fluorinated Acrylate-Acrylic Acid Cool-

3E5-44 Synthesis and optical property of Naphthopyran with bulky substituent (Coll. Sci. Eng., Aoyama Gakuin Univ.) ARAI, Katsutoshi; KOBAYASHI, Yoichi; ABE, Jiro

3E5-45 Highly Enantioselective Photochromism of Bisthienylethene in Human Serum Albumin (Grad. Sch. Eng., Yokohama Natl. Univ.) OSAWA, Ken; MARUYAMA, Naoki; KAWAMURA, Koichi; ISHIHARA, Shinji; YOKOYAMA, Yasushi

3E5-46 Photochromism and Acid-Base interactions of Bisthienylethenes having Nitrogen-Containing Ligands as Pendant Arms (Grad. Sch. Eng., Yokohama Natl. Univ.) TAKAGI, Kazuya; HIROMOTO, Yuma; UBUKATA, Takashi; YOKOYAMA, Yasushi

3E5-47 Relation between the glass transition temperature of diarylethenes and the photoinduced topographical changes on microcrystalline surface (Grad. Sch. Sci. Tech., Ryukoku Univ.; Grad. Sch. Sci., The Univ. of Tokyo; MCRC Materials Analysis Center; Osaka Kyoiku Univ. Graduate School of Education; Sch. Pharm., TUPLS; RIKEN Research Cluster For Innovation) FUJINAGA, Noriko; NISHIKAWA, Naoki; YAMAZOE, Seiji; KOJIMA, Yuko; TSUJIOKA, Tsuyoshi; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; UCHIDA, Akiyoshi

Chair: KOSHIMA, Hideo (17 : 00 ~ 17 : 30)

* 16:50-17:00: interval for laptop PC connection.(3E5-49, 3E5-50, 3E5-51)

3E5-49 Stereocontrol of Photocyclization of Diarylethenes by Intramolecular Hydrogen Bonds (Grad. Sch. Eng., Yokohama Natl. Univ.) KATO, Tatsuya; KOSE, Mahmut; YOKOYAMA, Yasushi

3E5-50 Polymorphic crystallization of a diarylethene having hexyl groups and thermodynamic crystal phase transition between the polymorphs (Grad. Sch. Eng., Osaka City Univ.) IWAIHARA, Chika; KITAGAWA, Daichi; KOBATAKE, Seiya

3E5-51 Synthesis of Binaphthyl Derivatives and Photochromism Based on 6π -Electrocyclization (Grad. Sch. Eng., Yokohama Natl. Univ.) KATO, Ryuji; UBUKATA, Takashi; YOKOYAMA, Yasushi

Sunday, March 30, AM

Chair: KITAOKA, Satoshi (9 : 00 ~ 9 : 50)

* 8:50-9:00: interval for laptop PC connection.(4E5-01, 4E5-04)

4E5-01 Young Scholar Lectures of CSJ Development of Functional Polymeric Nanosheets Toward Tissue Engineering Applications (Sch. Advanced Sci. Eng., Waseda Univ.) FUJIE, Toshinori

4E5-04* Fabrication of Podophyllotoxin Derivatives Nanoparticles and Their Anti-Cancer Activities (IMRAM, Tohoku Univ.) IKUTA, Yoshikazu; KOSEKI, Yoshitaka; ONODERA, Tsunenobu; KASAI, Hitoshi; MURAKAMI, Tatsuya; UEDA, Minoru; OIKAWA, Hidetoshi

Chair: KASAI, Hitoshi (10 : 00 ~ 11 : 00)

* 9:50-10:00: interval for laptop PC connection.(4E5-07, 4E5-08, 4E5-09, 4E5-10, 4E5-11, 4E5-12)

4E5-07 Physicochemical Characterization and Functional Analysis of Hyaluronan Nanoparticles (Fac. Sci. Tech., Keio Univ.) KOIZUMI, Keisuke; SATO, Toshinori

4E5-08 Antitumor Effects of Cisplatin-Loaded Carbon Nanomaterials (Fac. Eng., Oita Univ.; Fac. Eng., Kinki Univ.) NOBUOKA, Kaoru; ANDOU, Sawano; KITAOKA, Satoshi; YAMADA, Yasue; TOYODA, Masahiro; ISHIKAWA, Yuichi

4E5-09 Synthesis and characterization of carbohydrate-functionalized carbosilane dendrimers as a target-oriented drug carrier (Grad. Sch. Sci., Eng., Saitama Univ.) KISHIGAMI, Fumiya; HATANO, Ken

4E5-10 Photo-induced topographical changes of novel surfaces modified with diblock copolymer containing spiroopyran group and its effect on the cellular behavior of mesenchymal stem cells (Sch. Advanced Sci. Eng., Waseda Univ.) HE, Di; ARISAKA, Yoshinori; TAKEDA, Naoya

4E5-11 Uptake of rare metal from aqueous solution using layered double hydroxide intercalated with triethylenetetraminehexaacetic acid and its reaction analysis (Grad. Sch. Environmental Studies, Tohoku Univ.) SHINMYO, Tetsu; KAMEDA, Tomohito; YOSHIOKA, Toshiaki

4E5-12 Clarification of Cs ion exchange reaction mechanism in silica gel supported by phase-separation porous glass framework (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) HIRAKAWA, Masaru; YAMASAKI, Kazuko; NAGASAWA, Hiroshi; NAKAZIMA, Hiromitsu; AMEMIYA, Takashi; ITOH, Kiminori

igomers/Silica/Titanium Oxide Nanocomposites-Encapsulated Aromatic Compounds before and after Calcination (Hirosaki University Graduate school of science and technology; LIXIL) GUO, Sujuan; OKADA, Yoshitaka; KAKEHI, Hiroshi; KATO, Yoshihiro; MIURA, Masashi; ISU, Norifumi; SAWADA, Hideo

- 1E6-28** Preparation and Photocatalytic Activity of Poly(tetrafluoroethylene)/Anatase Titanium Oxide Nanocomposites (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; LIXIL) TAKEGAHARA, Yutaro; OIKAWA, Yuri; KAKEHI, Hiroshi; KATO, Yoshihiro; MIURA, Masashi; ISU, Norifumi; SAWADA, Hideo

adhesion

- 1E6-29*** Quantum chemical study on adhesive interaction (IMCE, Kyushu Univ.) SEMOTO, Takayuki; TSUJI, Yuta; YOSHIZAWA, Kazunari

dyes · pigments

Chair: NAKAZUMI, Hiroyuki (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(1E6-32, 1E6-34, 1E6-36, 1E6-37)
- 1E6-32**** Effect of Alkyl Group in (Dilakylamino)perfluorophenazines on Melting Point and Solid-State Fluorescence (Fac. Eng., Gifu Univ.) BIRADAR, Siddanagouda; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MATSUI, Masaki
- 1E6-34*** Mechanoinduced change in photoluminescent properties of pyridyl-terminated hydrogen bonding complex (Grad. Sch. Eng., Univ. of Hyogo) KONDO, Mizuho; OKUMOTO, Kentaro; HASHIMOTO, Mayuko; MIURA, Seiya; KAWATSUKI, Nobuhiro
- 1E6-36** Synthesis of a boron-dibenzopyrromethene dye with pinacolboron group and its reactivity for chemical stimulus (Urban Environmental Sci., Tokyo Metropolitan Univ.) MATSUMOTO, Asaki; YAGYU, Yui; NISHIYABU, Ryuhei; KUBO, Yuji
- 1E6-37** Effects of protonation and deprotonation on optical emission properties of highly fluorescent phosphorous(V)-phthalocyanines. (NIMS Environmental Remediation Materials Unit; Grad. Sch. Med. Pharm. Sci. Edu., Univ. of Toyama) ISAGO, Hiroaki; FUJITA, Harumi; SUGIMORI, Tamotsu

Chair: KONDO, Mizuho (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(1E6-39, 1E6-40, 1E6-41, 1E6-42, 1E6-43, 1E6-44)
- 1E6-39** Liquid state cyanine dyes (Fac. Eng., Gifu Univ.) YAMAMOTO, Takaya; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MATSUI, Masaki
- 1E6-40** Synthesis and property of cyclic indoline dyes (Fac. Eng., Gifu Univ.) AOKI, Ryota; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MANSEKI, Kazuhiro; MATSUI, Masaki
- 1E6-41** Thermoswitchable dual-mode displaying media with both reflective and emissive modes. (Fac. Eng., Chiba Univ.) OGASAWARA, Koki; KANAZAWA, Kenji; NAKAMURA, Kazuki; KOBAYASHI, Norihisa
- 1E6-42** Properties of triarylmethane dyes (Fac. Eng., Gifu Univ.) KAKITANI, Kenta; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MATSUI, Masaki
- 1E6-43** Emission Properties of Dipyrido[3,2-a:2',3'-c]phenazine Derivatives Bearing Donor Substituent Groups at 11 and 12 Positions (Grad. Sch. Eng., Osaka Pref. Univ.) SHIGEHRO, Tatsuya; YAGI, Shigeyuki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki; SAKURAI, Yoshiaki
- 1E6-44** Synthesis and Luminescent Properties of Novel Dipyrido[3,2-a:2',3'-c]phenazine-platinum(II) Complexes Bearing Electron Donor Components at the 2,7-Positions (Grad. Sch. Eng., Osaka Pref. Univ.) KAWAI, Yasuhiro; SHIGEHRO, Tatsuya; YAGI, Shigeyuki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki; SAKURAI, Yoshiaki

Chair: SAWADA, Hideo (16 : 30~17 : 20)

- * 16:20-16:30: interval for laptop PC connection.(1E6-46, 1E6-48, 1E6-49, 1E6-50)
- 1E6-46**** Novel Environmentally Friendly Inorganic Blue Pigments with Garnet-type Structure (Grad. Sch. Eng., Osaka Univ.) WEN, Dusu; HONDA, Taihei; MASUI, Toshiyuki; IMANAKA, Nobuhito
- 1E6-48** Introduction of Electrical Conductivity to Paper Surface Using Carbon Black Paint Containing Hydrolyzable Emulsifiers (Fac. Textile Sci. Technol., Shinshu Univ.) MATSUZAKI, Ryoya; IKEDO, Shihō; ITOH, Yoshihiro
- 1E6-49** Synthesis and Absorption Properties of Quinone-Based Bisboron Complexes with Highly Symmetrical Structures (Fac. Eng., Gifu Univ.) KUBOTA, Yasuhiro; NIWA, Takahiro; HUNABIKI, Kazumasa; MATSUI, Masaki
- 1E6-50** Synthesis of anovel Squarylium dye showing fluorescence in the near-infrared region (Fac. Eng., Gifu Univ.) KUBOTA, Yasuhiro; TSUKAMOTO, Masahiro; FUNABIKI, Kazumasa; MATSUI, Masaki

Friday, March 28, PM

displays

Chair: SHISHIDO, Atsushi (12 : 50~13 : 40)

- * 12:40-12:50: interval for laptop PC connection.(2E6-24, 2E6-26, 2E6-27, 2E6-28)
- 2E6-24**** New electrochromic devices with metallo-supramolecular polymers (NIMS Electronic Functional Materials Group; JST CREST) ZHANG, Jian; HIGUCHI, Masayoshi
- 2E6-26** The effects of complex ion species on the coloration properties of silver deposition-based electrochromic device (Fac. Eng., Chiba Univ.) KIMURA, Ryotaro; TUBOI, Ayako; KOBAYASHI, Norihisa; NAKAMURA, Kazuki
- 2E6-27** Correlation between exciplex formation and emission color of organic light-emitting diodes based on the triarylamine-based polymer as a hole transport layer (Sch. Advanced Sci. Eng., Waseda Univ.) INOKUCHI, Noriyasu; TAKEUCHI, Hironori; NISHIDE, Hiroyuki; NISHIKITANI, Yoshinori; UCHIDA, Soichi; SHIBANUMA, Toshihiko; NISHIMURA, Suzushi
- 2E6-28** Synthesis and Luminescent Properties of Novel Blue Phosphorescent Iridium(III) Complexes Bearing Hole-transporting Dendrons (Grad. Sch. Eng., Osaka Pref. Univ.) OKAMURA, Naoki; YAGI, Shigeyuki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki

electronics/optics

Chair: NAKAMURA, Kazuki (13 : 50~14 : 40)

- * 13:40-13:50: interval for laptop PC connection.(2E6-30, 2E6-31, 2E6-32, 2E6-34)
- 2E6-30** Synthesis and property of soluble DNTT derivatives (RIKEN CEMS) SAWAMOTO, Masanori; MORI, Takamichi; KANG, Myong-jin; MIYAZAKI, Eigo; OSAKA, Itaru; TAKIMIYA, Kazuo
- 2E6-31** Optical properties of crystals of diketo-pyrrolo-pyrrole derivatives having various aliphatic substituents (TOKYO PRINTING INK MFG. CO., LTD. Technical Development Division; Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) TODA, Akehiro; SEKINE, Toshinari; IMAI, Kengo; OKADA, Naoya; MATSUMOTO, Shinya
- 2E6-32*** Surface Strain Analysis of Bending Films by Means of Surface Gratings (Chem. Res. Lab., Tokyo Tech) AKAMATSU, Norihisa; TASHIRO, Wataru; MAMIYA, Jun-ichi; KINOSHITA, Motoi; FUJIKAWA, Shigenori; TAKEYA, Junichi; SHISHIDO, Atsushi
- 2E6-34** Color microlens array in the silicon substrate fabrication based on polymer electrodeposition (Osaka Electro-Communication Univ.; Tri, Osaka) HATAKEYAMA, Saeko; TANAKA, Takeshi; YAMAMURA, Masahiro; SATOH, Kazuo; MURAKAMI, Shu-ichi; TANAKA, Tsunehisa; MATSUNAGA, Takashi; ENOMOTO, Hiroyuki; SAKURAI, Yoshiaki

liquid crystals sensors

Chair: HARA, Mitsuo (14 : 50~15 : 20)

- * 14:40-14:50: interval for laptop PC connection.(2E6-36, 2E6-37, 2E6-38)
- 2E6-36** Molecular alignment of phenyl benzoate mesogen using dynamic photopolymerization (Chem. Res. Lab., Tokyo Tech) OGUMA, Takahiro; HISANO, Kyohei; MAMIYA, Jun-ichi; KINOSHITA, Motoi; SHISHIDO, Atsushi
- 2E6-37** Effects of a branched alkyl chain on stabilizing blue phases (Hirosaki Univ. Graduate School of Science and Technology) KATSUTA, Shinichi; ICHIMURA, Norika; KURAUCHI, Mariko; YOSHIZAWA, Atsushi
- 2E6-38** Energy-Saving Preparation and Characterization of TiO₂-Based Optical H₂ Gas Sensor at Room-Temperature Operation (Kanto Gakuin Univ. Dept. of Appl. Chem.) HAMAGAMI, Jun-ichi

alloys/batteries

Chair: NAGANO, Shusaku (15 : 30~16 : 20)

- * 15:20-15:30: interval for laptop PC connection.(2E6-40, 2E6-41, 2E6-43)
- 2E6-40** A new synthetic method of Au-Cu powder alloy (Grad. Sch. Sci., Kyushu Univ.) KAWAMOTO, Daisuke; ANDO, Hiroaki; OHASHI, Hironori; OJI, Hiroshi; HONMA, Tetsuo; KOBAYASHI, Yasuhiro; HAMASAKI, Akiyuki; ISHIDA, Tamao; OKAUE, Yoshihiro; TOKUNAGA, Makoto; YOKOYAMA, Takushi

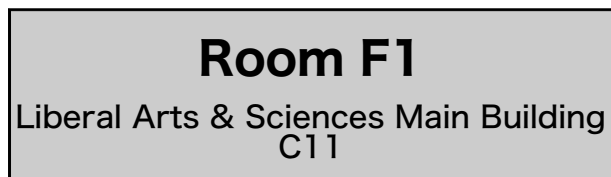
batteries

- 2E6-41*** High catalytic activation of subnano platinum clusters with specific atomic number (Chem. Res. Lab., Tokyo Tech) KITAZAWA, Hirokazu; IMAOKA, Takane; CHUN, Wang Jae; YAMAMOTO, Kimihisa
- 2E6-43**** Facile Synthesis of Pd-Pt Core-Shell Nanoparticles on Polybenzimidazole-Wrapped Graphene for Fuel Cell Application and Their Catalytic Activity. (Grad. Sch. Eng., Kyushu Univ.) KIM, Chaerin; FUJIGAYA, Tsuyohiko; NAKASHIMA, Naotoshi

Chair: FUJIGAYA, Tsuyohiko (16 : 30~17 : 20)

- * 16:20-16:30: interval for laptop PC connection.(2E6-46, 2E6-47, 2E6-48,

- 2E6-49, 2E6-50)
2E6-46 Electrocatalytic properties of nitrogen doped graphene for oxygen reduction reaction (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) MOROHOSHI, Shohei; SAJI, Shunsuke; HAKUTA, Yuto; FUJITANI, Tadahi; KONDO, Takahiro; NAKAMURA, Junji
2E6-47 Nb doped Ti based oxide for Carbon free PEFC cathode support material (Grad. Sch. Eng., The Univ. of Tokyo) KAWASAKI, Yu; ARASHI, Takuya; SEO, Jeongsuk; KUBOTA, Jun; DOMEN, Kazunari
2E6-48 Improvement of Cycle Life in the Organic Secondary Battery Based on a Cathode-Active Material of Triquinoxalinylene by Use of a Solid Polymer Electrolyte (Grad. Sch. Eng., Osaka Pref. Univ.; Daiso Co.,Ltd. R&D DIV) SUGIMOTO, Toyonari; NAKAZUMI, Hiroyuki; TABUCHI, Masato; MIKI, Yasushi; UEDA, Hideaki
2E6-49 Stabilizing Effects by Lithium Coordination of Reductive Cathode Active Materials for the Organic Secondary Battery (Osaka Electro-Communication Univ.) NISHIMURA, Yuta; AONUMA, Shuji; SATOH, Masaharu
2E6-50 Development of Polymers Having Sulfone Imide Structure for Printable Lithium Ion Battery (Fac. Eng., Yamagata Univ.) SHIRAIWA, Toshiki; OCHIAI, Bungo



Inorganic Chemistry

Thursday, March 27, AM

Chair: SASAI, Ryo (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(1F1-08, 1F1-10, 1F1-11, 1F1-12)
1F1-08* Upconversion materials design by nanosheet flocculation using rare-earth ions (MANA, NIMS) OZAWA, Tadashi c.; ONODA, Mitsuko; IYI, Nobuo; EBINA, Yasuo; SASAKI, Takayoshi
1F1-10 Liquid-phase synthesis of titanate salts using as a precursor nanosheets (Kawasaki Med. Sch. natural science) YOSHIOKA, Daisuke; MATSUDA, Nobuaki; KATSUMATA, Ken-ichi
1F1-11 Bottom-up synthesis of titanate nanosheets by aqueous solution process (Fac. Eng., Gifu Univ.) NAKAGAWA, Takuya; BAN, Takayuki; OHYA, Yutaka
1F1-12 Preparation of spherically assembled nanosheets from mesoporous silica particles (Sch. Advanced Sci. Eng., Waseda Univ.; Kagami Memorial Research Inst. Materials Sci. Tech., Waseda Univ.) UJIIE, Hiroto; OBA, Yuki; SHIMOJIMA, Atsushi; KURODA, Kazuyuki

Chair: FUKUDA, Katsutoshi (11 : 10~12 : 00)

- * 11:00-11:10: interval for laptop PC connection.(1F1-14, 1F1-15, 1F1-16, 1F1-17, 1F1-18)
1F1-14 Preparation and characterization of Silicon nanosheet/polystyrene composites (Toyota Central R&D Labs., Inc.) OHASHI, Masataka; NAKANO, Hideyuki
1F1-15 Synthesis and Electrochemistry of Cobalt-Doped Manganese Oxide Nanosheets (MANA, NIMS) SAKAI, Nobuyuki; MA, Renzhi; EBINA, Yasuo; SASAKI, Takayoshi
1F1-16 Intercalation of group 2 metals into BC_xN (2 < x < 4) by using liquid alloys (Osaka Electro-Communication Univ.) ISHIKAWA, Hiromichi; KAWAGUCHI, Masayuki; FAUCHARD, Melissa; CAHEN, Sebastien; HEROLD, Claire
1F1-17 Density functional theory calculations on formation of carbon dioxide within graphene layers (KIT) YAMASAKI, Ayumi; YUMURA, Takashi; KOBAYASHI, Hisayoshi
1F1-18 Anion Exchangeable Ability of Layered Double Hydroxide Consisting of Ni and Al metals for Halide Anions. (Fac. Sci. Eng., Shimane Univ.) NII, Eisaku; SATOU, Hiroaki; HOASHI, Hirokazu; MORIYOSHI, Tikako; KUROIWA, Yoshihiro; SASAI, Ryo

Thursday, March 27, PM

Chair: OKADA, Tomohiko (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(1F1-26, 1F1-27, 1F1-28, 1F1-29, 1F1-30, 1F1-31)
1F1-26 Observation of the electronic structure of water confined in titania nanosheets (Grad. Sch. Frontier Sci., The Univ. of Tokyo) NAKAJIMA, Junki; NIWA, Hideharu; MIYAWAKI, Jun; KIUCHI, Hisao; TOKUSHIMA, Takashi; FUKUDA, Katsutoshi; MORITA, Masahito; HARADA, Yoshihisa
1F1-27 Synthesis of a new homologous family of layered titanoniobate perovskites and its exfoliation (MANA, NIMS) EBINA, Yasuo; AOYAMA, Yasuhiro; SASAKI, Takayoshi
1F1-28 Study on temperature dependence of restack/exfoliation process of

- exfoliated nanosheets using dynamic light scattering techniques (IOC, Kyoto Univ.) FUKUDA, Katsutoshi; MORITA, Masahito; UCHIMOTO, Yoshiharu
1F1-29 Electrochemical property of the restacked MoO₂ nanosheets electrode in Lithium-ion battery (IOC, Kyoto Univ.) SUGAYA, Hidetaka; MORITA, Masahito; FUKUDA, Katsutoshi; UCHIMOTO, Yoshiharu
1F1-30 Formation of Ni(OH)₂ nanosheets by hydrothermal method (Grad. Sch. Eng., Mie Univ.) HATANNO, Kazuya; KOSHIO, Akira; KOKAI, Fumio
1F1-31 Intercalation of a non-ionic azobenzene derivative into β-helix-layered-silicate preintercalated with N,N-dimethylpropionamide (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; Waseda Univ. Kagami Memorial Res. Inst. Mater. Sci. and Tech.) ASAKURA, Yusuke; TAKAYAMA, Ryosuke; SHIMOJIMA, Atsushi; KURODA, Kazuyuki

Chair: SHIMOJIMA, Atsushi (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(1F1-33, 1F1-35, 1F1-37, 1F1-38)
1F1-33* Suggestions of appropriate technologies for utilizing periodic mesoporous materials (AIST) KIMURA, Tatsuo; YAMAUCHI, Yusuke
1F1-35* Phase Separation Behavior of a Cyano-Bridged Coordination Polymer Showing Two-Phase Reaction during Electrochemical Ion Insertion/Extraction (ETRI, AIST) KAJIYAMA, Satoshi; MIZUNO, Yoshifumi; OKUBO, Masashi; NISHIMURA, Shin-ichi; YAMADA, Atsuo
1F1-37 Property of Sulfonic Groups on Hollow Silica Microspheres Encapsulating Magnetic Nanoparticles (Fac. Eng., Shinshu Univ.) OKADA, Tomohiko; TAKEDA, Yohei; MISHIMA, Shoji
1F1-38* Ultra-thin HKUST-1 Film on TiO₂ (110) Probed by Polarization-Dependent Total Reflection Fluorescence XAFS (International Christian University College of Liberal Arts) OKAJIMA, Satoshi; HASHIMOTO, Miyuki; HARA, Kenji; KONDO, Toshiro; CHUN, Wang-jae

Chair: KIMURA, Tatsuo (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(1F1-40, 1F1-42, 1F1-43)
1F1-40** Synthesis of non-siliceous mesoporous thin films toward high-performance devices (NIMS International Center for Young Scientists (ICYS)) SUZUKI, Norihito; YAMAUCHI, Yusuke
1F1-42 Preparation of Aqueous Colloidal Mesoporous Silica Nanoparticles Possessing Sulfoic Acid Groups (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; Sch. Advanced Sci. Eng., Waseda Univ.; Waseda Univ. Kagami Memorial Res. Inst. Mater. Sci. and Tech.) HIGASHITAMORI, Sayuri; HIROOKA, Naoko; URATA, Chihiro; SHIMOJIMA, Atsushi; KURODA, Kazuyuki
1F1-43 CSJ Award for Young Chemists Creation of Nanoporous Metals by Molecular Templates and Their Emergent Functions (National Institute for Materials Science (NIMS) International Center for Materials Nanoarchitectonics (MANA)) YAMAUCHI, Yusuke

Chair: SUGIMOTO, Wataru (16 : 40~17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(1F1-47, 1F1-49, 1F1-50, 1F1-51)
1F1-47* High pressure synthesis and physical property of Na doping ARuO₃ (A = Sr, Ca) (ICR, Kyoto Univ.) SEKI, Hayato; SAITO, Takashi; KENNEDY, Brendan; SHIMAKAWA, Yuichi
1F1-49 Preparation of nanoribbons of mixed crystals of blue molybdenum bronzes via solid phase transformation under hydrothermal conditions (Grad. Sch. Sci., Kobe Univ.) NISHIDA, Takamasa; EDA, Kazuo
1F1-50 Leaving group ability of trimethylsilyl group for substitution of silyl group in siloxane bond (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; Waseda Univ. Kagami Memorial Res. Inst. Mater. Sci. and Tech.) YOSHIKAWA, Masashi; TAMURA, Yasuhiro; WAKABAYASHI, Ryutarō; TAMAI, Misa; SHIMOJIMA, Atsushi; KURODA, Kazuyuki
1F1-51 Preparation and characterization of polyyne-containing SiO₂ gels (Coll. Life Sci., Ritsumeikan Univ.) SASAKI, Kyohei; SANADA, Tomoe; KOJIMA, Kazuo

Friday, March 28, AM

Chair: KATO, Kenichi (9 : 30 ~ 10 : 00)

- * 9:20-9:30: interval for laptop PC connection.(2F1-04, 2F1-06)
2F1-04* Morphological control of layered double hydroxide crystals by using organic molecules containing carboxy group (Grad. Sch. Environmental Studies, Tohoku Univ.) YOKOI, Taishi; KAMITAKAHARA, Masanobu
2F1-06 Preparation of titania and zirconia nanosheets using graphene oxide template (1): Formation of nanosheet structures (Grad. Sch. Eng., Kyushu Univ.) UWAI, Shunsuke; TAKENAKA, Sakae; MIYAKE, Shuhei; IDA, Shintaro; MATSUNE, Hideki; KISHIDA, Masahiro

Chair: OZAWA, Tadashi c. (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2F1-08, 2F1-09, 2F1-10, 2F1-12)
2F1-08 Preparation of titania and zirconia nanosheets using graphene oxide template (2): formation mechanism of nanosheet structure (Grad. Sch. Eng., Kyushu Univ.) TAKENAKA, Sakae; UWAI, Shunsuke; MIYAKE, Shuhei; IDA, Shintaro; MATSUNE, Hideki; KISHIDA, Masahiro
2F1-09* Synthesis of IrO₂ Nanosheet (Fac. Textile Sci. Technol., Shinshu

Univ.) SUGIMOTO, Wataru; SHIMIZU, Wataru

- 2F1-10**** Structure Basis for Emergence of the Superionic Conductivity in an Ion-Exchange Na_xCoO_2 (RIKEN Spring-8 Center; JST CREST) KATO, Kenichi; KASAI, Hidetaka; HORI, Akihiro; TAKATA, Masaki; KITAGAWA, Susumu; TANAKA, Hiroshi; KOBAYASHI, Akira; OZAWA, Nobuki; KUBO, Momoji; ARIKAWA, Hidekazu; TAKEGUCHI, Tatsuya; SADAKIYO, Masaaki; YAMAUCHI, Miho
- 2F1-12**** Structure Basis for Emergence of the Ionic Conductivity in an Intercalation $\text{LaSr}_3\text{Fe}_2\text{O}_{10}$ (RIKEN Spring-8 Center; JST CREST) KASAI, Hidetaka; KATO, Kenichi; HORI, Akihiro; TAKATA, Masaki; KITAGAWA, Susumu; TANAKA, Hiroshi; ARIKAWA, Hidekazu; TAKEGUCHI, Tatsuya; SADAKIYO, Masaaki; YAMAUCHI, Miho

Chair: KOBAYASHI, Yoji (11 : 20~12 : 00)

* 11:10-11:20: interval for laptop PC connection.(2F1-15, 2F1-17)

- 2F1-15**** Design and Synthesis of Hydroxide Ion-Conductive Metal-Organic Frameworks Based on Salt Inclusion (I_2CNER , Kyushu Univ.) SADAKIYO, Masaaki; KASAI, Hidetaka; KATO, Kenichi; TAKATA, Masaki; YAMAUCHI, Miho
- 2F1-17*** Making unprecedented stable Zn^{I} species utilizing sub-nanospace of MFI (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ODA, Akira; OHKUBO, Takahiro; YUMURA, Takashi; KOBAYASHI, Hisayoshi; KURODA, Yasushige

Friday, March 28, PM

Chair: IDA, Shintaro (14 : 30~15 : 30)

* 14:20-14:30: interval for laptop PC connection.(2F1-34, 2F1-35, 2F1-36, 2F1-38)

- 2F1-34** Synthesis and Photomagnetism of Layered Cobalt Hydroxide with Intercalated Anionic Spiropyran (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TANAKA, Naru; OKAZAWA, Atsushi; KOJIMA, Norimichi
- 2F1-35** Study on the States of Hydrogen Dissolved in Palladium by *in situ* Solid-State ^1H -NMR Measurement Under the Controlled Hydrogen Gas Pressure (Grad. Sch. Sci., Kyoto Univ.; JST CREST) DEKURA, Shun; KOBAYASHI, Hirokazu; IKEDA, Ryuichi; MAESATO, Mitsuhiko; KITAGAWA, Hiroshi
- 2F1-36*** Pressure-induced Charge Transfer transition in a Square Planar Iron Oxide (Grad. Sch. Eng., Kyoto Univ.) YAMAMOTO, Takafumi; KAWAKAMI, Takateru; MIZUMAKI, Masaichiro; YOSHII, Ryuta; OKADA, Taku; YAGI, Takehiko; KOBAYASHI, Yoji; KAGEYAMA, Hiroshi
- 2F1-38*** Enhancing reducibility of cobaltate perovskites by aliovalent A-site solid solution (Grad. Sch. Eng., Kyoto Univ.) TASSEL, Cedric; BOUILLY, Guillaume; KAGEYAMA, Hiroshi

Chair: TAKEI, Takahiro (15 : 40~16 : 40)

* 15:30-15:40: interval for laptop PC connection.(2F1-41, 2F1-43, 2F1-45, 2F1-46)

- 2F1-41*** Strategy for design of novel tetrahedral ferroelectric oxides (MSL, Tokyo Tech) ITOH, Mitsuru; TANIGUCHI, Hiroki; MORIWAKE, Hiroki
- 2F1-43*** Low temperature Intercalation in to a Layered Telluride (Grad. Sch. Eng., Kyoto Univ.) KOSHIKO, Masaki; KOBAYASHI, Yoji
- 2F1-45** Preparation and crystal structure of $\text{Li}_2\text{B}_3\text{PO}_8$ (IMRAM, Tohoku Univ.) YAMANE, Hisanori; HASEGAWA, Toru
- 2F1-46** A novel perovskite containing both oxide and hydride anions (Grad. Sch. Eng., Kyoto Univ.) GOTO, Yoshihiro; TASSEL, Cedric; KAGEYAMA, Hiroshi

Chair: EBINA, Yasuo (16 : 50~17 : 30)

* 16:40-16:50: interval for laptop PC connection.(2F1-48, 2F1-49, 2F1-50, 2F1-51)

- 2F1-48** Charge disproportionation of unusually high valent Fe^{4+} in $\text{CaFe}_{1-x}\text{Mn}_x\text{O}_3$ (Grad. Sch. Sci., Kyoto Univ.) HOSAKA, Yoshiteru; ICHIKAWA, Noriya; SAITO, Takashi; MIZUMAKI, Shinichirou; SHIMAKAWA, Yuichi
- 2F1-49** Crystal and electronic structures and properties of lutetium germanides prepared under high-pressure and high-temperature conditions (Grad. Sch. Eng., Hiroshima Univ.) FUKUOKA, Hiroshi; OHTSU, Fumiko; HARADA, Momoko; YAMASAKI, Junya; INUMARU, Kei
- 2F1-50** Compression behavior of C12A7 electrode with different pressure mediums (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech; KEK; MSL, Tokyo Tech; Tokyo Tech Frontier Research Center; Tokyo Metropolitan Office) YOSHIDA, Kazuki; HARA, Hana; ATOU, Toshiyuki; TAKEMURA, Kenichi; HOSONO, Hideo
- 2F1-51** Effects of Manganese or Nickel additive on the preparation of Niobium Oxynitrides (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KITAHARA, Yuki; MASUBUCHI, Yuji; MOTOHASHI, Teruki; KIKKAWA, Shinichi

Saturday, March 29, AM

Chair: ISHIKAWA, Eri (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3F1-01, 3F1-02, 3F1-03, 3F1-04, 3F1-05)

- 3F1-01** Coprecipitation experiment of various elements with Sm hydroxide

using multitracer (Grad. Sch. Sci., Osaka Univ.) KASAMATSU, Yoshitaka; TOYOMURA, Keigo; YOKOKITA, Takuya; HABA, Hiromitsu; KANAYA, Jumpei; KUDOU, Yuki; MORITA, Kosuke; KIKUNAGA, Hidetoshi; OHTSUKI, Tsutomu; MITSUGASHIRA, Toshiaki; SHINOHARA, Atsushi

3F1-02 Coprecipitation behavior of element 104, Rf, with Sm hydroxide in dilute NH_3 solution (Grad. Sch. Sci., Osaka Univ.) TOYOMURA, Keigo; KASAMATSU, Yoshitaka; YOKOKITA, Takuya; SHIOHARA, Naoya; KOMORI, Yukiko; SHIGEKAWA, Yuda; YOSHIMURA, Takashi; TAKAHASHI, Naruto; KIKUNAGA, Hidetoshi; OHTSUKI, Tsutomu; MITSUGASHIRA, Toshiaki; HABA, Hiromitsu; KANAYA, Jumpei; HUANG, Minghui; MURAKAMI, Masashi; KUDOU, Yuki; MORITA, Kosuke; TAKAMIYA, Koichi; SHINOHARA, Atsushi

3F1-03 Measurement of the first ionization potential of Lr by surface ionization technique (ASRC, JAEA) SATO, Tetsuya K.; ASAI, Masato; SATO, Nozomi; KANEYA, Yuusuke; TSUKADA, Kazuaki; TOYOSHIMA, Atsushi; OOE, Kazuhiro; MIYASHITA, Sunao; NAGAME, Yuichiro; SCHAEDEL, Matthias; ICHIKAWA, Shinichi; STORA, Thierry; KRATZ, Jens Volker; OSA, Akihiko; RENISH, Dennis; DULLMANN, Christoph E

3F1-04 Detrapping process of atomic hydrogen encapsulated in cage shaped molecules in organic solvents (Fac. Eng., Hiroshima Univ.) MAEDA, Tetsuya; OKAYAMA, Ryouta; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka

3F1-05* Synthesis and Reversible Transformation of Cobalt Containing γ -Keggin Silicotungstates (Grad. Sch. Eng., The Univ. of Tokyo) KIKUKAWA, Yuji; SUZUKI, Kosuke; YAMAGUCHI, Kazuya; MIZUNO, Noritaka

Chair: SADAKANE, Masahiro (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3F1-08, 3F1-10, 3F1-11)

3F1-08* Synthesis of Heterodinuclear Lanthanoid-Containing Silicotungstates and Control of Single-Molecule Magnet Behaviors (Grad. Sch. Eng., The Univ. of Tokyo) SUZUKI, Kosuke; SATO, Rinta; SUGAWA, Midori; MIZUNO, Noritaka

3F1-10 Dielectric Properties of A Preyssler type Polyoxometalate, $\text{K}_{12}[\text{Tb}(\text{P}_5\text{W}_{30}\text{O}_{110})]$ (Grad. Sch. Sci., Hiroshima Univ.) KATO, Chisato; NISHIHARA, Sadafumi; MARYUNINA, Kseniya; TSUNASHIMA, Ryo; TATEWAKI, Yoko; INOUE, Katsuya

3F1-11 CSJ Award for Outstanding Young Women Chemists Rational Design and Synthesis of Functional Porous Ionic Crystals (Grad. Sch. Arts and Sci., The Univ. of Tokyo) UCHIDA, Sayaka

Chair: FUKUOKA, Hiroshi (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(3F1-15, 3F1-16, 3F1-17, 3F1-18, 3F1-19)

3F1-15 Ionic crystal with Three-Dimensionally Connected Micropores and Concerted Functions of Anions and Cations (Grad. Sch. Arts and Sci., The Univ. of Tokyo) KAWAHARA, Ryosuke; UCHIDA, Sayaka; MIZUNO, Noritaka

3F1-16 Solid state dimerization of mono-ruthenium substituted polyoxotungstate to m-oxo-bridged dimer. (Fac. Eng., Hiroshima Univ.) KADOTA, Yusuke; NISHIKI, Kensuke; SANO, Tsuneji; SADAKANE, Masahiro

3F1-17 Synthesis and Selective Proton Capturing of a Dawson-type Silicotungstate (Grad. Sch. Eng., The Univ. of Tokyo) MINATO, Takao; SUZUKI, Kosuke; KAMATA, Keigo; MIZUNO, Noritaka

3F1-18 The photochemical self-assembly reaction of β - $[\text{Mo}_8\text{O}_{26}]^{4-}$ (Coll. Eng., Chubu Univ.) ISHIKAWA, Eri; HIRATA, Naho

3F1-19 The photoreduction process of nucleotide-coordinated polyoxomolybdates, $[(\text{HAMP})_2\text{Mo}_5\text{O}_{13}]^{2-}$ (Coll. Eng., Chubu Univ.) KOUJIRO, Aoi; ISHIKAWA, Eri

Asian International Symposium -Inorganic Chemistry- Saturday, March 29, PM

Emerging Science in Inorganic Porous Materials

Chair: KURODA, Kazuyuki (13 : 20~14 : 30)

3F1-27# Keynote Lecture Multi-functionalized Mesoporous Silica Nanocatalysts for Biofuel Applications (National Taiwan University) Wu, Kevin Chia-Wen (13:20~13:50)

3F1-30# Invited Lecture Zeolite Catalyst with the Location of Active Sites in the Pores Controlled (Tokyo Institute of technology) YOKOI, Toshiyuki (13:50~14:10)

3F1-32# Invited Lecture A New Insight for 1D Chalcogenes: Transformation of Non-Metals into Metals inside Carbon Nanotubes (Shinshu University) FUJIMORI, Toshihiko (14:10~14:30)

Chair: YOKOI, Toshiyuki (14 : 40~15 : 10)

3F1-35# Keynote Lecture Proving and Exploiting the Catalytic Functions of Hydrogen Spillover with Porous Model Catalysts Allowing Selective Diffusion of H_2 (Korea Advanced Institute of Science and Technology) Choi, Minkee (14:40~15:10)

3F1-38# Invited Lecture Electron Microscopy for Characterisation of Porous Materials (Osaka Prefectural University) SAKAMOTO, Yasuhiro

(15:10~15:30)

3F1-40[#] Invited Lecture Materials Design of Layered Titanates and Silicates for Their Useful Applications (NIMS) IDE, Yusuke (15:30~15:50)

Chair: IDE, Yusuke (16:00~17:00)

3F1-43[#] Invited Lecture Hierarchically-Assembled Porous Ionic Crystals (University of Tokyo) UCHIDA, Sayaka (16:00~16:20)

3F1-45[#] Invited Lecture Synthesis and Biological Applications of Self-Assembled Huge Molecules (Tohoku University) SATO, Sota (16:20~16:40)

3F1-47[#] Invited Lecture Controlled Polymerization in Coordination Nanospaces (Kyoto University) UEMURA, Takashi (16:40~17:00)

Coordination Chemistry, Organometallic Chemistry

Sunday, March 30, AM

Chair: INOMATA, Tomohiko (9:00~10:00)

* 8:50-9:00: interval for laptop PC connection.(4F1-01, 4F1-02, 4F1-03, 4F1-04, 4F1-06)

4F1-01 Programmed Array of Metallo-Porphyrins in a Peptide Duplex (Grad. Sch. Sci., Nagoya Univ.) YAMADA, Yasuyuki; NISHIO, Motoki; KUBOTA, Takayuki; TANAKA, Kentaro

4F1-02 Synthesis of Axially Bridged Heterodinuclear Porphyrin-Phthalocyanine Array in Fourfold Rotaxane (Nagoya Univ. Graduate School of Science, Department of Chemistry; RCMS, Nagoya Univ.; JST CREST) YAMADA, Yasuyuki; NAKAMURA, Yurika; MIHARA, Nozomi; TANAKA, Kentaro

4F1-03 The protonation and oxidization responses of nickeladithiolenes complex with ferrocene moiety (Grad. Sch. Sci., The Univ. of Tokyo) TANUSHI, Akira; KUSAMOTO, Tetsuro; HATTORI, Yohei; TAKADA, Kenji; NISHIHARA, Hiroshi

4F1-04* Redox Activity and Electronic Properties of π -Conjugated Metal Complex Nanosheet (Grad. Sch. Sci., The Univ. of Tokyo) KAMBE, Tetsuya; HOSHIKO, Ken; KUSAMOTO, Tetsuro; SAKAMOTO, Ryota; NISHIHARA, Hiroshi

4F1-06 Structural changes of two-dimensional Hofmann-type complexes accompanying guest adsorption and desorption processes (Fac. Sci., Kyushu Univ.) SHIMODA, Sayuri; MISHIMA, Akio; OHBA, Hisayoshi; KOSHIYAMA, Tomomi; OHBA, Masaaki

Chair: TANAKA, Kentaro (10:10~11:00)

* 10:00-10:10: interval for laptop PC connection.(4F1-08, 4F1-09, 4F1-11)

4F1-08 Metal-Complex Assemblies Constructed from a Redox activity Ligand H₂bhq and Lawsons: Structural Versatility and Control of Cavity (Fac. Sci., Fukuoka Univ.) MICHIWAKI, Syoichi; TANAKA, Seiya; FUYUHIRO, Akira; HAYAMI, Shinya; KAWATA, Satoshi

4F1-09* Dimer Style Changes of Tetraaza [14] Annulene Complexes Induced by Halogen Substitution (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) ICHIMURA, Shuhei; MIZUNO, Makoto; KODAKA, Kazuma; SAEKI, Masahiro; TAMAKI, Yoshinori; MIYAMURA, Kazuo

4F1-11* Synthesis and chemical properties of a tetrathiooxalate-bridged dinuclear nickel dithiolenes complex with two terminal ligands acting as a proton acceptor (Grad. Sch. Sci., Kyoto Univ.) HAYASHI, Mikihiro; KITAGAWA, Hiroshi

Chair: KAWATA, Satoshi (11:10~11:40)

* 11:00-11:10: interval for laptop PC connection.(4F1-14, 4F1-15, 4F1-16)

4F1-14 Synthesis and Identification of (η^6 -Arene)Ni(*N*-Heterocyclic carbene) Complexes (Grad. Sch. Eng., Osaka Univ.) HAYASHI, Yukari; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensuke

4F1-15 Oxidation of Alkane with Hydrogen Peroxide Catalyzed by Late Transition metal Complexes (Grad. Sch. Eng., Osaka Univ.) BUNNO, Shuji; MORIMOTO, Yuma; SUGIMOTO, Hideki; ITOH, Shinobu

4F1-16 Metal Ion and Surface Ligand Dependence of Photocatalytic Hydrogen Evolution Ability of a Combined System of 3d Metal Complex Catalysts and Photosensitizing Quantum Dots (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; JST-PRESTO) SAWAGUCHI, Kana; EBINA, Masanori; KOBAYASHI, Atsushi; KATO, Masako

Sunday, March 30, PM

Chair: AKITA, Munetaka (13:10~14:10)

* 13:00-13:10: interval for laptop PC connection.(4F1-26, 4F1-27, 4F1-28, 4F1-29, 4F1-30, 4F1-31)

4F1-26 Construction of Ag₂S Clusters Protected by Tris-Thiolato-Type Iridium (III) Complex Molecules (Grad. Sch. Sci., Osaka Univ.) MINAMI, Katsue; KUWAMURA, Naoto; YOSHINARI, Nobuto; IGASHIRA, Asako; KONNO, Takumi

4F1-27 Structural Conversion of Triphenylphosphine-Protected Gold Clusters by Tris(thiolato)-type Metal Complexes (Grad. Sch. Sci., Osaka Univ.) HASHIMOTO, Akari; KUWAMURA, Naoto; YOSHINARI, Nobuto; IGASHIRA, Asako; KONNO, Takumi

4F1-28 Single-Crystal-to-Single-Crystal Phase Transition of Gold Isocyanide

Complex Directed by Aurophilic Bond Formation via Photoirradiation (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Hokkaido Univ.) SAKURADA, Kenta; SEKI, Tomohiro; ITO, Hajime

4F1-29 Substituents effect on luminescence and mechanochromic properties of gold(I) isocyanide complexes (Sch. Eng., Hokkaido Univ.; Grad. Fac. Eng., Hokkaido Univ.) TAKAMATSU, Yuki; SEKI, Tomohiro; ITO, Hajime

4F1-30 Luminescent Silver(I) complexes bearing carbene and phosphine ligands. (Fac. Sci. and Technol., Seikei Univ.) Tsubomura, Taro; DEGAWA, Taku; NISHIKAWA, Michihiro

4F1-31[#] Structural conversion and adsorption properties of two-dimensional hollow-sheet-type coordination polymers (Grad. Sch. Sci., Kyushu Univ.) TANAKA, Sakuya; OHBA, Hisayoshi; MISHIMA, Akio; KOSHIYAMA, Tomomi; OHBA, Masaaki

Chair: SEKI, Tomohiro (14:20~15:20)

* 14:10-14:20: interval for laptop PC connection.(4F1-33, 4F1-34, 4F1-35, 4F1-36, 4F1-38)

4F1-33[#] Formation and luminescent properties of 2D sheet assemblage of Ag(I) ions by using dipeptide bridging ligand (Grad. Sch. Human. Sci., Ochanomizu Univ.) NAKAGAWA, Yuki; MIYAKE, Ryosuke

4F1-34 Synthesis and Photophysical Property of Au(I) Complex with *N*-Heterocyclic Carbene Ligand bearing Polycyclic Aromatic Compounds (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) RYOTA, Okuda; YUYA, Tanaka; MUNETAKA, Akita

4F1-35 Synthesis of bis(carbene) gold complex bearing pyridyl moiety (Fac. Sci., Shizuoka Univ.) KATO, Tomohisa; NISHINA, Naoko

4F1-36[#] Photocatalytic CO₂ reduction using novel type of photosensitizer (Grad. Sch. Sci., Eng., Tokyo Tech) ROHACOVA, Jana; TANAKA, Marina

4F1-38 Development of Efficient Chemical CO₂ Reduction System Using a New Re(I) Binuclear Complex Catalyst (Grad. Sch. Sci., Eng., Tokyo Tech) IMORI, Daisuke; MORIMOTO, Tatsuki; ISHITANI, Osamu

Chair: KOJIMA, Takahiko (15:30~16:30)

* 15:20-15:30: interval for laptop PC connection.(4F1-40, 4F1-42, 4F1-43, 4F1-44, 4F1-45)

4F1-40* A Novel Coupling Methods of Photofunctional Metal Complexes (Grad. Sch. Sci., Eng., Tokyo Tech) YAMAZAKI, Yasuomi; MORIMOTO, Tatsuki; KOIKE, Kazuhide; ISHITANI, Osamu

4F1-42 Time resolved infrared spectroscopy of rhenium diimine complexes with arylphosphine ligands (Grad. Sch. Sci., Eng., Tokyo Tech) FUNAKI, Masataka; MATSUBARA, Yoshitaka; YAMAZAKI, Yasuomi; MORIMOTO, Tatsuki; ISHITANI, Osamu; TANAKA, Sei-ichi; KOSHIHARA, Shin-ya; ONDA, Ken

4F1-43 Time resolved infrared spectroscopy of rhenium *N*-heterocyclic carbene complexes (Grad. Sch. Sci., Eng., Tokyo Tech; Curtin University) MUKUTA, Tatsuhiko; VAUGHAN, Jamila; STAGNI, Stefano; MASSI, Massimiliano; KOIKE, Kazuhide; ISHITANI, Osamu; KOSHIHARA, Shin-ya; ONDA, Ken

4F1-44 Analysis of vibrational spectra of the photoexcited state in ring-shaped Rhenium(I) multinuclear complexes by DFT calculation (Grad. Sch. Sci., Eng., Tokyo Tech; JST-PRESTO) MATSUBARA, Yoshitaka; ASATANI, Tsyoshi; MORIMOTO, Tatsuki; ISHITANI, Osamu; TANAKA, Seiichi; KOSHIHARA, Shin-ya; ONDA, Ken

4F1-45 Photochemical Properties of Covalently Linked Chlorophyll-Rhenium Bipyridine Complexes (Ritsumeikan Univ., Grad. Sch. Life Sci.) KITAGAWA, Yuichi; TAMIYAKI, Hitoshi

Room F2

Liberal Arts & Sciences Main Building
C12

Coordination Chemistry, Organometallic Chemistry

Thursday, March 27, AM

Fe,Ru

Chair: TAHARA, Atsushi (9:00~10:00)

* 8:50-9:00: interval for laptop PC connection.(1F2-01, 1F2-02, 1F2-03, 1F2-04, 1F2-05, 1F2-06)

1F2-01 Synthesis and Structure of Multinuclear Ferrocene Complex Bridged by Perfluorocyclopentene Unit (Coll. Eng., Ibaraki Univ.) FUKUMOTO, Hiroki; HOSOYA, Takaaki; KUBOTA, Toshio

1F2-02 Synthesis of 1,1'-ferrocenylenediphosphido-bridged dinuclear iron complexes having a range of substituent on the phosphorus centers (Fac. Sci., Hiroshima Univ.) MAENO, Yuki; IWACHIDO, Yuka; KUME, Shoko; KUBO, Kazuyuki; MIZUTA, Tsutomu

1F2-03 Synthesis and Physical Properties of Linear Two-Coordinate Organonitrogen(II) Dinuclear Complexes (Fac. Sci. Eng., Kinki Univ.) GODA, Shun;

OKAZAWA, Atsushi; KOJIMA, Norimichi; HASHIZUME, Daisuke; KOBAYASHI, Yoshio; FUENO, Hiroyuki; TANAKA, Kazuyoshi; MATSUO, Tsukasa

1F2-04 Activation of Si-E bonds (E = H, Cl, and O) by the cationic [CCH] subunit bridged over the tetrairon core (Hirotsugu Univ. Graduate School of Science and Technology) TANIWAKI, Wataru; OKAZAKI, Masaaki

1F2-05 Activation of 1-Hexyne at the Cationic [CCH] Subunit Semi-Stabilized by the Tetrairon Core (Hirotsugu Univ. Graduate School of Science and Technology) NOMIYA, Kazushi; OKAZAKI, Masaaki

1F2-06 X-ray crystallographic analysis of organometallic compounds using crystalline sponges (Grad. Sch. Eng., The Univ. of Tokyo; JST CREST) TAKAHASHI, Yuki; YOSHIOKA, Syota; INOKUMA, Yasuhide; FUJITA, Makoto

Chair: FUKUMOTO, Hiroki (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1F2-08, 1F2-09, 1F2-10, 1F2-11, 1F2-12, 1F2-13)

1F2-08 Reactions of a dichlorogallyliron complex with lithium amides (Gunma Univ. Faculty of Science and Technology) OOHIRA, Tetsuya; MURAOKA, Takako; UENO, Keiji

1F2-09[#] Reactions of a gallane(pyridyl)iron complex with esters (Gunma Univ. Faculty of Science and Technology) SITI, Nursalihan; MURAOKA, Takako; UENO, Keiji

1F2-10 Synthesis and structures of novel iron complexes bearing pincer type MesoIonic Carbene (MIC) (Fac. Sci., Fukuoka Univ.) IWASAKI, Haruka; KOGA, Yuji; MATSUBARA, Kouki

1F2-11 Synthesis and Reaction of New Iron Silyl Complexes bearing NCN Tridentate Ligand (Grad. Sch. Eng., Nagoya Univ.) HAIKUZANA, Binti Khalid; HOSOKAWA, Satomi; ITO, Jun-ichi; NISHIYAMA, Hisao

1F2-12 Synthesis and applications of vinyl ketene iron complexes (KIT) URAKAWA, Akihiro; SATA, Naoki; KITAMURA, Mitsuru; OKAUCHI, Tastuo

1F2-13 Double C-H Activation and Boration on an Intramolecular sp³ Carbon in an Aminotrihydroborate Iron Complex (Grad. Sch. Sci., Tohoku Univ.) TAKAHASHI, Hirotosugu; WATANABE, Takahito; TOBITA, Hiromi

Chair: TAKEMOTO, Shin (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1F2-15, 1F2-16, 1F2-17, 1F2-18, 1F2-19)

1F2-15 Synthesis and Structure of Iron Carbene Complex from Iron Silyl Complex and Amide Ar₂NCH(E = S, O) (Grad. Sch. Sci., Osaka City Univ.) ITAZAKI, Masumi; HAZUTANI, Masaki; ITO, Masaki; HASHIMOTO, Yasuhiro; NAKAZAWA, Hiroshi

1F2-16 Selective Mono Hydrophosphination of Terminal Arylalkyne Catalyzed by Iron Complex (Grad. Sch. Sci., Osaka City Univ.) ITAZAKI, Masumi; KATSUBE, Shinya; KAMITANI, Masahiro; NAKAZAWA, Hiroshi

1F2-17 Hydrosilylation Reaction of Alkene Catalyzed by an Iron Complex Bearing a Diimine Derivative (Grad. Sch. Sci., Osaka City Univ.) YAMAMOTO, Haruka; NAKAZAWA, Hiroshi

1F2-18 Synthesis of ruthenium(II)-terpyridine complexes encapsulated in a cage type ligand (Grad. Sch. Sci., Osaka Univ.; JST PRESTO) HARA, Kanae; ODA, Kohei; HATANAKA, Tsubasa; MASUDA, Hideki; FUNAHASHI, Yasuhiro

1F2-19* Synthesis and Reactivity of a Triruthenium Alkyne Complex Capped by a Triply Bridging Oxoboryl Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) KANEKO, Takeshi; TAKAO, Toshiro; SUZUKI, Hiroharu

Thursday, March 27, PM

Chair: NAKAZAWA, Hiroshi (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(1F2-28, 1F2-31, 1F2-33)

1F2-28 Young Scholar Lectures of CSJ Design and synthesis of novel transition metal complexes bearing the disilametallacycle skeleton (IMCE, Kyushu Univ.) SUNADA, Yuusuke

1F2-31* Reactivities of Diruthenium Polyhydrido Complexes Supported by 1,4,7-triazacyclononane and Phosphine-Type Ligands (Grad. Sch. Sci., Eng., Tokyo Tech) NAMURA, Kyo; SUZUKI, Hiroharu

1F2-33 Photochemical reaction of dinuclear ruthenium polyhydride cluster with carbon dioxide. (Grad. Sch. Sci., Eng., Tokyo Tech) SHIMOGAWA, Ryuichi; TAKAO, Toshiro; SUZUKI, Hiroharu

Chair: TAKAO, Toshiro (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(1F2-35, 1F2-36, 1F2-37, 1F2-38, 1F2-39, 1F2-40)

1F2-35 Synthesis and Reactivity of Phosphido-Bridged Dinuclear Ruthenium Methylidyne Complexes (Grad. Sch. Sci., Osaka Pref. Univ.) UMETANI, Kento; TAKEMOTO, Shin; MATSUZAKA, Hiroyuki

1F2-36 Synthesis and Reactivity of Dinuclear Ruthenium Complex Containing Bridging Plumblylene Ligand (Grad. Sch. Sci., Osaka Pref. Univ.) YAMANO, Takahiro; TAKEMOTO, Shin; MATSUZAKA, Hiroyuki

1F2-37 Synthesis and Reactivity of Ruthenium Complexes Bearing an O,N-Chelating Salicyloxime Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) FURUTA, Tatsuro; KUWATA, Shigeki; IKARIYA, Takao

1F2-38 Synthesis and Reactivity of Ruthenium and Iridium Complexes Bearing Chelating Sulfonamidato Ligands (Grad. Sch. Sci., Eng., Tokyo Tech) YAMAGUCHI, Ayumi; KUWATA, Shigeki; IKARIYA, Takao

1F2-39 Synthesis and Reactivity of Ruthenium Complexes Bearing an Arsenic-Containing ANA-type Pincer Ligand (Grad. Sch. Eng., The Univ. of Tokyo) TANABE, Yoshiaki; KURIYAMA, Shogo; ARASHIBA, Kazuya; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki

1F2-40 Asymmetric three-component coupling reaction of alkyne, α, β -unsaturated carbonyl compound and aldehyde catalyzed by chiral Phebox-Ru complexes. (Sch. Eng., Nagoya Univ.) UBUKATA, Shino; OGURI, Ryota; ITO, Jun-ichi; NISHIYAMA, Hisao

Chair: NAKAJIMA, Kazunari (15 : 50~16 : 30)

* 15:40-15:50: interval for laptop PC connection.(1F2-42, 1F2-44, 1F2-45)

1F2-42* Synthesis of New Ru(0) Complexes Having a Cyclic Diene Ligand and Their Application to Catalytic Cross-Dimerization of Substituted Alkenes (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; JST ACT-C) HIROI, Yuki; KOMINE, Nobuyuki; KOMIYA, Sanshiro; HIRANO, Masafumi

1F2-44 Concerted Carbocation Elimination from 2-Methoxyphenoxy Group in Bis(aryloxo)ruthenium(II) Compound as a Key Intermediate (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YASUMURO, Tomoyuki; KOMINE, Nobuyuki; HIRANO, Masafumi

1F2-45[#] Cross-Dimerization between Conjugated Dienes and Styrene by a Ruthenium(0) Complex (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; JST ACT-C) UEDA, Takao; KOMINE, Nobuyuki; KOMIYA, Sanshiro; HIRANO, Masafumi

Chair: KOMINE, Nobuyuki (16 : 40~17 : 20)

* 16:30-16:40: interval for laptop PC connection.(1F2-47, 1F2-49, 1F2-50)

1F2-47^{#*} From a Decomposition product to a Highly Efficient Multitasking Ruthenium Catalyst (University of St. Andrews School of Chemistry) MANZINI, Simone; FERNANDEZ-SALAS, Jose Antonio; NELSON, David J.; URBINA-BLANCO, César Alejandro; POATER, Albert; PIOLA, Lorenzo; SLAWIN, Alexandra M. Z.; CAVALLO, Luigi; NOLAN, Steven P.

1F2-49 Ruthenium-Catalyzed Coupling of Aromatic Compounds with Cyclic Alkenyl Carbonates (Fac. Sci. Tech., Keio Univ.) HARA, Yusuke; KOCHI, Takuya; KAKIUCHI, Fumitoshi

1F2-50 Synthesis and Properties of Phosphinebis(silyl)ruthenium Complexes Employing an Allyl Complex as a Precursor (Grad. Sch. Sci., Tohoku Univ.) KITANO, Takeo; KOMURO, Takashi; TOBITA, Hiromi

Friday, March 28, AM

Chair: KUWAMURA, Naoto (9 : 00~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2F2-01, 2F2-02, 2F2-03, 2F2-05, 2F2-06)

2F2-01 Preparations and Magnetic Properties of Cobalt Dinuclear Complexes Having a Slow Magnetic Relaxation (Grad. Sch. Pharm., Kyushu Univ.) KARASAWA, Satoru; KOGA, Noboru

2F2-02 Construction of a nonanuclear Co(II) assembled structure based on triplicate asymmetric multidentate ligands (Grad. Sch. Sci., Kyushu Univ.) TSUJI, Yasuhiro; TOGO, Tatsuo; MISHIMA, Akio; KOSHIIYAMA, Tomomi; OHBA, Masaaki

2F2-03* Control Structures and Magnetic Properties of Dinuclear Complexes by Chiral Ligands (IMCE, Kyushu Univ.) KANEGAWA, Shinji; NARAZAKI, Yu; KANG, Soonchul; SATO, Osamu

2F2-05 Synthesis and Characterization of Self-assembled Metal Complexes with H₂tdpd (Fac. Sci., Fukuoka Univ.; Rigaku ASD; Grad. Sch. Sci., Osaka Univ.; Grad. Sch. Sci. Technol., Kumamoto Univ.) YOSHIOKA, Shiori; KONAKA, Hisashi; FUYUHIRO, Akira; HAYAMI, Shinya; YAMAGUCHI, Toshio; KAWATA, Satoshi

2F2-06 Synthesis and Guest Recognition of Novel Cage-like Trinuclear Cobalt Complexes Having Bridging Diamine Ligands at the Openings (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Coll. Sci. Eng., Kanazawa Univ.) MIYASHITA, Masato; AKINE, Shigehisa; NABESHIMA, Tatsuya

Chair: SATO, Osamu (10 : 10~10 : 40)

* 10:00-10:10: interval for laptop PC connection.(2F2-08, 2F2-09, 2F2-10)

2F2-08 Time programmed Helicity Inversion in tris(2,2'-bipyridine)-Metal Complex Triggered by a Nitrate Anion (Grad. Sch. Sci., Osaka City Univ.) SAKAMOTO, Tatsuya; OHARA, Kazuaki; YAMAGUCHI, Kentaro; TSUKUBE, Hiroshi; MIYAKE, Hiroyuki

2F2-09 Synthesis and Structures of D-Penicillaminato Au^ICo^{III} Pentanuclear Complexes with Vinylene-Linked Diphosphine Ligands (Grad. Sch. Sci., Osaka Univ.) ITAI, Takuma; KUWAMURA, Naoto; YOSHINARI, Nobuto; IGASHIRA, Asako; KONNO, Takumi

2F2-10 Photocatalytic Production of H₂O₂ from Water and Oxygen with a High Solar Energy Conversion Efficiency (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) ISAKA, Yusuke; SUENOBU, Tomoyoshi; FUKUZUMI, Shunichi

Chair: MASUDA, Hideki (10 : 50~11 : 30)

* 10:40-10:50: interval for laptop PC connection.(2F2-12, 2F2-13, 2F2-14, 2F2-15)

- 2F2-12** Four-electron reduction of dioxygen catalyzed by dinuclear cobalt complexes bridged by Bis(terpyridyl)anthracene (rikkyo univ. fac. sci.) MAKI, Hidetaka; MIYAZATO, Yuji; WADA, Tohru
- 2F2-13** Effect of bridging ligand on four-electron reduction of dioxygen catalyzed by dinuclear cobalt complex (rikkyo univ. fac. sci.) WADA, Misato; MIYAZATO, Yuji; WADA, Toru
- 2F2-14** Oxygen evolution in water by using oxidant and diiron(III), dicobalt (II) complexes with carboxylate-containing dinucleating ligands (Fac. Sci. Eng., Doshisha Univ.) TSUJI, Tomokazu; YONAGA, Shuhei; KODERA, Masahito; HITOMI, Yutaka
- 2F2-15** Controlling the dioxygen binding ability of mononuclear cobalt complexes with N5 donor Set (Fac. Eng., Kanagawa Univ.) NISHIURA, Toshiki; CHIBA, Yosuke; NAKAZAWA, Jun; HIKICHI, Shiro

Friday, March 28, PM

Chair: WADA, Tohru (14 : 30~15 : 20)

- * 14:20-14:30: interval for laptop PC connection.(2F2-34, 2F2-36, 2F2-37, 2F2-38)
- 2F2-34*** Alkane Oxidation by Immobilized Complex Catalysts: Influence of Ligand Loading on the Reactivity (Fac. Eng., Kanagawa Univ.) NAKAZAWA, Jun; YATA, Akinori; HIKICHI, Shiro
- 2F2-36** Synthesis and characterization of a thiolate-amide type Co(III) complex and its reactivity for nitric oxide. (Nagoya Inst. of Tech. Dep. of Frontier Materials) ITO, Hironobu; INOMATA, Tomohiko; OZAWA, Tomohiko; MASUDA, Hideki
- 2F2-37** Characterization of an Oxidative Intermediate Species in a Manganese (II) Complex System with Structural Distortion (Nagoya Inst. of Tech.) TSUJI, Yoshiki; INAGAKI, Yoshiyuki; INADUMI, Takanori; INOMATA, Tomohiko; OZAWA, Tomohiro; FUNAHASHI, Yasuhiro; MASUDA, Hideki
- 2F2-38** Hydration of nitriles by ruthenium complex with a coordination environment similar to nitrile hydrates (Nagoya Inst. of Tech. Department of Frontier Materials) AWANO, Hiroya; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki

Chair: NAKAZAWA, Jun (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(2F2-40, 2F2-41, 2F2-42, 2F2-43, 2F2-44, 2F2-45)
- 2F2-40** Synthesis and characterization of heterometallic multinuclear complexes including a Ru(II)-polypyridine unit in a macrocyclic ligand (Nagoya Inst. of Tech. Department of Frontier Materials, Graduate School of Engineer) ODA, Kohei; INOMATA, Tomohiko; OZAWA, Tomohiro; FUNAHASHI, Yasuhiro; MASUDA, Hideki
- 2F2-41** Reversible acetylide-vinylidene interconversion in a chiral mixed-valence diruthenium (II, III) complex in solution, liquid crystal and solid state. (Grad. Sch. Sci., Kitasato Univ.) KUWAHARA, Kyohei; YOSHIDA, Jun; YUGE, Hidetaka
- 2F2-42** Electrochemical properties of single-walled carbon nanotube with dinuclear ruthenium complex having mixed-valence state at ambient condition (Fac. Sci. Eng., Chuo Univ.) KITA, Tomomi; KOSAKA, Kazuma; OZAWA, Hiroaki; HAGA, Masa-aki
- 2F2-43** Synthesis of a Heterometallic Multinuclear Complex Including a Sulfur Containing Ligand inside a Cage Type Ligand. (Nagoya Inst. of Tech.; Grad. Sch. Sci., Osaka Univ.; JST-PRESTO) NISHINO, Tatsuya; INOMATA, Tomohiko; OZAWA, Tomohiro; FUNAHASHI, Yasuhiro; MASUDA, Hideki
- 2F2-44** Elucidation of Formation Process of Coordination Polymers Using Tripodal Triheteroaryl Ligands (Grad. Sch. Sci., Osaka City Univ.) TAMURA, Teppei; NISHIKAWA, Keisuke; MORIMOTO, Yoshiki; TACHI, Yoshimitsu
- 2F2-45** Effect of Core Structure in Formation Process of Metal Complexes Supported by Tripodal Heteroaryl Ligand (Fac. Sci., Osaka City Univ.) KAKUTAKA, Kairi; NISHIKAWA, Keisuke; MORIMOTO, Yoshiki; TACHI, Yoshimitsu

Chair: TACHI, Yoshimitsu (16 : 40~17 : 30)

- * 16:30-16:40: interval for laptop PC connection.(2F2-47, 2F2-48, 2F2-49, 2F2-50, 2F2-51)
- 2F2-47** CocrySTALLIZATION of Metal Salts with Penicillaminato Tripalladium(II) Complex Molecules (Grad. Sch. Sci., Osaka Univ.) YOKOI, Anzu; YOSHINARI, Nobuto; KUWAMURA, Naoto; IGASHIRA, Asako; KONNO, Takumi
- 2F2-48** Development of Novel Aqueous Accelerating-ligands for Copper-catalyzed Azide-alkyne Cycloaddition (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) TERAWAKI, Tomonori; SAKAI, Naoko; TAKI, Masayasu; YAMAMOTO, Yukio
- 2F2-49** Synthesis and Reactivity of Mn(III) Complexes Supported by Trianionic Ligand containing β -Diketimate Framework (Sch. Eng., Osaka Univ.) HANADA, Shin-ichi; TAKAICHI, June; MORIMOTO, Yuma; SUGIMOTO, Hideki; ITOH, Shinobu
- 2F2-50** Magnetic properties of $S = 3$ nickel(II) triangular complexes (The Univ. of Electro-Communications Department of Engineering Science; IMR, Tohoku Univ.) IDA, Yumi; NOJIRI, Hiroyuki; ISHIDA, Takayuki
- 2F2-51** Preparation Novel Magnetic Ionic liquids composed of Hybrid Type

Anion (Fac. Edu., Kagawa Univ.) OHNISHI, Hirokuni; TAKAGI, Yumiko

Saturday, March 29, AM

Fe

Chair: TSUBOMURA, Taro (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3F2-01, 3F2-02, 3F2-03, 3F2-04)
- 3F2-01** Preparation and Physical Properties of New Functional Complexes Consisting of Anionic Iron Complex and Organic Conductor (Grad. Sch. Eng. Sci., Kyushu Univ.) WATANABE, Kenta; KANEGAWA, Shinji; KANG, Soonchul; SATO, Osamu
- 3F2-02** Structure and properties of 42-nuclear metal-organic polyhedra (1) (Grad. Sch. Eng. Sci., Kyushu Univ.) HAMACHI, Kohei; KANG, Soonchul; KANEGAWA, Shinji; SATO, Osamu
- 3F2-03** Structure and properties of 42-nuclear metal-organic polyhedra (2) (Kyushu Univ. IMCE) KANG, Soonchul; HAMACHI, Kohei; KANEGAWA, Shinji; SATO, Osamu

Cu

- 3F2-04** CSJ Award for Young Chemists Development of Novel Porous Properties by Crystal Interface Engineering of Coordination Polymers (iCeMS, Kyoto Univ.) FURUKAWA, Shuhei

Chair: KUME, Shoko (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3F2-08, 3F2-10, 3F2-12)
- 3F2-08**** Highly selective gas separation by stimuli-responsive crystalline micropores (iCeMS, Kyoto Univ.) SATO, Hiroshi; MATSUDA, Ryotaro; KITAGAWA, Susumu
- 3F2-10*** Synthesis and functionalization of emissive copper(I) complexes bearing bipyridine and diphosphine (Fac. Sci. and Technol., Seikei Univ.) NISHIKAWA, Michihiro; AKIYAMA, Asumi; KOBAYASHI, Ryo; HASEGAWA, Eri; WAKITA, Yuri; TSUBOMURA, Taro
- 3F2-12*** Application of neutral coinage metal complexes with an anionic bidentate ligand in delayed fluorescence-type organic light-emitting diodes (RIKEN Luminescent Materials Laboratory; CANON) OSAWA, Masahisa; KAWATA, Isao; ISHIDA, Ryuji; IGAWA, Satoshi; HASHIMOTO, Masashi

Cu

Chair: MATSUDA, Ryotaro (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(3F2-15, 3F2-17, 3F2-18)
- 3F2-15*** Study on Emission Mechanism of Copper(I) dinuclear Phenylacetylide Complexes with Diphosphine Ligands (Grad. Sch. Sci. Eng., Univ. of Toyama; Grad. Sch. Sci., Osaka City Univ.) ISHIKAWA, Emiko; NARUSE, Daisuke; IWAMURA, Munetaka; KMBARA, Ryusuke; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji; NOZAKI, Koichi
- 3F2-17** Synthesis of a Novel Luminescent Lanthanide Complex for Time-Resolved Detection of Copper(I) Ion and Its Spectroscopic Properties (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) YOSHIHARA, Tomohiro; TAKI, Masayasu; YAMAMOTO, Yukio
- 3F2-18*** Redox Switching of Alkyne Coupling Product through Dual Copper Catalytic Reactivity (Grad. Sch. Sci., Hiroshima Univ.) KUME, Shoko; NITTA, Yuya; MIZUTA, Tsutomu

Asian International Symposium-Coordination Chemistry, Organometallic Chemistry-

Saturday, March 29, PM

Chair: OHBA, Masaaki, CHANG, Ho-Chol (13 : 00~14 : 10)

- 3F2-25*** Keynote Lecture Oxygen-Sensing Luminescent Porous Coordination Polymers (Sun Yat-Sen Univ., China) ZHANG, Jie-Peng (13:00~13:30)
- 3F2-28*** Invited Lecture Spatial Control of Coordination-Driven Assembly (Kyoto Univ.) FURUKAWA, Shuhei (13:30~13:50)
- 3F2-30*** Invited Lecture Liquid Crystalline Metallomacrocycles toward Soft Materials with Nanospaces (Nagoya Univ.) KAWANO, Shin-ichiro (13:50~14:10)
- Chair: MIYASAKA, Hitoshi (14 : 20~15 : 20)
- 3F2-33*** Invited Lecture Ionic Conduction in Porous Coordination Polymer (Kyushu Univ.) YAMADA, Teppei (14:20~14:40)
- 3F2-35*** Invited Lecture Coordination Programming of Functional Molecular Wires and Sheets (The Univ. of Tokyo) SAKAMOTO, Ryota (14:40~15:00)
- 3F2-37*** Invited Lecture Visualization of trace compounds using porous coordination complexes (The Univ. of Tokyo) INOKUMA, Yasuhide (15:00~15:20)

Chair: UENO, Takafumi, MURAHASHI, Tetsuro (15 : 30~16 : 40)

- 3F2-40*** Invited Lecture Programmed Hemoprotein Assemblies as a

Bioelectronic Interface (Osaka Univ.) ONODA, Akira (15:30~15:50)

3F2-42[#] Invited Lecture Creating Dendritic Structure with Potential Gradient (Tokyo Inst. of Tech.) ALBRECHT, Ken (15:50~16:10)

3F2-44[#] Keynote Lecture Supramolecular Polymers and Vesicles Constructed by Orthogonal Self-Assembly (Nanjing Univ., China) WANG, Leyong (16:10~16:40)

Coordination Chemistry, Organometallic Chemistry

Sunday, March 30, AM

Chair: KAWANO, Masaki (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(4F2-01, 4F2-04, 4F2-05)

4F2-01 Young Scholar Lectures of CSJ Programmable synthesis of porphyrin/phthalocyanine stacked arrays (RCMS, Nagoya Univ.) YAMADA, Yasuyuki

4F2-04 Study on crystal structures and photoluminescent activity copper(I) complexes having nitrogen-containing aromatic ligands (The Univ. of Electro-Communications Department of Engineering Science) KITADA, Nobuo; ISHIDA, Takayuki

4F2-05* Photochemical Reactions of 2-Aminophenolato and ortho-Phenylene-diamine Complexes (Fac. Sci. Eng., Chuo Univ.) WAKIZAKA, Masanori; TANAKA, Ryota; USUI, Akane; KOBAYASHI, Atsushi; KATO, Masako; CHANG, Ho-chol

Chair: MASUDA, Hideki (10 : 10 ~ 11 : 10)

* 10:00-10:10: interval for laptop PC connection.(4F2-08, 4F2-10, 4F2-11, 4F2-12, 4F2-13)

4F2-08* Photocatalyst for carbon dioxide reduction using Cu complexes as a photosensitizer and a Fe complex as a catalyst (Grad. Sch. Sci., Eng., Tokyo Tech; CREST/JST) HIROYUKI, Takeda; OSAMU, Ishitani

4F2-10[#] Controls in Interchain-Interaction and Physical Properties of Binuclear Copper (II) Polymers with Bulky Benzoate Ligands (Grad. Sch. Eng., Tohoku Univ.) TAKAHASHI, Kiyonori; HOSHINO, Norihisa; NORO, Shin-ichiro; NAKAMURA, Takayoshi; AKUTAGAWA, Tomoyuki

4F2-11 Synthesis and Characterization of Copper Complexes Supported by Tris-guanidine Ligands (Grad. Sch. Eng., Osaka Univ.) SHIMIZU, Ikuma; MORIMOTO, Yuma; SUGIMOTO, Hideki; ITOH, Shinobu

4F2-12[#] Redox Property of Copper Complexes Bearing Pyridine-Linked Bis-aniline Pincer Ligand (Osaka Univ.) MORIMOTO, Yuma; ITOH, Shinobu

4F2-13[#] Characterization of Cu-Complexes Supported by Non-innocent β -Diketiminato Ligands (Grad. Sch. Eng., Osaka Univ.) TAKAICHI, June; MORIMOTO, Yuma; SUGIMOTO, Hideki; FUJIEDA, Nobutaka; ITOH, Shinobu

Chair: KOTANI, Hiroaki (11 : 20 ~ 12 : 00)

* 11:10-11:20: interval for laptop PC connection.(4F2-15, 4F2-16, 4F2-17, 4F2-18)

4F2-15[#] Peroxide-reactivity of copper complexes supported by tridentate ligands having cyclic-diamine frameworks (Grad. Sch. Eng., Osaka Univ.) ABE, Tsukasa; OGURA, Takashi; MORIMOTO, Yuma; SUGIMOTO, Hideki; FUJIEDA, Nobutaka; ITOH, Shinobu

4F2-16 Two-electron Reduction of Dioxygen Catalyzed by a Mononuclear Copper(II) Complex with Lewis Acids (Grad. Sch. Eng., Osaka Univ.; ALCA, JST; Johns Hopkins Univ) KAKUDA, Saya; OHKUBO, Kei; PETERSON, Ryan, I.; KARLIN, Kenneth d.; FUKUZUMI, Shunichi

4F2-17 Ligand Effects on the Reactivity of a Mononuclear Copper(II)-Superoxo Complex (Grad. Sch. Eng., Osaka Univ.) TANO, Tetsuro; MORIMOTO, Yuma; SUGIMOTO, Hideki; ITOH, Shinobu

4F2-18 Synthesis and reactivity of a novel unsymmetric dicopper complex (Nagoya Inst. of Tech. department of technology) OCHIAI, Tatsuya; OZAWA, Tomohiro; INOMATA, Tomohiko; MASUDA, Hideki

Sunday, March 30, PM

Chair: OHKUBO, Kei (13 : 10 ~ 14 : 10)

* 13:00-13:10: interval for laptop PC connection.(4F2-26, 4F2-27, 4F2-28, 4F2-29, 4F2-30, 4F2-31)

4F2-26 Synthesis and reactivity of Cu(II) complexes having NNN or NSN pincer ligands (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YAGI, Tomomi; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko

4F2-27 Synthesis of metal complexes containing water activation moiety as an active site of nitrile hydrates (Nagoya Inst. of Tech. Department of Frontier Material) ANDO, Hiroki; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki

4F2-28 Synthesis and Characterization of Copper Complexes Having NAD Model Ligands (Fac. Sci., Univ. of Toyama; Grad. Sch. Sci. Eng., Univ. of Toyama; iCeMS, Kyoto Univ.) TAKAOKA, Mikio; OHTSU, Hideki; TSUGE, Kiyoshi; TANAKA, Koji

4F2-29 Synthesis of metal complex containing proteins using microfluidic device (Inst. Nanosci. & Nanotech., Waseda Univ.) TANAKA, Daiki; YOON, Dong hyun; SEKIGUCHI, Tetsushi; SHOJI, Shuichi; AKITSU, Takashiro

4F2-30 Coordination structure conversion of hydrazone-Cu(I) complexes and

their color changes in the solid caused by protonation and deprotonation on the coordinated ligands (Aichi Univ. of Educ. Department of education, science education specialty) TATEISHI, Tomoya; NAKAJIMA, Kiyohiko

4F2-31 Syntheses and crystal structures of porous coordination polymers built from Cu(I)-diimine complex ligand (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; JST-PRESTO) SUGIYAMA, Akira; KOBAYASHI, Atsushi; KATO, Masako

Chair: TSUGE, Kiyoshi (14 : 20 ~ 15 : 20)

* 14:10-14:20: interval for laptop PC connection.(4F2-33, 4F2-34, 4F2-35, 4F2-36, 4F2-37, 4F2-38)

4F2-33 Structures and Physical Properties of [3 x 3] Grid-type Complexes [Cu₈Fe] (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SATO, Hiroki; SHIGA, Takuya; NEWTON, Graham Neil; OSHIO, Hiroki

4F2-34 Preparation of Thiolato-Bridged Heterometallic Clusters with a Defective Site (Grad. Sch. Sci., Osaka Univ.) YOSHINARI, Nobuo; KONNO, Takumi

4F2-35 Investigation for synthesis and properties of Hetero cluster helicate from Hbpyzp (Fac. Sci., Fukuoka Univ.) KATSUTA, Nagisa; NIFUKU, Syouei; FURUSHOU, Midori; MISHIMA, Akio; FUYUHIRO, Akira; OHBA, Masaaki; HAYAMI, Shinya; KAWATA, Satoshi

4F2-36 Novel reactions of TCNE: formation of supramolecular structures by reaction with self-assembled M2-bpyzp systems (Fac. Sci., Fukuoka Univ.; Grad. Sch. Sci., Osaka Univ.; Grad. Sch. Sci. Technol., Kumamoto Univ.) FURUSHOU, Midori; NIFUKU, Shouei; KATUTA, Nagisa; MISHIMA, Akio; HAMATAKE, Yumi; FUYUHIRO, Akira; HAYAMI, Shinya; KAWATA, Satoshi

4F2-37 Control of Structural Change of Cu(II) Binuclear Complexes of Pyrazole-Based Ligand by External Stimuli (Fac. Sci., Fukuoka Univ.) NIFUKU, Shouei; KATSUTA, Nagisa; FURUSHOU, Midori; MISHIMA, Akio; HAMATAKE, Yumi; FUYUHIRO, Akira; HAYAMI, Shinya; KAWATA, Satoshi

4F2-38 Functions of hexanuclear ring complexes induced by an asymmetric flexed ligand (Grad. Sch. Sci., Kyushu Univ.) YONEDA, Hiroshi; OHBA, Hisayoshi; MISHIMA, Akio; KOSHIYAMA, Tomomi; OHBA, Masaaki

Chair: OZAWA, Tomohiro (15 : 30 ~ 16 : 30)

* 15:20-15:30: interval for laptop PC connection.(4F2-40, 4F2-41, 4F2-42, 4F2-43, 4F2-44)

4F2-40 Construction of novel porous frameworks based on twisted tetra-ketone derivatives (Grad. Sch. Sci., Kyushu Univ.) EGUCHI, Daisuke; YONEDA, Hiroshi; OHBA, Hisayoshi; MISHIMA, Akio; KOSHIYAMA, Tomomi; OHBA, Masaaki

4F2-41 Studies on Electrical Conductive Properties of Thin Films of Dithiocarbamate Coordination Polymers (Fac. Sci. Eng., Kinki Univ.; JST-PRESTO) HIMOTO, Kento; SUZUKI, Shimpei; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA-SOWA, Takayoshi

4F2-42 Structure control of Osmium Complexes of Tetradentate N4 Ligands (Grad. Sch. Eng., Osaka Univ.) MAEDA, Kazuki; SUGIMOTO, Hideki; ITOH, Shinobu

4F2-43 Synthesis and redox behavior of an osmium complex coordinated by a nitrogen containing hexadentate ligand (Sch. Eng., Osaka Univ.) KIRIYAMA, Kahori; SUGIMOTO, Hideki; ITOH, Shinobu

4F2-44* 1,2-Aminohydroxylation of Alkene Catalyzed by an Osmium Complex Supported by an N4 Ligand (Sch. Eng., Osaka Univ.) MIKAMI, Akine; SUGIMOTO, Hideki; ITOH, Shinobu

Room F3

Liberal Arts & Sciences Main Building
C13

Coordination Chemistry, Organometallic Chemistry

Thursday, March 27, AM

Bioinorganic Chemistry

Chair: SUGIMOTO, Hideki (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1F3-01, 1F3-02, 1F3-03, 1F3-05, 1F3-06)

1F3-01 Incorporation of heterogeneous metal complexes into the protein cage (Sch. Biosci. Biotech., Tokyo Tech) FUKUMORI, Kazuki; MAITY, Basudev; ABE, Satoshi; UENO, Takashi

1F3-02 Construction of an Electrode Modified with a Cytochrome b562-Immobilized Gold Nanoparticles (Grad. Sch. Eng., Osaka Univ.) TANIGUCHI, Tomoaki; UEMEDA, Yasunari; ONODA, Akira; HAYASHI, Takashi

1F3-03[#] New Generation of Decoy molecules to Powerfully Activate Cytochrome P450BM3 for Small Alkanes Hydroxylation (RCMS, Nagoya Univ.; Grad. Sch. Sci., Nagoya Univ.; RIKEN Spring-8 Center, Harima Institute)

CONG, Zhiqi; SHOJI, Osami; SUGIMOTO, Hiroshi; SHIRO, Yoshitsugu; WATANABE, Yoshihito

1F3-05 Development of Hybrid Type Artificial Siderophore-Modified Substrate for Analyzing Microbes (Nagoya Inst. of Tech. Graduate School of Engineering) IDO, Hiroki; MURASE, Takanori; OZAWA, Tomohiro; INOMATA, Tomohiko; MASUDA, Hideki

1F3-06 Immobilization of microbes using artificial siderophore/ionic liquid mixed monolayer (Nagoya Inst. of Tech. Nagoya Inst. of Tech.) SASAKI, Noriyuki; KITAGAWA, Tatsuya; INOMATA, Tomohiro; OZAWA, Tomohiro; MASUDA, Hideki

Chair: SHOJI, Osami (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1F3-08, 1F3-10, 1F3-11, 1F3-12)

1F3-08* Functional alteration by introduction of a coordinative amino acid residue at the hydrophobic O₂ binding site of a hemerythrin-like diiron protein (Grad. Sch. Eng., Osaka Univ.) OKAMOTO, Yasunori; ONODA, Akira; HAYASHI, Takashi

1F3-10 Synthesis of coordination polymers in aqueous phase of liposome incorporated antibiotics channels (Fac. Sci., Kyushu Univ.) HONJO, Masayuki; KOSHIYAMA, Tomomi; OHBA, Masaaki

1F3-11 Analysis of binding constants of metal substituted carbonic anhydrase-sulfonamide inhibitor complexes by capillary electrophoresis (Grad. Sch. Environmental Studies, Tohoku Univ.) SATO, Yosuke; HOSHINO, Hitoshi; IKI, Nobuhiko

1F3-12* Acid-Promoted Olefin Oxidation by Nonheme Iron(IV)-Oxo Complex via Proton-Coupled Electron Transfer (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) PARK, Jiyun; LEE, Yong-min; NAM, Wonwoo; FUKUZUMI, Shunichi

Chair: NAKAMURA, Nobufumi (11 : 20~12 : 00)

* 11:10-11:20: interval for laptop PC connection.(1F3-15, 1F3-16, 1F3-17, 1F3-18)

1F3-15 Structure and Reactivities of Myoglobin Reconstituted with Iron-Corrore (Grad. Sch. Eng., Osaka Univ.) MEICHIN, Hiroyuki; HAYASHI, Akihiro; OOHORA, Koji; MATSUO, Takashi; HAYASHI, Takashi

1F3-16 Reconstruction of Mononuclear Iron or Copper Center supported by 4-His motif with the Protein from Hyperthermophilic bacteria. (Grad. Sch. Eng., Osaka Univ.) NAKANO, Takumi; TANIGUCHI, Yuki; FUJIEDA, Nobutaka; ITOH, Shinobu

1F3-17 Oxidative Self-modification of Protein Containing a 4-His Metal-Binding Motif (Grad. Sch. Eng., Osaka Univ.) TANIGUCHI, Yuki; ISHIHAMA, Ken-ichi; FUJIEDA, Nobutaka; NISHIKAWA, Yousuke; KURISU, Genji; ITOH, Shinobu

1F3-18 Oxidative Reactivity of Mononuclear Iron Protein Containing 4-His Metal Binding Motif (Grad. Sch. Eng., Osaka Univ.) ISHIHAMA, Ken-ichi; TANIGUCHI, Yuki; FUJIEDA, Nobutaka; ITOH, Shinobu

Thursday, March 27, PM

Chair: OZAWA, Tomohiro (13 : 10~14 : 00)

* 13:00-13:10: interval for laptop PC connection.(1F3-26, 1F3-27, 1F3-28, 1F3-29)

1F3-26 Preparation and Reactivity of Visible-light Responsive B12-TiO₂ Catalyst by Using Surface Complexation (Grad. Sch. Eng., Kyushu Univ.) YONEMURA, Shunsuke; SHIMAKOSHI, Hisashi; ONO, Toshikazu; ABE, Masaaki; HISAEDA, Yoshio

1F3-27 DNA binding and hydrolysis by dinuclear metal complexes with a tacn-based dinucleating ligand (Fac. Sci. Eng., Doshisha Univ.) ASO, Kenta; YAMADA, Hitoshi; NOMURA, Akiko; HITOMI, Yutaka; KODERA, Masahito

1F3-28 Electrochemical Molecular Transformation of Organic Halides Using Vitamin B12 Derivative (Fac. Eng., Kyushu Univ.) INABA, Takuya; SHIMAKOSHI, Hisashi; ONO, Toshikazu; ABE, Masaaki; HISAEDA, Yoshio

1F3-29* Electrocatalytic Hydrogen Production Catalyzed by Dicobalt Complex with Imine/Oxime Ligand (Grad. Sch. Eng., Kyushu Univ.) SHIMAKOSHI, Hisashi; TAKAHASHI, Masahiro; HISAEDA, Yoshio

Chair: HIKICHI, Shiro (14 : 10~15 : 10)

* 14:00-14:10: interval for laptop PC connection.(1F3-32, 1F3-34, 1F3-35, 1F3-36)

1F3-32* Mechanistic Studies for the Stereoselective Formation of the Di- μ -oxo Dimetal Core from a Chiral Manganese Salen Complex (Institute for Molecular Science) KURAHASHI, Takuya; HADA, Masahiko; FUJII, Hiroshi

1F3-34 Synthesis of multinuclear manganese complexes with a cage type ligand having bis(imino)pyrrole groups. (Grad. Sch. Sci., Osaka Univ.; JST PRESTO) TANGE, Kosuke; HATANAKA, Tsubasa; FUNAHASHI, Yasuhiro

1F3-35 Construction of Structural Model Compounds Using a Azacryptand for Mimicking the Active Tricopper Site of Multicopper Oxidases (Nagoya Inst. of Tech. Graduate school of engineering; Grad. Sch. Sci., Osaka Univ.; JST-PRESTO) IWASAKI, Yuya; INOMATA, Tomohiko; OZAWA, Tomohiro; FUNAHASHI, Yasuhiro; MASUDA, Hideki

1F3-36** Spectroscopic Characterization and Reactivity Study of Mononuclear Copper-Oxygen Species (Grad. Sch. Eng., Osaka Univ.) PARIA, Sayantan; MORIMOTO, Yuma; SUGIMOTO, Hideki; ITOH, Shinobu

Chair: HAYASHI, Takashi (15 : 20~16 : 20)

* 15:10-15:20: interval for laptop PC connection.(1F3-39, 1F3-41, 1F3-42, 1F3-44)

1F3-39* Construction of Multinuclear Copper Complexes Mimicking the Oxygen Reduction Site in MCO (Grad. Sch. Sci., Osaka Univ.; JST PRESTO; Nagoya Inst. of Tech.) NAGATA, Kojiro; HATANAKA, Tsubasa; IWASAKI, Yuya; FUKUI, Kensuke; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki; FUNAHASHI, Yasuhiro

1F3-41 Dinuclear Nickel Complexes Supported by a Diamido-dithiolate "mbea" Ligand Modeling the Putative Intermediates in the Enzymatic Cycle of Acetyl CoA Synthase (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.; WPI-ITbM, Nagoya Univ.) OSU, Rie; OZAWA, Yuka; TADA, Mizuki; OHKI, Yasuhiro; TATSUMI, Kazuyuki; MATSUMOTO, Tsuyoshi

1F3-42* Inter-Conversion between [Fe₂S₂] and Highly Oxidized [Fe₄S₄] Clusters (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) TANIFUJII, Kazuki; TAJIMA, Shunichi; OHKI, Yasuhiro; TATSUMI, Kazuyuki

1F3-44 Synthesis and Properties of NH=O=Mo Hydrogen-Bonded Monooxomolybdenum(IV) Complex Soluble in Nonpolar Solvents (Grad. Sch. Sci., Osaka Univ.) YAMADA, Takayoshi; HASENAKA, Yuki; OKAMURA, Taka-aki; ONITSUKA, Kiyotaka

Chair: UENO, Takafumi (16 : 30~17 : 30)

* 16:20-16:30: interval for laptop PC connection.(1F3-46, 1F3-48, 1F3-49, 1F3-51)

1F3-46* Mechanistic insight into dihydrogen activation by a [NiRu] complex (IMCE, Kyushu Univ.) DOITOMI, Kazuki; KAMACHI, Takashi; TANAKA, Hiromasa; MATSUMOTO, Takahiro; NAKAI, Hidetaka; OGO, Seiji; YOSHIZAWA, Kazunari

1F3-48 Synthesis and Reactions of Thiolate-Bridged Cationic (CO)₂Fe-Ni Complexes Modeling the Active Site of [NiFe] Hydrogenase (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) MAKINO, Tetsuya; NAGAHARA, Atsumu; OHKI, Yasuhiro; TATSUMI, Kazuyuki

1F3-49* Demonstration of a Methyltransferase-like Reaction Using a Corrinoid Cobalt Complex in the Heme Pocket of Myoglobin (Grad. Sch. Eng., Osaka Univ.) MORITA, Yoshitsugu; OOHORA, Koji; HAYASHI, Takashi

1F3-51 Reactions of Ni Complexes with iron-sulfur Clusters Having Tridentate Thiolate: a Model Study of CO Dehydrogenase Active Site (Grad. Sch. Sci., Nagoya Univ.) TANAKA, Kaho; TERADA, Tamaki; MATSUMOTO, Tsuyoshi; TATSUMI, Kazuyuki

Chair: FUNAHASHI, Yasuhiro (17 : 40~18 : 30)

* 17:30-17:40: interval for laptop PC connection.(1F3-53, 1F3-54, 1F3-55, 1F3-56, 1F3-57)

1F3-53 [8Fe-7S] Models of Nitrogenase P-Cluster Having Terminal and Bridging Tbt-Thiolate ligands (Grad. Sch. Sci., Nagoya Univ.) NAGASAKI, Ayaka; OHKI, Yasuhiro; TOKITOH, Norihiro; SASAMORI, Takahiro; AGOU, Tomohiro; TATSUMI, Kazuyuki

1F3-54 Synthesis of Platinum and Palladium Complexes Coordinated by Quinolinol and Schiff Base Ligand Bearing Amino Acid Moiety (Grad. Sch. Eng., Osaka Pref. Univ.) SAKAI, Yuta; NOMOTO, Akihiro; KINOSHITA, Yuumu; YANO, Shigenobu; OGAWA, Akiyo

1F3-55 Photolytic reaction of alkylcobalt(III)porphyrins included by per-O-methylated cyclodextrins (Fac. Sci. Eng., Doshisha Univ.) IMABEPPU, Kohei; KITAGISHI, Hiroaki; KANO, Koji

1F3-56 Stabilization of hydroperoxo iron(III) porphyrin in aqueous solution (Fac. Sci. Eng., Doshisha Univ.) UEDA, Takunori; KITAGISHI, Hiroaki; KANO, Koji

1F3-57 Construction of a Hemoprotein-embedded Electrode with Polythiophene Interface Using Heme-Heme Pocket Interaction and Analysis on the Electrochemical Response to Hydrogen Peroxide (Grad. Sch. Eng., Osaka Univ.) UMEMA, Yasunari; ONODA, Akira; HAYASHI, Takashi

Friday, March 28, AM

Chair: NOZAKI, Koichi (9 : 00 ~ 9 : 50)

* 8:50-9:00: interval for laptop PC connection.(2F3-01, 2F3-02, 2F3-03, 2F3-04, 2F3-05)

2F3-01 Synthesis and photophysical properties of Eu(III) coordination polymers cross-linked with square-planar Pd(II) complex (Sch. Eng., Hokkaido Univ.) YAMAMOTO, Masanori; NAKANISHI, Takayuki; SEKI, Tomohiro; ITO, Hajime; FUSHIMI, Koji; HASEGAWA, Yasuchika

2F3-02 The fluorescence of the tetrakis (chiral β -diketonato) europium(III) complexes recognizing alkali metal ions (Hakodate National College of Technology Department of Common Subjects; Osaka Univ. Office for University-Industry Collaboration) SHIROTANI, Dai; KAIKAKI, Sumio

2F3-03 Synthesis of chiral lanthanide complexes containing a chiral bis (oxazoline) ligand and temperature dependence of its circularly polarized luminescence (Grad. Sch. Mat. Sci., NAIST) UEMURA, Kazuma; KAWAI, Tsuyoshi; YUASA, Junpei

2F3-04 Syntheses and Luminescence Properties of Lanthanide Complexes

with Pybox ligands connected to 15-crown-5-ether moiety (Fac. Sci., Nara Women's Univ.) TOMOTSUKA, Ikumi; HARAI, Maki; KATAOKA, Yumiko; KAJIWARA, Takashi

2F3-05 Magnetic and optical properties of lanthanide ion assemblies using linear multidentate ligands (Grad. Sch. Sci., Kyushu Univ.) TOGO, Tatsuo; TSUJI, Yasuhiro; MISHIMA, Akio; KOSHIYAMA, Tomomi; OHBA, Masaaki

Chair: KURE, Bunshou (10 : 00~10 : 50)

* 9:50-10:00: interval for laptop PC connection.(2F3-07, 2F3-08, 2F3-09, 2F3-10, 2F3-11)

2F3-07 Controlled radical copolymerization in porous metal complexes with unsaturated metal sites (Grad. Sch. Eng., Kyoto Univ.) MOCHIZUKI, Shuto; UEMURA, Takashi; KITAGAWA, Susumu

2F3-08 Synthesis and Photophysical Properties of Nonanuclear Tb(III) Cluster with long-chain alkyl groups (Sch. Eng., Hokkaido Univ.) OMAGARI, Shun; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasuchika

2F3-09 Photophysical properties of nonanuclear Tb(III) cluster with chiral ligands (Sch. Eng., Hokkaido Univ.) WADA, Satoshi; NAKANISHI, Takayuki; SEKI, Tomohiro; ITO, Hajime; KONISHI, Katsuaki; FUSHIMI, Koji; HASEGAWA, Yasuchika

2F3-10 Syntheses and Luminescence Properties of Ln(III) Complexes with Pybox Derivatives (Fac. Sci., Nara Women's Univ.) HARAI, Maki; TOMOTSUKA, Ikumi; KATAOKA, Yumiko; KAJIWARA, Takashi

2F3-11 Withdrawn

Chair: KAJIWARA, Takashi (11 : 00~11 : 30)

* 10:50-11:00: interval for laptop PC connection.(2F3-13, 2F3-15)

2F3-13* Observation of surface fine structure of porphyrin double-decker single molecular magnet (Grad. Sch. Sci., Osaka Univ.) INOSE, Tomoko; TANAKA, Daisuke; TANAKA, Hirofumi; ISHIKAWA, Naoto; NAGATA, Toshi; IVASENKO, Oleksandr; DE FEYTER, Steven; TAHARA, Kazukuni; TOBE, Yoshito; OGAWA, Takuji

2F3-15 Synthesis and physical properties of a porphyrin double-decker complex for single-molecule conductance measurements (Grad. Sch. Sci., Osaka Univ.) SUMITANI, Nobuto; TIMMERMAN, Vanessa; TANAKA, Daisuke; INOSE, Tomoko; TANAKA, Hirofumi; ISHIKAWA, Naoto; OGAWA, Takuji

Friday, March 28, PM

Chair: MASHIMA, Kazushi (14 : 20~15 : 20)

* 14:10-14:20: interval for laptop PC connection.(2F3-33, 2F3-34, 2F3-35, 2F3-36, 2F3-38)

2F3-33 Control of integrated structures and properties of redox-active bisbenzenedithiolate complexes bearing long-alkyl containing counter cations (Fac. Sci. Eng., Chuo Univ.) MURATA, Junnosuke; WAKIZAKA, Masanori; CHANG, Ho-chol

2F3-34 Synthesis and Structures of Linear Hexanuclear Ag(I) and Ag(I)Pt(II) Complexes with Hexaphosphine Ligands (Fac. Sci., Nara Women's Univ.) CHIKANISHI, Mio; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki

2F3-35 Synthesis and Photochemical Properties of Linear Heterotetranuclear Pt₂Ag₂ Complexes Supported by Tetrakisphosphine Dpmpm (Fac. Sci., Nara Women's Univ.) OTAKI, Risa; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki

2F3-36* Synthesis and absorption/photoluminescence properties of terminal modified Au₈ clusters (Grad. Sch. Env. Sci., Hokkaido Univ.) KAMEI, Yutaro; SHICHIBU, Yukatsu; KONISHI, Katsuaki

2F3-38 Effect of Vapor Exposure on the Solid-State Emission of Subnanometer-Sized Au₈ Clusters. (Grad. Sch. Env. Sci., Hokkaido Univ.) SUGIUCHI, Mizuho; KOBAYASHI, Naoki; KAMEI, Yutaro; SHICHIBU, Yukatsu; KONISHI, Katsuaki

Chair: TANAKA, Daisuke (15 : 30~16 : 30)

* 15:20-15:30: interval for laptop PC connection.(2F3-40, 2F3-42, 2F3-43, 2F3-44, 2F3-45)

2F3-40* Dual-Emission-Type Luminescence of Hetero- and Poly-nuclear Complex Based on Lanthanide-Thiacalix[4]arene-p-tetrasulfonate Complex (Grad. Sch. Environmental Studies, Tohoku Univ.) KARASHIMADA, Ryunosuke; HOSHINO, Hitoshi; IKI, Nobuhiko

2F3-42 Determination of Magnetic Exchange Interactions in Lanthanoid Complexes with 2,2'-bipyridin-6-yl *tert*-butyl nitroxide (The Univ. of Electro-Communications Department of Engineering Science) KANETOMO, Takuya; YOSHII, Shunsuke; NOJIRI, Hiroyuki; ISHIDA, Takayuki

2F3-43 Excited states dynamics of lanthanide complexes studied by pulse laser (Fac. Eng., Kanagawa Univ.) HASHIMOTO, Sena; IWAKURA, Izumi; ORISAKU, Keiko; KOIDE, Yoshihiro

2F3-44 SMM behavior of Cerium(III) crown-ether complex (Fac. Sci., Nara Women's Univ.) WADA, Hisami; OOKA, Sayaka; TAKEHARA, Chika; THEN, Poh ling; KATAOKA, Yumiko; KAJIWARA, Takashi; YAMAMURA, Tomoo

2F3-45 Synthesis and SMM behavior of Ln(III) crown-ether complexes (Fac.

Sci., Nara Women's Univ.; IMR, Tohoku Univ.) OOKA, Sayaka; WADA, Hisami; TAKEHARA, Chika; THEN, Poh Ling; KATAOKA, Yumiko; KAJIWARA, Takashi; YAMAMURA, Tomoo

Chair: NAKAJIMA, Takayuki (16 : 40~17 : 20)

* 16:30-16:40: interval for laptop PC connection.(2F3-47, 2F3-48, 2F3-49, 2F3-50)

2F3-47* Synthesis and Reactivity of Trivalent Cerium Complexes with Salen-based Ligands (Grad. Sch. Eng. Sci., Osaka Univ.) PAUL, Mitali; TERAMOTO, Masahiro; TSURUGI, Hayato; MASHIMA, Kazushi

2F3-48 Synthesis of Clusters of Cerium and First-row Transition Metals Supported by Salen-type Ligand (Sch. Eng. Sci., Osaka Univ.) TERAMOTO, Masahiro; PAUL, Mitali; TSURUGI, Hayato; MASHIMA, Kazushi

2F3-49 Increased Nuclearity of Carboxylate-bridged Dinuclear Cerium Clusters by Oxidation Reaction (Grad. Sch. Eng. Sci., Osaka Univ.) AZUMA, Yuki; MATHEY, Laurent; TSURUGI, Hayato; MASHIMA, Kazushi

2F3-50* Synthesis and Structure of Discrete Ceria Nano-particles Surrounded by Carboxylate Ligands (Grad. Sch. Eng. Sci., Osaka Univ.) MATHEY, Laurent; AZUMA, Yuki; TSURUGI, Hayato; MASHIMA, Kazushi

Saturday, March 29, AM

Chair: MIYASAKA, Hitoshi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3F3-01, 3F3-02, 3F3-03, 3F3-04, 3F3-05, 3F3-06)

3F3-01 Synthesis and Chemical Properties of Polynuclear Metal Complexes with Polydentate Organic Ligands (Fac. Eng., Kyushu Univ.) SHIMIZU, Haruka; ABE, Masaaki; ONO, Toshikazu; SHIMAKOSHI, Hisashi; HISAEDA, Yoshio

3F3-02* Structures and NMR-spectral Properties of Lantern-Type Diruthenium Complexes with Benzoato Bridges (Fac. Sci. Eng., Shimane Univ.; Sch. Sci. Tech., Kwansai Gakuin Univ.; Fac. Sci., Toho Univ.) HIRAOKA, Yuya; IKEUE, Takahisa; HIROMITSU, Ichiro; YOSHIOKA, Daisuke; MIKURIYA, Masahiro; NAKAMURA, Mikio; HANDA, Makoto

3F3-03 Formation of Bis(2-pyridylcarbonyl)amino Ligand on Ruthenium Complex (Fac. Sci., Sophia Univ.) SHIMURA, Naoto; NAGAO, Hirotaka

3F3-04 Synthesis of Bis(2-pyridylcarbonyl)aminoruthenium(II) Complex Containing Azido Ligand (Fac. Sci., Sophia Univ.) SUMOGE, Yuka; NAGAO, Hirotaka

3F3-05 Synthesis and characterizations of new metalloporphyrines with polymerizable functionalities (Grad. Sch. Eng., Kyushu Univ.) FUTAGAWA, Hiroki; ABE, Masaaki

3F3-06 Study on the excited state of an arylborane-ruthenium (II) complex by time-resolved infrared spectroscopy (Grad. Sch. Sci., Eng., Tokyo Tech; Grad. Sch. Sci., Hokkaido Univ.) TANAKA, Sei-ichi; SAKUDA, Eri; MATSUMOTO, Chiaki; NAKAGAWA, Atsushi; ITO, Akitaka; KITAMURA, Noboru; KOSHIIHARA, Shin-ya; ONDA, Ken

Chair: NAGAO, Hirotaka (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3F3-08, 3F3-09, 3F3-11, 3F3-12)

3F3-08 Spectroscopic and Photophysical Properties of [Ru(bpy)₃]²⁺ in An Ion Exchange Resin (Grad. Sch. Sci., Osaka City Univ.) KISHIDA, Noriaki; TEKI, Yoshio; ITO, Akitaka

3F3-09* Long-Range Photoinduced Electron Transfer Dynamics in Polymerized PEG-DMA Films (Univ. North Carolina at Chapel Hill Dept. Chem.; Grad. Sch. Sci., Osaka City Univ.) ITO, Akitaka; FANG, Zhen; BRENNAMAN, M. Kyle; MEYER, Thomas J.

3F3-11 Crystal-downsizing effect on a photochemical properties of photosensitizing porous frameworks (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; JST-PRESTO) SAITOH, Erika; KOBAYASHI, Atsushi; KATO, Masako

3F3-12* Ac electric responses of a porous paddlewheel-type Ru dimer chain compound (IMR, Tohoku Univ.; Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) KOSAKA, Wataru; YAMAGISHI, Kayo; MIYASAKA, Hitoshi

Chair: ABE, Masaaki (11 : 20~12 : 00)

* 11:10-11:20: interval for laptop PC connection.(3F3-15, 3F3-16, 3F3-18)

3F3-15* Influence of charge of a metal center and characteristics of an ancillary ligand on redox properties of a pterin ligand (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Pohang University of Science and Technology Advanced Materials Science Division) MITOME, Hirumi; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KAWANO, Masaki; KOJIMA, Takahiko

3F3-16* Molecular Junction Diode based on Ru Dinuclear Complex Hetero Multilayer Film with Potential Gradient (Fac. Sci. Eng., Chuo Univ.) OZAWA, Hiroaki; NAGASHIMA, Takumi; SUZUKI, Takashi; ISHIDA, Takao; HAGA, Masa-aki

3F3-18 Synthesis and Electrochemical characteristic of Ruthenium Complex having Multipled anchors toward the Graphene Modification (Fac. Sci. Eng., Chuo Univ.) KOHMOTO, Mayuko; OZAWA, Hiroaki; HAGA, Masa-aki

Saturday, March 29, PM

Chair: HAGA, Masaaki (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3F3-26, 3F3-28, 3F3-29, 3F3-30, 3F3-31)
- 3F3-26*** Reaction of NAD model compounds with a Ru hydrido complex : kinetic analyses (Grad. Sch. Sci., Eng., Tokyo Tech) KOGA, Kichitaro; MORIMOTO, Tatsuki; KOIKE, Kazuhide; ISHITANI, Osamu
- 3F3-28** Reactivity of amine ligands embedded on a ruthenium-dioxolene complex (iCeMS, Kyoto Univ.) KIKUCHI, Takashi; KOBAYASHI, Katsuaki; TANAKA, Koji
- 3F3-29** Proton Induced Equilibrium between Ru - C and Ru = C Species (iCeMS, Kyoto Univ.) FUKUSHIMA, Takashi; KOBAYASHI, Katsuaki; TANAKA, Koji
- 3F3-30** Inclusion behavior and photodimerization reaction of anthracene derivative with macrocyclic multinuclear ruthenium complexes as a host. (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) MORIYAMA, Ryouta; SATO, Kiyoshi; YAMAGUCHI, Motowo
- 3F3-31** A series of ruthenium complexes with a free catechol moiety : Differences of reactivities based on structure of the active site (Fukushima Univ. cluster of science and technology) SOGA, Yuka; KIDO, Masato; TAKASE, Tsugiko; OYAMA, Dai

Chair: ISHITANI, Osamu (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(3F3-33, 3F3-34, 3F3-35, 3F3-36, 3F3-37, 3F3-38)
- 3F3-33** Substitution Reactions of Halogeno Ligands on Oxo-Bridged Halogeno Ethylbis(2-pyridylmethyl)amine Dinuclear Ruthenium Complexes (Fac. Sci., Sophia Univ.) SUZUKI, Tomoyo; NAGAO, Hirota
- 3F3-34** Chirality Induced by Circularly Polarized Light in the Photoisomerization of Trans-Ru(dbb)2(CN)2 (Grad. Sch. Nanobioscience, Yokohama City Univ.) ITO, Shino; TAKAYASU, Satoshi; SHINOZAKI, Kazuteru
- 3F3-35** Kinetic studies on water oxidation catalyzed by mononuclear ruthenium complexes (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) TSUBONOUCHI, Yuta; NAKAZONO, Takashi; SAKAI, Ken
- 3F3-36** Photoinduced Electron Transfer and Photocatalytic Reactivity of a Photosensitizer-Catalyst Dyad Bearing a Saddle-Distorted Porphyrin Dication as a Photosensitizer (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Grad. Sch. Eng., Osaka Univ.) MATSUZAKI, Kouhei; ISHIZUKA, Tomoya; OHKUBO, Kei; KOTANI, Hiroaki; FUKUZUMI, Shunichi; KOJIMA, Takahiko
- 3F3-37*** Oxidation Reactions of Organic Substrates with a Ru(III)-Hydroxo Complex as a Functional Model of Lipoygenase (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OHZU, Shingo; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko
- 3F3-38*** Photocatalytic hydrogen evolution by a ruthenium(II)-palladium(II) hetero-dinuclear complex (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SAWAKI, Takuya; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko

Chair: KOJIMA, Takahiko (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(3F3-40, 3F3-41, 3F3-43, 3F3-45)
- 3F3-40** Photoinduced Hydrogen-Evolving Activity of RuPt-based binuclear complexes tethered to methylviologen moieties (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) MIYAJI, Masayuki; KITAMOTO, Kyoji; SAKAI, Ken
- 3F3-41*** Photochemical CO₂ Reduction Using Ruthenium-Bipyridine Complexes as Catalyst and Photo-sensitizer (Sch. Sci., Kitasato Univ.; JST-PRESTO) KURAMOCHI, Yusuke; KAMIYA, Masaya; YOSHIDA, Makoto; MATSUURA, Kousuke; FUKAYA, Kyohei; ENOMOTO, Akito; ISHIDA, Hitoshi
- 3F3-43*** Syntheses of Novel Ruthenium-Peptide Complexes and Their Photocatalytic CO₂ Reduction (Grad. Sch. Sci., Kitasato Univ.; JST-PRESTO) ISHIDA, Hitoshi; KAMIYA, Masaya; MATSUURA, Kousuke; YOSHIDA, Makoto; KURAMOCHI, Yusuke
- 3F3-45** Photochemical CO₂ Reduction using a Metal Complex Photocatalyst Adsorbed on Mesoporous Silica Materials (Grad. Sch. Sci., Eng., Tokyo Tech) UEDA, Yutarou; TAKEDA, Hiroyuki; YUI, Tatsuto; KOIKE, Kazuhide; ISHITANI, Osamu

Chair: SAKAI, Ken (16 : 40~17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(3F3-47, 3F3-49, 3F3-50, 3F3-51)
- 3F3-47*** Photocatalytic CO₂ reduction using a Ru-Re supramolecular complex linked by a cyclic bridging ligand (Grad. Sch. Sci., Eng., Tokyo Tech) OHKUBO, Kei; TAMAKI, Yusuke; NAKASHIMA, Takuya; MORIMOTO, Tatsuki; KOIKE, Kazuhide; ISHITANI, Osamu
- 3F3-49** Synthesis of formamides by the photo- and electrochemical reduction of CO₂ using a Ru molecular catalyst (iCeMS, Kyoto Univ.) KOBAYASHI, Katsuaki; TANAKA, Koji
- 3F3-50** Photocatalytic CO₂ Reduction Using Manganese(I) Bipyridine Carbonyl Complexes with Phosphorous Ligands (Grad. Sch. Sci., Eng.,

Tokyo Tech) OKAMOTO, Kouhei; TAKEDA, Hiroyuki; KOIZUMI, Hiroki; ISHITANI, Osamu

- 3F3-51*** Change in Mechanism of Hydride Transfer from NADH Analogs to Nonheme Metal(IV)-Oxo Complexes Depending on Metal Species (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) YOON, Heejung; LEE, Yong-min; NAM, Wonwoo; FUKUZUMI, Shunichi

Chair: SHIMAZAKI, Yuichi (17 : 50~18 : 30)

- * 17:40-17:50: interval for laptop PC connection.(3F3-54, 3F3-56, 3F3-57)
- 3F3-54*** Enhanced Photocatalytic Reactivity of Manganese(III) Corrolazine for Oxygenation of Toluene Derivatives with Dioxygen in the Presence of an Acid (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) JUNG, Jieun; OHKUBO, Kei; FUKUZUMI, Shunichi
- 3F3-56** Structures and Functions of Porous Coordination Polymers based on a Nitridotetracyanomanganate(V) building unit. (Fac. Sci., Kyushu Univ.) MIURA, Hiroki; MISHIMA, Akio; OHBA, Hisayoshi; OHTANI, Ryo; KOSHIYAMA, Tomomi; KITAGAWA, Susumu; OHBA, Masaaki
- 3F3-57** Synthesis and properties of a(Mn^{III})₃Mn^{II} cluster having a double incomplete cubane-type structure bridged by a Mn²⁺ ion. (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) INOUE, Marina; SUZUKI, Takayoshi; SUNATSUKI, Yukinari; FUYUHIRO, Akira

Sunday, March 30, AM

Chair: NIHEI, Masayuki (9 : 00~9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(4F3-01, 4F3-02, 4F3-03, 4F3-04, 4F3-05)
- 4F3-01*** Enhancement of proton transfer in coordination polymer by reducing the structural periodicity (Grad. Sch. Eng., Kyoto Univ.) CHEN, Wenqian; HORIKE, Satoshi; INUKAI, Munehiro; KITAGAWA, Susumu
- 4F3-02** Controlled cyclopolymerization of 1,6-diene monomers in porous coordination polymers (Grad. Sch. Eng., Kyoto Univ.) NAKANISHI, Ryo; UEMURA, Takashi; KITAGAWA, Susumu
- 4F3-03** Crystal Structures and Conductive Properties of Mixed-Valence Coordination Polymers with Hexamethylene-Dithiocarbamate (Kinki Univ.; JST-PRESTO) NAKAHASHI, Yuuki; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA-SOWA, Takayoshi
- 4F3-04** A One-Compartment H₂O₂ Fuel Cell Using Pyrazine-Bridged Fe[Pt(CN)₄] as a Cathode Material (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) YONEDA, Masaki; YAMADA, Yusuke; FUKUZUMI, Shunichi
- 4F3-05** Catalytic Activity of Fuel Cell Cathode Catalyst Prepared by Pyrolysis of Iron-Salen Complexes (Grad. Sch. Eng., Osaka Univ.) TANAKA, Yuta; ONODA, Akira; HAYASHI, Takashi

Chair: CHANG, Hochol (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(4F3-07, 4F3-09, 4F3-10, 4F3-11)
- 4F3-07*** Construction of Hydrogen-bonded Networks with External Stimuli-responsive FeCo Tetranuclear Complexes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SEKINE, Yoshihiro; NIHEI, Masayuki; OSHIO, Hiroki
- 4F3-09** Synthesis of an intermediate-spin iron(III) complex bearing an anionic macrocyclic ligand and its reactions with oxidants (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OGISHIMA, Fumiya; KOTANI, Hiroaki; ISHIZUKA, Tomoya; KOJIMA, Takahiko
- 4F3-10** Efficient C-H activation of various alkanes with high spin trioxodiiron (IV) active species with 6-hpa ligand (Fac. Sci. Eng., Doshisha Univ.) ISHIGA, Shin; HITOMI, Yutaka; KODERA, Masahito
- 4F3-11** Control of dynamic properties of Fe₂-nanocage by ligand exchange reactions (Fac. Eng., Kyushu Univ.) SUGANAGA, Daiki; SATO, Osamu; KANEGAWA, Shinji; KANG, Soonchul

Chair: KATO, Masako (11 : 00~12 : 00)

- * 10:50-11:00: interval for laptop PC connection.(4F3-13)
- 4F3-13** CSJ Award for Creative Works Study on Lanthanide Nanomaterials with Characteristic Photo-functional Properties (Grad. Fac. Eng., Hokkaido Univ.) HASEGAWA, Yasuchika

Sunday, March 30, PM

Chair: FUJII, Hiroshi (13 : 10~14 : 00)

- * 13:00-13:10: interval for laptop PC connection.(4F3-26, 4F3-28, 4F3-30)
- 4F3-26*** Formation of Unsymmetrical Hetero- and Homobimetallic Complexes via Activation of Dioxygen: Structural, Magnetic, and Redox Properties. (University of California-Irvine Department of Chemistry) SANJO, Yohei; BOROVNIK, S. andrew
- 4F3-28*** Alcohol oxidation system composed of N3S3-type Fe(III) and P4-type Ni(II) complexes (Grad. Sch. Eng., Nagoya Inst. of Tech.) NAKANE, Daisuke; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki
- 4F3-30** Synthesis and Reactivity of Iron Complexes of N,C,S-Tridentate Ligands with an Amino Group (Grad. Sch. Sci., Osaka City Univ.) NAKAE, Toyotaka; HIROTSU, Masakazu; KINOSHITA, Isamu

Chair: OHBA, Masaaki (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(4F3-32, 4F3-34, 4F3-36)
- 4F3-32*** Reactions of Thiolate-Bridged Diiron Complexes Containing S,C,N,S-

Tetradentate Schiff Base Ligands with Lewis Bases (Grad. Sch. Sci., Osaka City Univ.) SANTO, Kiyokazu; HIROTSU, Masakazu; KINOSHITA, Isamu
4F3-34* Novel Spectrochemical Series Involving a Spin Multiplet Energy (Fac. Eng., Kagawa Univ.; Sch. Sci. Tech., Kwasei Gakuin Univ.; Okayama Univ. of Sci. Fac. Sci.; Grad. Sch. Sci., Tohoku Univ.) ISHII, Tomohiko; MATSUSHIMA, Ryo; WATANABE, Ryosuke; IWAKURA, Masanori; OGASAWARA, Kazuyoshi; SAKANE, Genta; YAMASHITA, Masahiro
4F3-36* Development and estimation of novel spin crossover coordination polymer nanoink (Grad. Sch. Sci., Osaka Univ.) TANAKA, Daisuke; AKETA, Naoki; TANAKA, Hirofumi; OGAWA, Takuji

Chair: KINOSHITA, Isamu (15 : 20~16 : 10)

* 15:10-15:20: interval for laptop PC connection.(4F3-39, 4F3-40, 4F3-42)
4F3-39 Synthesis and magnetic property of metal organic framework encapsulating ferrocenium ion (Grad. Sch. Sci., Tohoku Univ.) SHINICHI, Tomoguchi; SHINYA, Takashi; HIROAKI, Iguchi; KEIICHI, Kato; BREEDLOVE, Brian; YAMASHITA, Masahiro
4F3-40* Magnetic and structural changes accompanying NO adsorption in a magnetically-bistable Fe(II)Pt(II) porous coordination polymer (Grad. Sch. Sci., Kyushu Univ.) MISHIMA, Akio; OHTANI, Ryo; OHBA, Hisayoshi; EGUCHI, Daisuke; HORI, Akihiro; KITAGAWA, Susumu; KOSHIYAMA, Tomomi; OHBA, Masaaki
4F3-42* Crystal structures and electronic states of two-legged MX-ladder complexes with [2]rotaxane (Grad. Sch. Sci., Kyoto Univ.) OTSUBO, Kazuya; SUGIMOTO, Kunihsa; FUJIWARA, Akihiko; KITAGAWA, Hiroshi

Chair: TADA, Mizuki (16 : 20~17 : 00)

* 16:10-16:20: interval for laptop PC connection.(4F3-45, 4F3-46, 4F3-47)
4F3-45 Synthesis of Silica Nanoparticles Functionalized with [2]rotaxanes Composed of Dibenzo[24]crown-8-ether and Ferrocene-containing Dialkylammonium (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MAEKAWA, Yujin; SUZAKI, Yuji; OSAKADA, Kohtaro
4F3-46[#] Effect of Counteranions on the Structure and the Solid-state Phase Transition of [2]pseudorotaxanes Composed of Dibenzo[24]crown-8-ether and Ferrocene-containing Dialkylammonium (Chem. Res. Lab., Tokyo Tech) FUKUCHI, Yugo; SUZAKI, Yuji; OSAKADA, Kohtaro
4F3-47* Construction of Metal complex-liposome composites using antibiotic ion channel (Fac. Sci., Kyushu Univ.) KOSHIYAMA, Tomomi; HONJO, Masayuki; MISHIMA, Akio; OHBA, Masaaki

Room F4
 Liberal Arts & Sciences Main Building
 C14

Coordination Chemistry, Organometallic Chemistry

Saturday, March 29, AM

Ni,Pd,Pt

Chair: OKAMOTO, Kazuhiro (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3F4-01, 3F4-02, 3F4-03, 3F4-04, 3F4-05, 3F4-06)
3F4-01 Reactivity of Five-membered 1,2-Oxanickelacycle toward unsaturated compounds (Grad. Sch. Sci., Eng., Saitama Univ.) KOBAYASHI, Hiroki; NAKATA, Norio; ISHII, Akihiko
3F4-02[#] Ni-Catalyzed Carboxylation of Organoboron Reagents (University of St. Andrews School of Chemistry) MAKIDA, Yusuke; MARELLI, Enrico m.; NOLAN, Steven p.
3F4-03[#] Development of Ni-SPRIX Catalysts toward Enantioselective Michael-Type Reaction of Indoles with Nitroolefins (ISIR, Osaka Univ.) DAS, Priyabrata; TAKENAKA, Kazuhiro; SASAI, Hiroaki
3F4-04 A Monovalent Nickel Carbene Complex for the Suzuki Coupling of Aryl Halides (Fac. Sci., Fukuoka Univ.) TAZAKI, Saeko; KOGA, Yuji; MASTUBARA, Kouki
3F4-05 Insertion of Alkene into Unactivated Transition-Metal Hydride Catalyzed by Mono(phosphine)palladium(0) Complex (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) SUDA, Hiromi; KOMINE, Nobuyuki; ITO, Ryo; NODA, Takahiro; HIRANO, Masahumi; KOMIYA, Sanshiro
3F4-06 Mono(phosphine)palladium(0)-Catalyzed Markovnikov-Selective Hydroxylation of Electron-Deficient Alkenes (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ABE, Makoto; KOMINE, Nobuyuki; HIRANO, Masafumi

Chair: NAKAJIMA, Takayuki (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3F4-08, 3F4-09, 3F4-10, 3F4-11, 3F4-12)
3F4-08 Structural and Optical Properties of Platinum(II) Complexes with

Alkyne-Containing Chelating Ligands (Grad. Sch. Eng., Kyoto Univ.) OKAMOTO, Kazuhiro; FUNASAKA, Satoshi; OHE, Kouichi
3F4-09 Coordinatively Unsaturated Dipalladium and Dipalladium Complexes: Bond Activation and Bond Formation of Unsaturated Organic Compounds (Chem. Res. Lab., Tokyo Tech) NAKAMURA, Yu; TANABE, Makoto; OSAKADA, Kohtaro
3F4-10 Synthesis of Fluorene by Successive C-O and C-H Bond Cleavage Reactions of 2-Phenylbenzyl Ester by Pd(0) (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KAWAZU, Sosuke; KOMINE, Nobuyuki; HIRANO, Masafumi
3F4-11 Mechanistic study for C-H direct arylation reaction without use of phosphine ligand (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KUWABARA, Junpei; SAKAI, Masaru; KANBARA, Takaki
3F4-12* Development of an Aquacatalytic System Based on the Vesicle Formation of an Amphiphilic NNC-Pincer Palladium Complex (Institute for Molecular Science; SOKENDAI) SAKURAI, Fumie; HAMASAKA, Go; UOZUMI, Yasuhiro

Chair: TANABE, Makoto (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3F4-15, 3F4-17, 3F4-19)
3F4-15[#] X-ray snapshot observation of an active center in Pd-mediated carbon-halogen bond formation reaction within porous crystals (Grad. Sch. Eng., The Univ. of Tokyo) IKEMOTO, Koki; INOKUMA, Yasuhide; FUJITA, Makoto
3F4-17* Reactions of Linear Octanuclear Palladium Complexes with Acids (Fac. Sci., Nara Women's Univ.) NAKAMAE, Kanako; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki
3F4-19* C(sp)-H activation of terminal alkynes with a palladium(II) complex controlled in a self-assembled cage (Grad. Sch. Eng., The Univ. of Tokyo) KOHYAMA, Yuh; MURASE, Takashi; FUJITA, Makoto

Sunday, March 30, AM

Ni,Pd,Pt

Chair: KAYAKI, Yoshihito (9 : 30 ~10 : 30)

* 9:20-9:30: interval for laptop PC connection.(4F4-04, 4F4-05, 4F4-06, 4F4-07, 4F4-08, 4F4-09)
4F4-04 Regioselective C-F Bond Activation of Perfluoroalkenes Coordinated on Pd(0) (Grad. Sch. Eng., Osaka Univ.) SAITO, Hiroaki; SHIBATA, Mitsutoshi; OHASHI, Masato; OGOSHI, Sensuke
4F4-05 Desymmetrization of Symmetric Diesters by Suzuki Coupling Reaction and Intramolecular Cyclization (Fac. Life Med. Sci., Doshisha Univ.) INOUE, Yukiko; OE, Yohei; OHTA, Tetsuo
4F4-06 Synthesis of dithienosilole-based copolymers via direct arylation polymerization (ICR, Kyoto Univ.) IIZUKA, Eisuke; WAKIOKA, Masayuki; OZAWA, Fumiyuki
4F4-07 Regioselective double Stille coupling reaction of bicyclic stannolanes (Grad. Sch. Med., Yamaguchi Univ.) TANAKA, Toshiyuki; SO, Masahiro; KAMIMURA, Akio
4F4-08 A Remarkable Ligand Effect of P(2-MeOC6H4)3 on Palladium-Catalyzed Direct Arylation (ICR, Kyoto Univ.) NAKAMURA, Yuki; TAKETANI, Tomoyoshi; WAKIOKA, Masayuki; OZAWA, Fumiyuki
4F4-09 The Insertion Reactions of CO and Isocyanide into the Pd-C Bond of Aryl Palladium(II) Complexes with Auxiliary Bipyridine Ligand (Chem. Res. Lab., Tokyo Tech) SHIROKAWA, Masanori; SUZAKI, Yuji; OSAKADA, Kohtaro

Chair: WAKIOKA, Masayuki (10 : 40~11 : 40)

* 10:30-10:40: interval for laptop PC connection.(4F4-11, 4F4-12, 4F4-13, 4F4-14, 4F4-15, 4F4-16)
4F4-11 Synthesis and reactivity of cationic (μ -germylene)(μ -hydrido) platinum(I) and palladium(I) dinuclear complexes (Grad. Sch. Sci., Eng., Saitama Univ.) SEKIZAWA, Noriko; NAKATA, Norio; ISHII, Akihiko

Cu,Ag,Au

4F4-12[#] Copper-Catalyzed Boracarboxylation of Aromatic Aldehydes with Diborane and Carbon Dioxide. (RIKEN) CARRY, Beatrice; ZHANG, Liang; HOU, Zhaomin
4F4-13 Syntheses of Metal Complexes having a Methoxy-xylyl Linked Bis(carbene) Ligand (Fac. Eng., Nagasaki Univ.; Fac. Eng., Nagasaki Univ.) TAJIRI, Hiroki; NAKAMURA, Takuo; ARIKAWA, Yasuhiro; UMAKOSHI, Keisuke
4F4-14 Carboxylative cyclization of aminomethylallenes using carbon dioxide catalyzed by NHC-Ag complexes (Grad. Sch. Sci., Eng., Tokyo Tech) YAMASHITA, Kyohei; HASE, Shun; KAYAKI, Yoshihito; IKARIYA, Takao
4F4-15 Synthesis and reactivities of alkenylgold(I) complexes as model intermediates in catalytic carboxylative cyclization (Grad. Sch. Sci., Eng., Tokyo Tech) HASE, Shun; YAMASHITA, Kyohei; KAYAKI, Yoshihito; IKARIYA, Takao
4F4-16 The cis-insertion of DMAD into the Au-P bond of Au(SAr)(PPh3) (Sch. Eng., Osaka Univ.) NAKAJIMA, Takuya; KUNIYASU, Hitoshi; TAMAKI, Takashi; IWASAKI, Takanori; KAMBE, Nobuaki

Sunday, March 30, PM

Chair: SHIMAKOSHI, Hisashi (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(4F4-25, 4F4-27, 4F4-29)
4F4-25[#] Photoreaction and optical properties of 1,2-bis(4-pyridyl)ethylene (bpe) assembly built around a ytterbium octaqua complex (Grad. Sch. Eng., Kanagawa Univ.) ORISAKU, Keiko; HINO, Ryotaro; YONEDA, Shohko; HIGASHI, Yoshihiro; IWAKURA, Izumi; KOIDE, Yoshihiro
4F4-27[#] Spectroscopic study on tetravalent uranium compounds in non-aqueous solutions (NSED, JAEA) AOYAGI, Noboru; WATANABE, Masayuki; KIRISHIMA, Akira; SATO, Nobuaki; KIMURA, Takumi
4F4-29^{*} Synthesis and Reactivity of Dinuclear Tantalum Complexes Bearing a Tantalacyclopentadiene Unit (Grad. Sch. Eng. Sci., Osaka Univ.) YAMAMOTO, Keishi; TSURUGI, Hayato; MASHIMA, Kazushi

Chair: FUNAHASHI, Yasuhiro (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(4F4-32, 4F4-33, 4F4-34, 4F4-35, 4F4-36, 4F4-37)
4F4-32[#] Release of carbon monoxide using photoactive porous coordination polymers (Grad. Sch. Eng., Kyoto Univ.) ZHANG, Jicheng; DIRING, Stéphane; KIM, Chiwon; FURUKAWA, Shuhei; KITAGAWA, Susumu
4F4-33 Synthesis and Characterization of Crown Ether-Substituted Electron-Accepting TANC (Fac. Sci., Tokyo Univ. of Sci.) ISODA, Kyosuke; ADACHI, Kaoru; ENOMOTO, Masaya; TADOKORO, Makoto
4F4-34[#] Electrochemical investigation of dihydroxo silicon(IV) porphyrins (Urban Environmental Sci., Tokyo Metropolitan Univ.) REMELLO, Sebastian nybin; HIRANO, Takehiro; YAMAMOTO, Daisuke; ONUKI, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
4F4-35 Synthesis and electrochemical properties of novel ionic liquids using tris(benzene-1,2-dialkoxido)silicate (Grad. Sch. Eng., Tottori Univ.) NANJO, Masato; NAKANO, Hiroki; YOSAKA, Naohiro; HORIUCHI, Kengo; ESAKA, Takao
4F4-36 Simultaneous Synthesis of Re^V and Sn^{IV} Complexes with Hexadentate Thiolate Ligand (Grad. Sch. Sci., Osaka Univ.) NAKAMURA, Kiyoka; KUWAMURA, Naoto; YOSHINARI, Nobuto; IGASHIRA, Asako; KONNO, Takumi
4F4-37 A New Development of Nonmetallic Porphycene Complexes: the First Synthesis of Phosphorus-Containing Porphycene (Grad. Sch. Eng., Kyushu Univ.) MUKOTAKA, Hiroto; ABE, Masaaki; OKAWARA, Toru; ONO, Toshikazu; SHIMAKOSHI, Hisashi; HISAEDA, Yoshio

Chair: IGASHIRA, Asako (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(4F4-39, 4F4-40, 4F4-41, 4F4-42, 4F4-43, 4F4-44)
4F4-39 Development of the Reverse Isomerization of Tris(8-hydroxyquinoline)aluminum (Alq₃) Based on DFT Calculation and Kinetic analysis (Grad. Sch. Eng., Kanagawa Univ.) EBINA, Hideaki; IWAKURA, Izumi; ORISAKU, Keiko; KOIDE, Yoshihiro
4F4-40 Synthesis of Cage-Shaped Borate Complexes Bearing Aromatic Selective Reaction Field and Their Modification of the Ligand (Grad. Sch. Eng., Osaka Univ.) YASUDA, Makoto; MARUYAMA, Hikaru; BABA, Akio
4F4-41 Converting Coordination Information of Co(II) Coordination Networks to Macroscopic Properties (Grad. Sch. Eng., Kyushu Univ.) NAGATOMI, Hisanori; YANAI, Nobuhiro; KIMIZUKA, Nobuo
4F4-42 Synthesis of cobalt (III) complex and its reactivity with small molecules as an NO sensing material (Nagoya Inst. of Tech. Engineering School, Frontier Material) KIMOTO, Yuya; INOMATA, Tomohiko; FUNAHASHI, Yasuhiro; OZAWA, Tomohiro; MASUDA, Hideki
4F4-43 Synthesis and property of the copper complexes by using N₃ type ligand having mesityl group (Coll. Sci., Ibaraki Univ.) SHIMIZU, Masaya; FUJISAWA, Kiyoshi
4F4-44 Syntheses and properties of four-coordinate transition metal nitrosyl complexes using N₃ type ligand (Coll. Sci., Ibaraki Univ.) SOMA, Shoko; FUJISAWA, Kiyoshi

Chair: INOMATA, Tomohiko (16 : 30~17 : 00)

- * 16:20-16:30: interval for laptop PC connection.(4F4-46, 4F4-47, 4F4-48)
4F4-46 Photochemical oxygen evolving properties of cobalt porphyrins with improved stability (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) NAKAZONO, Takashi; PARENT, Alexander; SAKAI, Ken
4F4-47 Synthesis and Dimerization of Cerium-copper Alkoxide Cluster Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) TOYA, Nozomi; TANAKA, Shinji; TSURUGI, Hayato; MASHIMA, Kazushi
4F4-48 Aggregation of Cobalt(III) Complexes with an N₂O₂S₂-hexadentate Thiolate Ligand by Cadmium(II) Ions (Grad. Sch. Sci., Osaka Univ.) HAYASHI, Daiki; YOSHINARI, Nobuto; KUWAMURA, Naoto; IGASHIRA, Asako; KONNO, Takumi

Room F5

Liberal Arts & Sciences Main Building
C15Coordination Chemistry, Organometallic
Chemistry

Saturday, March 29, AM

Mg,Y

Chair: SHIMA, Takanori (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3F5-01, 3F5-03, 3F5-04, 3F5-05, 3F5-06)
3F5-01[#] Reactivity of Magnesium Alkyl Complexes Bearing Amino-Amido Ligands towards Alkynes (Grad. Sch. Eng. Sci., Osaka Univ.) ROCHAT, Raphael; YAMAMOTO, Koji; TSURUGI, Hayato; MASHIMA, Kazushi
3F5-03 Aminoalkylation of Pyridine Derivatives via Direct C-H Bond Activation and Insertion of Imines Catalyzed by Yttrium Amido Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) NAGAE, Haruki; TSURUGI, Hayato; MASHIMA, Kazushi
3F5-04 Yttrium-Mediated Dehydrogenative Dimerization Reaction of Pyridine Derivatives via C-H Activation (Grad. Sch. Eng. Sci., Osaka Univ.) SUMIYA, Shiki; NAGAE, Haruki; SHIBATA, Yu; TSURUGI, Hayato; MASHIMA, Kazushi

Ti,Zr

- 3F5-05** Synthesis, Structure, and Reactivity of an Electron-deficient Silanamine-Coordinated Titanium Complex (Hirosaki Univ. Graduate School of Science and Technology) EBINA, Shoya; OKAZAKI, Masaaki
3F5-06 Reaction of Dihydroindenyl Titanium Complexes with Electrophiles (CRC, Hokkaido Univ.) MIZUKAMI, Yuki; LI, Haijun; SONG, Zhiyi; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu

Chair: TSURUGI, Hayato (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3F5-08, 3F5-09, 3F5-10, 3F5-11, 3F5-12, 3F5-13)
3F5-08 Dinitrogen Cleavage and Hydrogenation by a Tetranuclear Titanium Imido/Hydride Complex (RIKEN CSRS) SHIMA, Takanori; HU, Shaowei; ENDO, Yoshinori; HOU, Zhaomin
3F5-09[#] Functionalization of Imido and Nitrido Polynuclear Titanium Complexes Formed by Dinitrogen Activation (RIKEN CSRS) HU, Shaowei; SHIMA, Takanori; HOU, Zhaomin
3F5-10 Copper promoted ammonia formation by hydrogenolysis of titanium-imido complexes (RIKEN CSRS) ENDO, Yoshinori; SHIMA, Takanori; HOU, Zhaomin
3F5-11[#] Zirconium catalyzed C-C bond formation reaction via zirconacyclopentenes (CRC, Hokkaido Univ.) HSIEH, Yifang; TAKIZAWA, Shota; SONG, Zhiyi; TAKAHASHI, Tamotsu
3F5-12 *ansa*-(Cyclopentadienyl)(Imido)-Zirconium cluster for selective incorporation of Amine substrates and Intra-molecule Aminoalkyne Hydroamination (Grad. Sch. Sci., Eng., Tokyo Tech) NAKANISHI, Tusuke; OISHI, Masataka; SUZUKI, Hiroharu
3F5-13 Siloxy-substituted α -olefin polymerization catalyzed by a zirconium complex incorporating an [OSSO]-type ligand (Grad. Sch. Sci., Eng., Saitama Univ.) SAITO, Yusuke; NAKATA, Norio; ISHII, Akihiko

Sunday, March 30, AM

Hf,Nb,Ta

Chair: MURAOKA, Takako (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4F5-01, 4F5-02, 4F5-03, 4F5-04, 4F5-05, 4F5-06)
4F5-01 Ligand Effects on Coupling Reaction of 2,6-Lutidine and Internal Alkynes Mediated by Hafnium Alkyl Complex with Amine-Imine Ligands (Grad. Sch. Eng. Sci., Osaka Univ.) KONDO, Ai; TSURUGI, Hayato; MASHIMA, Kazushi
4F5-02 Catalytic Radical Addition Reaction Catalyzed by Niobium and Tantalum Complexes with α -Diimine Ligands (Sch. Eng. Sci., Osaka Univ.) NISHIYAMA, Haruka; SAITO, Teruhiko; TSURUGI, Hayato; MASHIMA, Kazushi
4F5-03 Reductive Cleavage of Nitrogen-nitrogen Double Bond of Azobenzene by Low-valent Tantalum Species Generated by TaCl₅ and Bis(trimethylsilyl) diazacyclohexadienes (Grad. Sch. Eng. Sci., Osaka Univ.) KAWAKITA, Kento; SAITO, Teruhiko; TSURUGI, Hayato; MASHIMA, Kazushi
4F5-04 Salt-free Reduction of Imido Complexes of Group 5 Metals by Bis(trimethylsilyl)diazacyclohexadienes (Sch. Eng. Sci., Osaka Univ.) SAITO, Teruhiko; NECHAYEV, Micael; TSURUGI, Hayato; ARNOLD, John; MASHIMA, Kazushi

Mo,W,Re

4F5-05 Synthesis and Properties of Molybdenum(0) Dinitrogen Complexes of N-Heterocyclic Carbenes (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.; Akita Univ. Faculty of Education and Human Studies; PRESTO) AOYAGI, Keiya; SEINO, Hidetake; TADA, Mizuki; OHKI, Yasuhiro

4F5-06 Reactions of an Incomplete-Cuboidal [Mo₃S₄] Cluster with Transition Metal Halides and Reducing Agents (RCMS, Nagoya Univ.) UCHIDA, Keisuke; TADA, Mizuki; OHKI, Yasuhiro

Chair: KOMURO, Takashi (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(4F5-08, 4F5-09, 4F5-11, 4F5-12, 4F5-13)

4F5-08 Optimization of Catalytic Dehalogenation Reaction of Polyhaloalkanes by Paddlewheel Dimolybdenum Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) KANDO, Shun; HAYAKAWA, Akio; TSURUGI, Hayato; MASHIMA, Kazushi

4F5-09** Remarkable effect of substituents on the molybdenum-catalyzed transformation of molecular dinitrogen into ammonia (Grad. Sch. Eng., The Univ. of Tokyo) KURIYAMA, Shogo; ARASHIBA, Kazuya; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki

4F5-11 Synthesis and Catalytic Activity of Molybdenum-Dinitrogen Complex Bearing PCP-Type Pincer Ligands (Grad. Sch. Eng., The Univ. of Tokyo) EIZAWA, Aya; ARASHIBA, Kazuya; KURIYAMA, Shogo; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki

4F5-12# Reactions of silylene- and silanone tungsten complexes with 2,4,6-trimethylbenzotrile-*N*-oxide (Gunma Univ. Faculty of Science and Technology) GAMA, Trigagema; MURAOKA, Takako; UENO, Keiji

4F5-13 Reactions of a silanone tungsten complex with water and methanol (Gunma Univ. Faculty of Science and Technology) KIMURA, Haruhiko; MURAOKA, Takako; UENO, Keiji

Chair: NAKAJIMA, Kazunari (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(4F5-15, 4F5-16, 4F5-18, 4F5-19, 4F5-20)

4F5-15 Reactions of siloxytungsten complexes with trityl cation (Gunma Univ. Faculty of Science and Technology) URAKAMI, Yumi; MURAOKA, Takako; UENO, Keiji

4F5-16* Synthesis of (Imido) tungsten Alkylidene Complexes with α -Diimines and Its Application in Metathesis Reactions (Grad. Sch. Eng. Sci., Osaka Univ.) TANAHASHI, Hiromasa; TSURUGI, Hayato; MASHIMA, Kazushi

4F5-18 Reactions of Molybdenum and Tungsten Complexes Having an η^3 - α -Silabenzyl Ligand with Carboxylic Acids (Grad. Sch. Sci., Tohoku Univ.) KANNO, Yuto; KOMURO, Takashi; TOBITA, Hiromi

4F5-19 Synthesis, Structure and Reactivity of Group 7 Metal Complexes Bearing a PSiP-Pincer Type Ligand. (Grad. Sch. Sci., Eng., Tokyo Tech) IGUCHI, Shoichiro; TAKAYA, Jun; IWASAWA, Nobuharu

4F5-20 Heterobimetallic Complex Composed of Rhenium and Iridium (Grad. Sch. Sci., Eng., Tokyo Tech) NAGAOKA, Masahiro; TAKAO, Toshiro; SUZUKI, Hiroharu

Room G1

Liberal Arts & Sciences Main Building
C20

Biofunctional Chemistry ; Biotechnology

Thursday, March 27, AM

Chair: WADA, Takeshi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1G1-01, 1G1-02, 1G1-03, 1G1-04, 1G1-05, 1G1-06)

1G1-01 Evaluation of the Reactivity of Tet Protein (Grad. Sch. Sci., Kyoto Univ.) KIZAKI, Seiichiro; SUGIYAMA, Hiroshi

1G1-02 Characterization of RGG Domain in TLS/FUS Binding a G-quadruplex Telomere DNA and TERRA (Shizuoka Univ. Grad.School of Science) SHITARA, Takumi; TAKAHAMA, Kentarou; OYOSHI, Takanori

1G1-03 Properties of the binding between triplex DNA binding proteins and triplex DNA (Fac. Sci., Tokyo Univ. of Sci.) KIUCHI, Kazuki; MASE, Kikue; TORIGOE, Hidetaka

1G1-04 Enzymatic Ligation and Phosphorylation of Chimera DNA containing Alkynyl C - Nucleotides (Fac. Pharm. Sci., Univ. of Toyama) KUROSAKI, Fumihiko; YAMADE, Yusuke; CHIBA, Junya; INOUE, Masahiko

1G1-05 Enzymatic syntheses of polynucleotides with high-density modification and their PCR amplification (Grad. Sch. Eng., Gunma Univ.) NAKAJIMA, Kousuke; KUWAHARA, Masayasu

1G1-06 Effects of PEG-modified DNA on cell adhesion (Grad. Sch. Eng., Gunma Univ.) FUJITA, Hiroto; NAKAJIMA, Kousuke; KASAHARA, Yuuya; KUWAHARA, Masayasu

Chair: TORIGOE, Hidetaka (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1G1-08, 1G1-10, 1G1-12, 1G1-13)

1G1-08* Synthesis and properties of oligodiaminogalactose derivatives which bind to A-form nucleic acid duplexes (Fac. Pharm. Sci., Tokyo Univ. of Sci.) IWATA, Rintaro; WADA, Takeshi

1G1-10* Development and Reaction Analysis of Capture Molecule for 8-Nitroguanosine (Grad. Sch. Pharm., Kyushu Univ.) FUCHI, Yasufumi; SASAKI, Shigeki

1G1-12 Isolation of G-quadruplexes by pull-down with a telomestatin derivative (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TSUSHIMA, Yamato; IIDA, Keisuke; NAKAMURA, Takahiro; NAGASAWA, Kazuo

1G1-13 Control of telomeric G-quadruplex topology using small molecules (Fac. Eng., Tokyo Univ. of Agri. and Technol.) MA, Yue; TSUSHIMA, Yamato; OHTAKE, Terumi; IIDA, Keisuke; NAGASAWA, Kazuo

Chair: NAGASAWA, Kazuo (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1G1-15, 1G1-16, 1G1-17, 1G1-18, 1G1-19, 1G1-20)

1G1-15 Inhibition of pre-miRNA processing by small molecule (Grad. Sch. Sci., Osaka Univ.) OTABE, Takahiro; MURATA, Asako; TAKEI, Fumie; NAKATANI, Kazuhiko

1G1-16 Syntheses of G-quadruplex-binding ligands and analysis of their binding properties (Fac. Eng., Gunma Univ.) KATAOKA, Yuka; FUJITA, Hiroto; KUWAHARA, Masayasu

1G1-17 Development of DNA-based peroxidase tags through guanine quadruplex formation (Hiroaki Univ.) MITSUYA, Keita; HAGIHARA, Masaki

1G1-18 Effect of molecular environments on the behaviors of biomolecules (58):Kinetic analysis for DNA adsorption onto graphene oxide nanosurface (FIRST, Konan Univ.) UEDA, Yu-mi; SUGIMOTO, Naoki; MIYOSHI, Daisuke

1G1-19 Selective release of DNA immobilized on graphene oxide through toehold-mediated strand exchange (Grad. Sch. Sci. Technol., Kumamoto Univ.; JST CREST) MIYAHATA, Takaaki; FUTAMURA, Akika; KITAMURA, Yusuke; IHARA, Toshihiro

1G1-20 Synthesis of the restrained naphthyridine dimer and evaluation for binding nucleic acid. (ISIR, Osaka Univ.) MATSUMOTO, Jun; DI, Yue; TSUDA, Tetsuya; NAKATANI, Kazuhiko

Thursday, March 27, PM

Chair: MIYOSHI, Daisuke (14 : 20~15 : 20)

* 14:10-14:20: interval for laptop PC connection.(1G1-33, 1G1-34, 1G1-35, 1G1-36, 1G1-37, 1G1-38)

1G1-33 Electrochemical Evaluation of Flexibility for DNA Duplexes Containing Pyrimidine Photodimers (Grad. Sch. Med. Pharm. Sci. Edu., Univ. of Toyama) AOKI, Shun; CHIBA, Junya; YAMAMOTO, Junpei; IWAI, Shigenori; INOUE, Masahiko

1G1-34 Pillar Shaped Electrode Surface for High Sensitive Electrochemical DNA/RNA Detection Device (Grad. Sch. Eng., Univ. of Hyogo) TAKAMATSU, Yuta; TAKADA, Tadao; NAKAMURA, Mitsunobu; MAENAKA, Kazusuke; YAMANA, Kazushige

1G1-35 Photochemical properties of DNA templated dye aggregates (Grad. Sch. Eng., Univ. of Hyogo) TSUTO, Koji; NAKAMURA, Mitsunobu; TAKADA, Tadao; YAMANA, Kazushige

1G1-36 Preparation of perylene diimide-DNA conjugates using base excision reaction (Grad. Sch. Eng., Univ. of Hyogo) IDO, Misa; TAKADA, Tadao; ASHIDA, Akane; NAKAMURA, Mitsunobu; YAMANA, Kazushige

1G1-37 Development of the chemical way to detect 5-hydroxymethylcytosine by site specific oxidation (RCast, The Univ. of Tokyo) SHIOTA, Hidefumi; HAYASHI, Gosuke; SUGIZAKI, Kaori; OKAMOTO, Akimitsu

1G1-38 Development of electrochemical VEGF detection method using conformational change of aptamer forming nanostructure (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YAGITA, Naoki; MITA, Chifuku; YOSHIDA, Wataru; ABE, Koichi; IKEBUKURO, Kazunori

Chair: IHARA, Toshihiro (15 : 30~16 : 30)

* 15:20-15:30: interval for laptop PC connection.(1G1-40, 1G1-42, 1G1-43, 1G1-45)

1G1-40* Photochemical regulation of gene expression in cell by photoresponsive artificial oligodeoxynucleotides (Sch. Mat. Sci., JAIST) SHIGENO, Atsuo; OHTAKI, Yuuichi; SAKAMOTO, Takashi; FUJIMOTO, Kenzo

1G1-42 miRNA sensing by template directed 3-cyanovinylcarbazole mediated photocrosslinking (Sch. Mat. Sci., JAIST) NAKAMURA, Shigetaka; FUJIMOTO, Kenzo

1G1-43* Construction and application of the covalently linked fluorescent ribonucleopeptide sensors (IAE, Kyoto Univ.) NAKANO, Shun; TAMURA, Tomoki; NAKATA, Eiji; MORII, Takashi

1G1-45 Evaluation of the clustering effect of RNA aptamers by using DNA origami (Grad. Sch. Energy Sci., Kyoto Univ.) YOSHIMURA, Yuki; ANNONI, Chiara; NAKANO, Shun; NAKATA, Eiji; LUISA GELMI, Maria; MORII, Takashi

Chair: OKAMOTO, Akimitsu (16 : 40~17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(1G1-47, 1G1-48, 1G1-50, 1G1-51, 1G1-52)
- 1G1-47** Development of photoresponsive nucleotides having a caged aldehyde group (KIT) SUGIHARA, Yuta; NAKATA, Yuki; YAMAYOSHI, Asako; MURAKAMI, Akira; KOBORI, Akio
- 1G1-48*** Development of linear probe without stem structure(1). Linear probe with high sensitivity and enzymatic durability for fluorescent imaging of mRNA in cells. (Grad. Sch. Eng., Nagoya Univ.; EcoTopia Sci. Inst., Nagoya Univ.) AKAHANE, Mariko; NIWA, Rie; KAMIYA, Yukiko; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 1G1-50** Development of linear probe without stem structure(2). Probe design without destabilizing duplex and its application to the fluorescent labeling of DNA duplex. (Grad. Sch. Eng., Nagoya Univ.) NIWA, Rie; AKAHANE, Mariko; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 1G1-51** Amplification of Fluorescent DNA via Enzymatic Incorporation of Highly Emissive Deoxyguanosine Analogue (Grad. Sch. Sci., Kyoto Univ.) OTOMO, Haruka; PARK, Soyoun; SUGIYAMA, Hiroshi
- 1G1-52** Modification of emissive deoxyguanosine analogue (Grad. Sch. Sci., Kyoto Univ.) YAMAMOTO, Seigi; PARK, Soyoun; OTOMO, Haruka; SUGIYAMA, Hiroshi

Chair: TANABE, Kazuhito (17 : 50~18 : 20)

- * 17:40-17:50: interval for laptop PC connection.(1G1-54, 1G1-55, 1G1-56)
- 1G1-54** Novel protecting groups for stereoselective synthesis of P-modified nucleic acid analogues (Grad. Sch. Frontier Sci., The Univ. of Tokyo) HAMAMURA, Yuka; NUKAGA, Yohei; WADA, Takeshi
- 1G1-55** Development of hypoxia sensitive protecting groups (Fac. Eng., Kanagawa Univ.) IKETANI, Koichi; NAGURA, Satoru; OKAMOTO, Itaru; SANEYOSHI, Hisao; ONO, Akira
- 1G1-56** Development of DNA/RNA photocrosslinker having threoninol skeleton with 3-cyanovinylcarbazole (Sch. Mat. Sci., JAIST) TANAKA, Yuuya; SAKAMOTO, Takashi; FUJIMOTO, Kenzo

Friday, March 28, AM

Chair: INOUE, Masahiko (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2G1-01, 2G1-02, 2G1-03, 2G1-04, 2G1-05, 2G1-06)
- 2G1-01** Sensitivity Improvement of FISH for Detecting Methylcytosines (Grad. Sch. Eng., The Univ. of Tokyo) SUTOH, Amane; HAYASHI, Gosuke; OKAMOTO, Akimitsu
- 2G1-02** Development of novel FRET systems for the detection of RNA with a point mutation (KIT) KAWAI, Masayuki; NAKAJIMA, Kosuke; UEDA, Takako; YAMAYOSHI, Asako; KOBORI, Akio; MURAKAMI, Akira
- 2G1-03** Development of super-sensitive fluorescent probe of artificial oligonucleotide for monitoring of RNA in living cell (Grad. Sch. Eng., Nagoya Univ.) MURAYAMA, Keiji; KAMIYA, Yukiko; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 2G1-04** Development of molecular beacon with multiple Cy3 for sensitive nucleic acid detection (Sch. Eng., Nagoya Univ.) KASHIDA, Hiromu; MORIMOTO, Kazuhiro; OSAWA, Takuya; KAMIYA, Yukiko; ASANUMA, Hiroyuki
- 2G1-05** Design of artificial nucleic acids that function in hypoxic cells (Grad. Sch. Eng., Kyoto Univ.) TANABE, Kazuhito; YOSHIHARA, Kazuki; SON, Aoi
- 2G1-06** Development of the novel disubstituted pyrene derivatives containing a silyl group and introduction into DNA (Grad. Sch. Eng., Gunma Univ.) SATOMI, Hida; MORIGUCHI, Tomohisa; SHINOZUKA, Kazuo

Chair: MORI-I, Takashi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2G1-08, 2G1-09, 2G1-10, 2G1-12, 2G1-13)
- 2G1-08** Creation of novel caged compound possessing fluorescence property (Grad. Sch. Mat. Sci., NAIST) HISAI, Terunobu; SASAKI, Yasuo; NISHIYAMA, Yasuhiro; KAKIUCHI, Kiyomi
- 2G1-09** Development and thermodynamic properties of photoresponsive DNA having imidazolone derivatives at 1' position. (KIT) SAKATA, Yuya; KASAI, Takuo; YAMAYOSHI, Asako; MURAKAMI, Akira; KOBORI, Akio
- 2G1-10*** Effect of molecular environments on the behaviors of biomolecules (47): Structural stability of i-motif DNA controlled by high pressure (FIBER, Konan Univ.) TAKAHASHI, Shuntaro; SUGIMOTO, Naoki
- 2G1-12*** Effect of molecular environments on the behaviors of biomolecules (48): Quantitative analyses of the ligand binding to guanine quadruplex by pressure changes (FIBER, Konan Univ.) BHOWMIK, Sudipta; TAKAHASHI, Shuntaro; ENDOH, Tamaki; SUGIMOTO, Naoki
- 2G1-13** Identification and improvement of aptamers based on in silico genome sequence analysis and in silico sequence manipulation (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YOKOYAMA, Tomomi; YOSHIDA, Wataru; SAITO, Taiki; ABE, Koichi; IKEBUKURO, Kazunori

Chair: ABE, Koichi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2G1-15, 2G1-17, 2G1-19, 2G1-20)

- 2G1-15*** Effect of mRNA secondary structure folded by co-transcriptional folding on translation suppression caused by RNA G-quadruplex (FIBER, Konan Univ.; FIRST, Konan Univ.) ENDOH, Tamaki; SUGIMOTO, Naoki
- 2G1-17*** Development of dual-functional probe for monitoring DNA G-quadruplex (Fac. Med., Univ. of Miyazaki) ISHIZUKA, Takumi; XU, Yan
- 2G1-19** Structural characterization of I-quartet in G-quadruplex DNA (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; NARO) KINOSHITA, Masashi; SHIBATA, Tomokazu; HEMMI, Hikaaru; YAMAMOTO, Yasuhiko
- 2G1-20** An Attempt for Quantitative Evaluation of Stabilization of G-quadruplex Structure by Cationic Porphyrin Using AFM Force Measurements (Fac. Sys. Eng., Wakayama Univ.) FUNAYAMA, Ryoto; NAKAHARA, Yoshio; KADO, Shinpei; TANAKA, Mutsuo; KIMURA, Keiichi

Friday, March 28, PM

Chair: YAMAMOTO, Yasuhiko (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2G1-28, 2G1-29, 2G1-30, 2G1-31, 2G1-32)
- 2G1-28** Single-molecule observation of double-stranded DNA formation using total internal reflection fluorescence microscopy (1) (Grad. Sch. Sci., Eng., Yamagata Univ.) FURUSAWA, Hiroyuki; YAZAWA, Kenjiro; OKAHATA, Yoshio
- 2G1-29** Single-molecule observation of double-stranded DNA formation using total internal reflection fluorescence microscopy (2) (Grad. Sch. Sci., Eng., Yamagata Univ.) YAZAWA, Kenjiro; FURUSAWA, Hiroyuki; OKAHATA, Yoshio
- 2G1-30*** Effect of molecular environments on the behaviors of biomolecules (51): The stability of DNA duplex and G-quadruplex at the biomembrane surface (Konan Univ. FIBER) PRAMANIK, Smritimoy; TATEISHI-KARIMATA, Hisae; SUGIMOTO, Naoki
- 2G1-31** Effect of molecular environments on the behaviors of biomolecules (52): Prediction of stability of nucleic acids in the presence of molecular ions by molecular dynamics simulations (FIBER, Konan Univ.) NAKANO, Miki; TATEISHI, Hisae; SUGIMOTO, Naoki
- 2G1-32*** Effect of molecular environments on the behaviors of biomolecules (53): DNA Sequence Sensor Operates Efficiently in a Hydrated Ionic Liquid (FIBER, Konan Univ.) TATEISHI-KARIMATA, Hisae; NAKANO, Miki; SUGIMOTO, Naoki

Chair: FURUSAWA, Hiroyuki (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2G1-35, 2G1-36, 2G1-37, 2G1-38, 2G1-39, 2G1-40)
- 2G1-35** Photochemical properties of phenanthridine derivatives in the presence of DNA and clay mineral (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) ICHIHARA, Hiroyuki; OHTANI, Yuta; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 2G1-36** CE-SELEX of modified DNA aptamers that contain 2' -deoxy-2' -fluoroguanosine (Fac. Eng., Gunma Univ.) HAGIWARA, Kenta; KASAHARA, Yuuya; FUJITA, Hiroto; IRISAWA, Yuuta; KUWAHARA, Masayasu
- 2G1-37** Artificial nucleic acid aptamer-small molecule interaction analyses by nonequilibrium capillary electrophoresis of equilibrium mixtures (Grad. Sch. Eng., Gunma Univ.) KASAHARA, Yuuya; WATANABE, Yurika; IMAIZUMI, Yuri; KUWAHARA, Masayasu
- 2G1-38** Structural analysis of dye-conjugated DNA by using FRET (Grad. Sch. Eng., Nagoya Univ.) KASHIDA, Hiromu; KURIHARA, Ayako; AKAHANE, Mariko; KATO, Tomohiro; ASANUMA, Hiroyuki
- 2G1-39** Development of artificial DNA triplexes incorporating deoxypseudocytidine and 5-methyl-4-pyrimidinone nucleoside analogs (Grad. Sch. Biosci. Biotech., Tokyo Tech) YAMAGUCHI, Kei; KANAMORI, Takashi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 2G1-40** Thermodynamic properties of chemically-modified duplexes under molecular crowding conditions (Fac. Sci., Tokyo Univ. of Sci.) HASHIZUME, Yukiko; TORIGOE, Hidetaka

Chair: OHYA, Yuichi (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(2G1-42, 2G1-43, 2G1-45, 2G1-46)
- 2G1-42** Effect of molecular environments on the behaviors of biomolecules (54): Evaluation of the structural stability of DNA confined in a gel (FIRST, Konan Univ.) YOSHIDA, Masatoshi; YAMAGUCHI, Daisuke; SUGIMOTO, Naoki; NAKANO, Shu-ichi
- 2G1-43*** Effect of molecular environments on the behaviors of biomolecules (55): Enhancement of the ribozyme activity caused by tetraalkylammonium ions (FIRST, Konan Univ.) NAKANO, Shu-ichi; SUGIMOTO, Naoki
- 2G1-45** Effect of molecular environments on the behaviors of biomolecules (57) A DNA structural switch induced by a cationic comb-type copolymer (FIRST, Konan Univ.; Sch. Biosci. Biotech., Tokyo Tech) MIYOSHI, Daisuke; UEDA, Yu-mi; MARUYAMA, Atsushi; SHIMADA, Naohiko; SUGIMOTO, Naoki
- 2G1-46*** Conjugation of two DNA oligomers with rigid linker (Suzuka Univ. of Med. Sci. Pharmaceutical Sciences; Grad. Sch. Sci., Kyoto Univ.) TASHIRO, Ryu; IWAMOTO, Masahiro; SUGIYAMA, Hiroshi

Chair: KUWAHARA, Masayasu (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(2G1-49, 2G1-51, 2G1-52, 2G1-53, 2G1-54)
- 2G1-49*** DNA aptamers for receptor signaling inhibition (IFRC, Kyushu Univ.) UEKI, Ryosuke; SHINSUKE, Sando
- 2G1-51** Immobilization of a single protein molecule at a defined position on DNA origami : Development of a DNA binding adaptor with covalent linkage (IAE, Kyoto Univ.) SASAKI, Kenta; TODA, Takahito; NAKATA, Eiji; MORII, Takashi
- 2G1-52** Immobilization of a single protein molecule at defined position on DNA origami : Formation of a covalent linkage between an adaptor and DNA origami (Grad. Sch. Energy Sci., Kyoto Univ.) TODA, Takahito; NGO, Anh tien; SASAKI, Kenta; NAKATA, Eiji; SAIMURA, Masayuki; MORII, Takashi
- 2G1-53** Development nanomechanical DNA origami devices with rigid lever portions. (Fac. Chem. Materials and Bioeng., Kansai Univ.) WATANABE, Ryosuke; KAINO, Masahumi; MINAMIDA, Shinya; KUZUYA, Akinori; OHYA, Yuiti
- 2G1-54** A study on appropriate fulcrum structure for nanomechanical DNA origami pinching device (Fac. Chem. Materials and Bioeng., Kansai Univ.) ASANO, Arashi; KAINO, Masafumi; MINAMIDA, Shinya; KUZUYA, Akinori; OHYA, Yuichi

Saturday, March 29, AM

Chair: KUZUYA, Akinori (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3G1-01, 3G1-02, 3G1-04, 3G1-05, 3G1-06)
- 3G1-01** Synthesis of cyclen modified DNA and evaluation of its metal coordination ability (Grad. Sch. Eng., Nagoya Univ.) KASHIDA, Hiromu; MARUYAMA, Ryoko; OKAYAMA, Yasuaki; MURAYAMA, Keiji; ASANUMA, Hiroyuki
- 3G1-02*** [2+2] photodimerization of stilbene derivatives by using DNA duplex as a scaffold (Grad. Sch. Eng., Nagoya Univ.) DOI, Tetsuya; SAKAKIBARA, Takumi; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 3G1-04** Allosteric Regulation of Functional DNA by Metal Ion-directed Reversible Splicing (Grad. Sch. Sci. Technol., Kumamoto Univ.) OHURA, Hiroyuki; SHIRAHAMA, Chisato; FURUZONO, Tomohiro; KITAMURA, Yusuke; IHARA, Toshihiro
- 3G1-05** Arrays of rare-earth metal ions inside DNA duplexes possessing 5-hydroxyuracils as ligand moieties (Grad. Sch. Sci., The Univ. of Tokyo) NISHIYAMA, Kotaro; TAKEZAWA, Yusuke; SHIONOYA, Mitsuhiro
- 3G1-06** Interaction between silver ions and mismatched pyrrolo-dC-modified duplex DNA (Fac. Sci., Tokyo Univ. of Sci.) DEGUCHI, Kanako; ONO, Akira; TORIGOE, Hidetaka

Chair: TAKEZAWA, Yusuke (10 : 10~10 : 40)

- * 10:00-10:10: interval for laptop PC connection.(3G1-08, 3G1-09, 3G1-10)
- 3G1-08** Development of topological molecular device using DNA origami composite (Fac. Chem. Materials and Bioeng., Kansai Univ.) KAINO, Masafumi; MINAMIDA, Shinya; HASHIZUME, Mirai; KUZUYA, Akinori; OHYA, Yuichi
- 3G1-09** Design of photoresponsive microcapsule made by DNA in conjunction with azobenzene modification (Grad. Sch. Eng., Nagoya Univ.) YAMADA, Yoshinobu; MURO, Takahiro; MATSUURA, Kazunori; KAMIYA, Yukiko; ASANUMA, Hiroyuki
- 3G1-10** Visible-Light Regulation of RNA Cleavage by Photo-responsive DNzyme (Sch. Eng., Nagoya Univ.) KAMIYA, Yukiko; OOI, Hideaki; TAKAGI, Toshiki; ASANUMA, Hiroyuki

Saturday, March 29, PM

Chair: SUGIMOTO, Naoki (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3G1-26, 3G1-29, 3G1-30)
- 3G1-26 CSJ Award for Young Chemists** Development of Functional Nucleic Acids by Using Pseudo Base Pairs of Non-natural molecules (Grad. Sch. Eng., Nagoya Univ.) KASHIDA, Hiromu
- 3G1-29*** Direct observation dual-regulated nanomechanical movements in a single DNA nanostructure (Grad. Sch. Sci., Kyoto Univ.) YANG, Yangyang; ENDO, Masayuki; SUZUKI, Yuki; HIDAKA, Kumi; SUGIYAMA, Hiroshi
- 3G1-30**** Dynamic behavior of photoresponsive DNA origami nanostructures directly visualized on a lipid membrane surface (Grad. Sch. Sci., Kyoto Univ.) SUZUKI, Yuki; ENDO, Masayuki; YANG, Yangyang; SUGIYAMA, Hiroshi

Chair: SUGIYAMA, Hiroshi (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(3G1-33, 3G1-34, 3G1-35, 3G1-36, 3G1-38)
- 3G1-33*** Effect of molecular environments on the behaviors of biomolecules (50): Quantitative analyses of aptamer-ligand binding kinetics derived from FMN riboswitches (FIBER, Konan Univ.; FIRST, Konan Univ.) AMBADAS, Rode; ENDOH, Tamaki; SUGIMOTO, Naoki
- 3G1-34** Regulation of ribosomal frameshift by small molecule-induced RNA pseudoknot (ISIR, Osaka Univ.) MATSUMOTO, Saki; MURATA, Asako

HONG, Changfeng; NAKATANI, Kazuhiko

- 3G1-35** Development of novel nucleic acid analogs that mimic functions of non-coding RNA (7SK) (III) Development of transcriptional switching system using 7SK mimics (KIT) KISHIMOTO, Kyosuke; YAMAYOSHI, Asako; YOSHIMOTO, Kodai; KOMANO, Jun; KOYANAGI, Yoshio; KOBORI, Akio; MURAKAMI, Akira
- 3G1-36**** Construction of organized assembly of enzymes on DNA origami (Kyoto Univ.) NGO, Anh tien; NAKATA, Eiji; SAIMURA, Masayuki; KODAKI, Tsutomu; MORII, Takashi
- 3G1-38*** Applications of sequence-specific DNA binding adaptors for assembling proteins on DNA origami (Grad. Sch. Energy Sci., Kyoto Univ.) DINH, Huyen; NAKATA, Eiji; NGO, Anh tien; ASHIDA, Hiroki; YOKOTA, Akiho; MORII, Takashi

Chair: NAGATSUGI, Fumi (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(3G1-40, 3G1-41, 3G1-42, 3G1-44, 3G1-45)
- 3G1-40*** Design and synthesis of novel small-molecule ligand for targeting nucleotide bulges (ISIR, Osaka Univ.) LI, Jinxing; OTABE, Takahiro; NAKATANI, Kazuhiko
- 3G1-41*** Synthesis and Biological Evaluation of Targeted Transcriptional Activator (Grad. Sch. Sci., Kyoto Univ.) SAHA, Abhijit; PANDIAN, Ganesh; TANIGUCHI, Junichi; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 3G1-42*** Design and construction of helical DNA tubular structures (iCeMS, Kyoto Univ.) ENDO, Masayuki; YAMAMOTO, Seigi; EMURA, Tomoko; HIDAKA, Kumi; SUGIYAMA, Hiroshi
- 3G1-44** Photoresponsive DNA origami nanocapsule (Grad. Sch. Sci., Kyoto Univ.) TAKENAKA, Tomohiro; ENDO, Masayuki; SUZUKI, Yuki; YANG, Yangyang; HIDAKA, Kumi; SUGIYAMA, Hiroshi
- 3G1-45** Control of the binding ability of amphiphilic 2D DNA nanostructure to lipid bilayer membrane (ISIR, Osaka Univ.) MAKISHI, Shingo; DOHNO, Chikara; NAKATANI, Kazuhiko

Chair: DOHNO, Chikara (16 : 40~17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(3G1-47, 3G1-49, 3G1-51, 3G1-52)
- 3G1-47*** Catalytic activities of the ribonucleopeptides with catalytic functional groups (IAE, Kyoto Univ.) TAMURA, Tomoki; YOSHIMURA, Yuki; NAKANO, Shun; NAKATA, Eiji; MORII, Takashi
- 3G1-49*** Development of the Method for Chemical Modification to Duplex DNA Containing Hydrophobic Pocket (IMRAM, Tohoku Univ.) SATO, Norihiro; TSUJI, Gen-ichiro; MOKI, Takuma; NAGATSUGI, Fumi
- 3G1-51** Development of new DNA hybrid catalyst for asymmetric catalyst (Grad. Sch. Sci., Kyoto Univ.) PARK, Soyoun; SAKAHISHI, Sohei; SUGIYAMA, Hiroshi
- 3G1-52** Structural Understanding of DNA-based Asymmetric Catalysis (Grad. Sch. Sci., Kyoto Univ.) PARK, Soyoun; SAKASHITA, Sohei; SUGIYAMA, Hiroshi

Sunday, March 30, AM

Chair: SAITO, Yoshio (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4G1-01, 4G1-02, 4G1-03, 4G1-04, 4G1-05, 4G1-06)
- 4G1-01** A highly efficient method for the synthesis of selenium modified nucleosides (Fac. Eng., Gifu Univ.) KOGAMI, Masakazu; KOKETSU, Mamoru
- 4G1-02** Synthesis and design of nucleic acid binding molecules with enthalpy-driven model 2 (ISIR, Osaka Univ.) NATSUHARA, Nozomi; DI, Yue; TSUDA, Tetsuya; NAKATANI, Kazuhiko
- 4G1-03** Synthesis of Peptide Nucleic Acids containing 3-aminopyridazine derivatives and their hybridization properties. (Grad. Sch. Biosci. Biotech., Tokyo Tech) TOMORI, Takahito; MIYATAKE, Yuya; SATOU, Yuta; KANAMORI, Takashi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 4G1-04** Solid-phase synthesis of boron-containing RNA analogs by the 2' - O-CEM-protected H-boranophosphate method. (Fac. Pharm. Sci., Tokyo Univ. of Sci.) WADA, Takeshi; ITO, Hiroaki; SHUTO, Tomohito; UEHARA, Sho
- 4G1-05** Synthesis of nucleoside derivative modified with 4-(dimethylamino) naphthalene-1-boronic acid (Grad. Sch. Biosci. Biotech., Tokyo Tech) IJIMA, Yoshihiro; HARIYAMA, Tomo; OKAMOTO, Itaru; KANAMORI, Takashi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 4G1-06** Synthesis of 7-ethynyl-7-deazaguanine (Fac. Eng., Gifu Univ.) SHIMIZU, Yousuke; OKA, Natsuhisa; ANDO, Kaori; OHNO, Satoshi; YOKOGAWA, Takashi

Chair: OKA, Natsuhisa (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4G1-08, 4G1-09, 4G1-10, 4G1-11, 4G1-12, 4G1-13)
- 4G1-08** Synthesis of 2'-O-methylthiocarbamoyl ethyl (MTCE) modified ribonucleosides and their properties (Grad. Sch. Biosci. Biotech., Tokyo Tech) MASAKI, Yoshiaki; YAMAMOTO, Keishi; ISHII, Akihiro; INDE, Takeshi; KANAMORI, Takashi; SEIO, Kohji; SEKINE, Mitsuo

- 4G1-09** Liquid-Phase Synthesis of Nucleoside Derivatives Using Alkyl Chain Soluble Support (Fac. Agr., Tokyo Univ. of Agri. and Technol.) MATSUNO, Yuki; KIM, Shokaku; CHIBA, Kazuhiro
- 4G1-10** Synthesis and photophysical properties of naphthalene derivatives conjugated 8-aza-7-deaza-2'-deoxypurine nucleosides via Suzuki-Miyaura cross-coupling reaction (Sch. Eng., Nihon Univ.) SUZUKI, Azusa; FUKUMA, Erika; SAITO, Isao; SAITO, Yoshio
- 4G1-11** Synthesis and properties of a modified DNA containing monothioacetal linkage (Grad. Sch. Eng., Gunma Univ.) SEKINE, Mitsuaki; MORIGUCHI, Tomohisa; SHINOZUKA, Kazuo
- 4G1-12** Development of the modified oligonucleotide capable of the photocrosslinking ability containing a glycol-type backbone (Grad. Sch. Eng., Gunma Univ.) MOTEGI, Dai; MORIGUCHI, Tomohisa; SHINOZUKA, Kazuo
- 4G1-13** Synthesis of Conjugated Oligonucleotides in Solution-Phase Using Alkyl Chain Soluble Support (Tokyo Univ. of Agri. and Technol. Laboratory of Bio-organic Chemistry) SHOJI, Takao; KIM, Shokaku; CHIBA, Kazuhiro

Chair: FUJIMOTO, Kenzo (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(4G1-15, 4G1-16, 4G1-17, 4G1-18)
- 4G1-15** Studies on Introduction of Phenylboronate Moiety into Peptide Ribonucleic Acid (PRNA) and PRNA-DNA Chimera Aiming for Intercellular Environment Responsible Artificial Nucleic Acids (IMRAM, Tohoku Univ.) UEMATSU, Ryohei; MIZUTANI, Tatsuya; ARAKI, Yasuyuki; SAKAMOTO, Seiji; YAMAYOSHI, Asako; MURAKAMI, Akira; WADA, Takehiko
- 4G1-16** Invention of Artificial PCR System Towards Development of Functional Artificial Nucleic Acids-1 - Study on Monomer Structure and Reactivity of the Monomer- (IMRAM, Tohoku Univ.) MURAKAMI, Manami; HAGIWIWA, Naomichi; SAKAMOTO, Seiji; ARAKI, Yasuyuki; WADA, Takehiko
- 4G1-17** Nile blue photosensitizes DNA damage at consecutive guanine residues (Grad. Sch. Eng., Shizuoka Univ.) HIRAKAWA, Kazutaka; OTA, Kazuhiro; HIRAYAMA, Junya; OIKAWA, Shinji; KAWANISHI, Shosuke
- 4G1-18** Product analysis of photooxidation in quadruplex DNA (Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.; Fac. Sci., Shizuoka Univ.) MORIKAWA, Masayuki; OYOSHI, Takanori; SUZUKI, Masayo; KOBAYASHI, Takanobu; MIYAZAWA, Hiroshi; KINO, Katsuhito

Sunday, March 30, PM

Chair: WADA, Takehiko (13 : 40~14 : 30)

- * 13:30-13:40: interval for laptop PC connection.(4G1-29, 4G1-30, 4G1-31, 4G1-32, 4G1-33)
- 4G1-29** Reactivity of the cross-link forming pyrimidine derivative to guanine analogs (IMRAM, Tohoku Univ.) ISHIYAMA, Shogo; KUSANO, Shuhei; NAGATSUGI, Fumi
- 4G1-30** Design and characterization of small RNA involving photocrosslinking group (Sch. Eng., Nagoya Univ.) KAMIYA, Yukiko; TSUDA, Koki; YOSHIDA, Kenji; DOI, Tetsuya; ASANUMA, Hiroyuki
- 4G1-31** Synthesis of Chimeric Oligonucleotides containing Triazole-linked RNA and Natural RNA (Grad. Sch. Sci., Tohoku Univ.) KOGASHI, Kanako; YAMAZAKI, Naomi; FUJINO, Tomoko; ISOB, Hiroyuki
- 4G1-32** Connecting DNA duplexes mediated by pyrene clusters (Grad. Sch. Eng., Nagoya Univ.) SAKAKIBARA, Takumi; DOI, Tetsuya; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 4G1-33** DNA strand exchange reaction regulated by 3-cyanovinylcarbazole-mediated photocrosslinking (Sch. Mat. Sci., JAIST) HASHIMOTO, Hirokazu; NAKAMURA, Shigetaka; KOBAYASHI, Satoshi; FUJIMOTO, Kenzo
- Chair: KOBORI, Akio (14 : 40~15 : 40)
- * 14:30-14:40: interval for laptop PC connection.(4G1-35, 4G1-36, 4G1-38, 4G1-39, 4G1-40)
- 4G1-35** DNA chemical ligation by using Diels-Alder reaction (Grad. Sch. Eng., Nagoya Univ.) OKAYAMA, Yasuaki; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 4G1-36*** Synthesis of novel cationic peptides binding to nucleic acid drugs (Fac. Pharm. Sci., Tokyo Univ. of Sci.) MAEDA, Yusuke; IWATA, Rintaro; WADA, Takeshi
- 4G1-38** Synthesis and evaluation of PNA incorporated the crosslink forming nucleobase (IMRAM, Tohoku Univ.) AKISAWA, Takuya; ISHIZAWA, Yuki; NAGATSUGI, Fumi
- 4G1-39** Stereocontrolled synthesis of dinucleoside phosphorothioates using chiral acids as activators (Fac. Eng., Gifu Univ.) SAKAI, Tomoki; OKA, Natsuhisa; ORI, Kensuke; ANDO, Kaori
- 4G1-40** Development of the crosslinking nucleobase by oxidative activation for the control of gene expression in cells (IMRAM, Tohoku Univ.) HARUYAMA, Takuya; KUSANO, Shuhei; NAGATSUGI, Fumi

Chair: IWATA, Rintaro (15 : 50~17 : 00)

- * 15:40-15:50: interval for laptop PC connection.(4G1-42, 4G1-43, 4G1-44, 4G1-45, 4G1-46, 4G1-48)

- 4G1-42** Effect of molecular environments on the behaviors of biomolecules (56): Selective Inhibition of Cancer Cell Proliferation by Anionic Phthalocyanine (FIRST, Konan Univ.) YAKU, Hidenobu; MURASHIMA, Takashi; MIYOSHI, Daisuke; SUGIMOTO, Naoki
- 4G1-43** Development of new method of double-stranded nucleic acid delivery by intercalator (Fac. Eng., Gifu Univ.) KABUMOTO, Marina; IKEDA, Masato; KITADE, Yukio
- 4G1-44** Synthesis of a molecular sensor consisting of DNA and lipid molecules (Grad. Sch. Arts and Sci., The Univ. of Tokyo) SHOHTA, Koh-ichiroh; SUYAMA, Akira
- 4G1-45** Development of novel functional oligonucleotides for regulation of RISC functions(I) Design of novel inhibitors for promoting release of microRNA from RISC (KIT) ARIYOSHI, Jumpei; YAMAYOSHI, Asako; EIMORI, Nao; KOBORI, Akio; MURAKAMI, Akira
- 4G1-46*** Improvement of stability and activity of siRNA by introduction of acyclic scaffolds (EcoTopia Sci. Inst., Nagoya Univ.) KAMIYA, Yukiko; TAKAI, Junya; ITO, Anna; MURAYAMA, Keiji; KASHIDA, Hiromu; ASANUMA, Hiroyuki
- 4G1-48** Screening of DNA aptamers against norovirus VP1. (Fac. Eng., Tokyo Univ. of Agri. and Technol.) IKEBUKURO, Kazunori; YAMAMOTO, Yukimi; MITA, Chifuku; ABE, Koichi; YOSHIDA, Wataru

Room G2

Liberal Arts & Sciences Main Building C21

Biofunctional Chemistry ; Biotechnology

Thursday, March 27, AM

Cell

Chair: TAKAGI, Masahiro (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1G2-01, 1G2-03, 1G2-05, 1G2-06)
- 1G2-01*** Fluorescence Imaging of Telomeric Repeat-Containing RNA in Living Cells (Grad. Sch. Sci., The Univ. of Tokyo) YAMADA, Toshimichi; YOSHIMURA, Hideaki; HATTORI, Mitsuru; OZAWA, Takeaki
- 1G2-03*** Imaging analysis of gene expression responses against insulin stimulation utilizing DNA nanostructured fluorescent biosensor (Hiroshima Univ. Institute for Sustainable Sciences and Development) SHIGETO, Hajime; NAKATSUKA, Keisuke; KURODA, Akio; FUNABASHI, Hisakage
- 1G2-05** Engineered post-synapse model cell for cellular biosensing featuring data analysis by chemometrics (Grad. Sch. Life Sci. Sys. Eng., KIT) TANAKA, Masami; MATSUO, Keishi; CAUCHI, Michael; COLEMAN, Sarah K.; BESSANT, Conrad; KEINANEN, Kari; HARUYAMA, Tetsuya
- 1G2-06** Enzyme sensor for real-time *in situ* monitoring of bioprocesses based on direct electron transfer principle (Fac. Eng., Tokyo Univ. of Agri. and Technol.) HIROSE, Nana; NARITA, Miho; KOJIMA, Katsuhiko; TSUGAWA, Wakako; SODE, Koji
- Chair: FUNABASHI, Hisakage (10 : 10~11 : 10)
- * 10:00-10:10: interval for laptop PC connection.(1G2-08, 1G2-09, 1G2-10, 1G2-11, 1G2-13)
- 1G2-08** Development of the cyanobacterial cell-surface protein-display technology using antigen 43 (Fac. Eng., Tokyo Univ. of Agri. and Technol.) ITO, Akiko; NAKAMURA, Mayumi; ABE, Koichi; KOJIMA, Katsuhiko; FERRI, Stefano; SODE, Koji
- 1G2-09** Improvement of riboregulator which strictly regulates gene expression in *Synechocystis* sp. PCC6803 (Fac. Eng., Tokyo Univ. of Agri. and Technol.) ABE, Koichi; SAKAMOTO, Ippei; KAWAI, Sumiya; NAKASHIMA, Saki; SAKAI, Yuta; SODE, Koji; IKEBUKURO, Kazunori
- 1G2-10** Development of a green light induced auto-lysis system for Cyanobacteria (Fac. Eng., Tokyo Univ. of Agri. and Technol.) MIYAKE, Kotone; SEKIGUCHI, Hikaru; ABE, Koichi; KOJIMA, Katsuhiko; FERRI, Stefano; SODE, Koji
- 1G2-11*** Prospects in biofuel production: the introduction of green-light-regulated gene expression system in marine cyanobacteria (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; JST CREST) BADARY, Amr; ABE, Koichi; KOJIMA, Katsuhiko; FERRI, Stefano; SODE, Koji
- 1G2-13*** Elucidation of molecular mechanism underlying synchronization of circadian clock by UV light irradiation (Grad. Sch. Sci., The Univ. of Tokyo) KAWAMURA, Genki; HATTORI, Mitsuru; TAMARU, Teruya; TAKEAKI, Ozawa
- Chair: OZAWA, Takeaki (11 : 20~12 : 10)
- * 11:10-11:20: interval for laptop PC connection.(1G2-15, 1G2-17, 1G2-19)
- 1G2-15*** Development of a light regulated *Escherichia coli* bioprocesses (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; JST CREST) NAKAJIMA, Mitsuharu; ABE, Koichi; KOJIMA, Katsuhiko; FERRI, Stefano; SODE, Koji

- 1G2-17*** Functional analysis of shape regulator proteins in *Magnetospirillum magneticum* strain AMB-1 synthesizing spherical magnetite crystal (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YAMAGISHI, Ayana; FUKUYO, Ayumi; TANAKA, Masayoshi; MATSUNAGA, Tadashi; ARAKAKI, Atsushi
- 1G2-19** Effect of menthol as a coolant on membrane fluidity and signal transduction in T-cell (Sch. Mat. Sci., JAIST) YABUUCHI, Satomi; ENDO, Satoshi; BAEK, Keang Ok; HOSHINO, Kunihide; TSUJINO, Yoshio; SHIMOKAWA, Naofumi; TAKAGI, Masahiro

Thursday, March 27, PM

Chair: SHIKU, Hitoshi (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(1G2-33, 1G2-34, 1G2-36, 1G2-37)
- 1G2-33** Preparation of Highly Cell-Adhesive Gold Nanorod and Its Application to Photocontrol of Plasma Membrane Protein (Grad. Sch. Eng., Kyoto Univ.) NAKATSUJI, Hirotsuka; KOYAMA, Shouhei; KIMURA, Tasuku; TAKANO, Yuuta; NUMATA, Tomohiro; MORI, Yasuo; MURAKAMI, Tatsuya; IMAHORI, Hiroshi
- 1G2-34**** Scaffold engineering of small RNAs to improve gene regulation ability in *Escherichia coli* (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; JST CREST) SAKAI, Yuta; ABE, Koichi; NAKASHIMA, Saki; SODE, Koji; IKEBUKURO, Kazunori
- 1G2-36** Development of droplet-based digital PCR technique for the analysis of HIV infection (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) WADA, Yamato; HOSOKAWA, Masahito; KOBAYASHI, Mie; MORI, Tetsushi; SEKIGUCHI, Tetsushi; SHOJI, Syuichi; YOKOTA, Yasuko; TAKEYAMA, Haruko
- 1G2-37*** Selective Capture and Collection of Target Cells Using Visible-Light Responsive Microdevices (Center Technol. against Cancer, Tokyo Univ. of Sci.) ARIYASU, Shinya; MUKAI, Yuto; TAKEDA, Reisa; SUZUKI, Toshinori; HAYASE, Masanori; ABE, Ryo; AOKI, Shin

Chair: ENDOH, Tamaki (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(1G2-40, 1G2-41, 1G2-43, 1G2-45)
- 1G2-40** Influence of the transcriptional activity of the target genes on RNAi (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KAKUTANI, Yukari; OCHIAI, Eri; MATSUOKA, Hideaki; SAITO, Mikako
- 1G2-41*** In vitro permeability assays using perfusable 3D-human blood capillary tissues constructed by cell accumulation. (Grad. Sch. Eng., Osaka Univ.) MATSUSAKI, Michiya; HIKIMOTO, Daichi; AKASHI, Mitsuru
- 1G2-43**** Bio-inspired microfluidic platform to control cell functions (iCeMS, Kyoto Univ.) KAMEI, Ken-ichiro; MASHIMO, Yasumasa; KOYAMA, Yoshie; YOSHIOKA, Momoko; NAKAJIMA, Minako; FOCKENBERG, Christopher; CHEN, Yong
- 1G2-45*** High-throughput screening platform of engineered cellular micro-environments for human pluripotent stem cells (iCeMS, Kyoto Univ.) MASHIMO, Yasumasa; KAMEI, Ken-ichiro; FOCKENBERG, Chris; LIU, Li; KOYAMA, Yoshie; CHEN, Yong

Chair: MURAKAMI, Tatsuya (16 : 40~17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(1G2-47, 1G2-49, 1G2-50, 1G2-51, 1G2-52)
- 1G2-47*** Analysis of differentiation-dependency connexin in mouse ES cells (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) SAITO, Mikako; ASAI, Yuma; TANAKA, Tento; MATSUOKA, Hideaki
- 1G2-49** Construction of Three Dimensional Bio-Pacemaker Tissues Derived from Embryonic Stem / Induced Pluripotent Stem Cells by Fabrication of Layer-by-Layer Nanofilms (Sch. Eng., Osaka Univ.) IGARASHI, Takuya; NISHIGUCHI, Akihiro; MATSUSAKI, Michiya; SAITOU, Yukihiko; NAKAMURA, Kazufumi; ITOU, Hiroshi; AKASHI, Mitsuru
- 1G2-50** Electrostimulation of mouse embryoid body embedded in CNT-GelMA hydrogel (Grad. Sch. Environmental Studies, Tohoku Univ.) YAMADA, Shukuyo; SHIKU, Hitoshi; INO, Kosuke; MATSUE, Tomokazu; AZCON, Javier ramon
- 1G2-51** Effect of layer-by layer nanofilm on measurement of cell adhesion force using AFM. (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) HASHIZUME, Yui; MISHIMA, Mari; KAWAMURA, Ryuuzou; TAMURA, Masato; MATSUI, Hirofumi; NAKAMURA, Chikashi
- 1G2-52** Control of adhesion force of cell array in cell separation using nanoneedle array. (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) MIYAZAKI, Minami; KAWAMURA, Ryuzo; SATHULURI, Ramachandra Rao; KOBAYASHI, Takeshi; IJIMA, Masumi; KURODA, Shun'ichi; IWATA, Futoshi; NAKAMURA, Chikashi

Chair: NAKAMURA, Chikashi (17 : 50~18 : 40)

- * 17:40-17:50: interval for laptop PC connection.(1G2-54, 1G2-56, 1G2-57, 1G2-58)
- 1G2-54*** Electrical retrieval method for environmental microorganisms using a potential-controlled ITO electrode (JAMSTEC) KOYAMA, Sumihiko; KONISHI, Masa-aki; OHTA, Yukari; MIWA, Tetsuya; HATADA, Yui; TOYOFUKU, Takashi; MARUYAMA, Tadashi; NOGI, Yuichi; KATO, Chiaki; TSUBOUCHI, Taishi

- 1G2-56** Construction of a functionally hairy bacterium : bacterial cells covered with fluorescent hair developed from a nanofiber protein, AtaA (Sch. Eng., Nagoya Univ.) KANIE, Junichi; NAKATANI, Hajime; HORI, Katsutoshi
- 1G2-57** Preparation and Characterization of photodegradable gel-coated cells (Grad. Sch. Eng., The Univ. of Tokyo) SAKAI, Yoko; YAMAGUSHI, Satoshi; OKAMOTO, Akimitsu
- 1G2-58** Development of a cell chip system for detection of circulating tumor cells (AIST Health Research Institute) YAMAMURA, Shohei; ABE, Kaori; YATSUSHIRO, Shouki; BABA, Yoshinobu; KATAOKA, Masatoshi

Friday, March 28, AM

Chair: MURAOKA, Takahiro (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2G2-01, 2G2-02, 2G2-03, 2G2-04, 2G2-05, 2G2-06)
- 2G2-01** Introduction of hydrocarbon chains possessing the terminal unsaturated bond into the esterifying chains of bacteriochlorophyll *c* by pigment biosynthesis (Fac. Sci. Eng., Kinki Univ.; Ritsumeikan Univ. Grad. Sch. Life Sci.) SAGA, Yoshitaka; HAYASHI, Keisuke; TAMIAMI, Hitoshi
- 2G2-02** Synthesis of amphiphilic bacteriochlorophyll *a* derivatives as artificial energy acceptors in lipid layers (Fac. Sci. Eng., Kinki Univ.; Ryukoku Univ. Fac. Sci. Eng.; Ritsumeikan Univ. Grad. Sch. Life. Sci.) TAKAHASHI, Naoya; MIYATAKE, Tomohiro; TAMIAMI, Hitoshi; SAGA, Yoshitaka
- 2G2-03** PDT activities of hexaarginines possessing the chlorin macrocycles to cancer cells (Fac. Sci. Eng., Kinki Univ.) SAGA, Yoshitaka; NAGATA, Shogo; IWAMORI, Masao
- 2G2-04** Solvent effects on complexation of zinc chlorophyll derivatives and oligopeptides (Ryukoku Univ.) MIYATAKE, Tomohiro; HASUNUMA, Yuki; WATANABE, Mikiya
- 2G2-05** Self-assembly of zinc chlorophyll derivatives with water-soluble polymers (Ryukoku Univ) MIYATAKE, Tomohiro; OKI, Hisato; HASUNUMA, Yuki
- 2G2-06** Preparation of liposome containing chlorophyll derivatives in a lipid bilayer (Ryukoku Univ.) MIYATAKE, Tomohiro; NAKAYAMA, Souichi

Chair: SAGA, Yoshitaka (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2G2-08, 2G2-09, 2G2-10, 2G2-11, 2G2-12, 2G2-13)
- 2G2-08** Self-aggregation of synthetic chlorophyll-*c*₁ derivative (Grad. Sch. Life Sci., Ritsumeikan Univ.) TAMIAMI, Hitoshi; SHIMAZAKI, Shohei; SHOJI, Sunao
- 2G2-09** Synthesis of zinc chlorophyll derivatives and their self-aggregation on mesoporous silica (Ritsumeikan Univ. Grad. Sch. Life Sci.) TAMIAMI, Hitoshi; MIYANAGA, Takuya; SHOJI, Sunao; GOTO, Yasutomu; INAGAKI, Shinji
- 2G2-10** Synthesis of chlorin-porphyrin conjugates and their optical properties (Grad. Sch. Life Sci., Ritsumeikan Univ.) TAMIAMI, Hitoshi; NAKAMURA, Takahiro; SHOJI, Sunao
- 2G2-11** Novel methods to prepare 3-epoxy, 3-formyl, and 3-acetyl chlorins from methyl pyropheophorbide-*a* based on iodohydrin chemistry (Grad. Sch. Eng., Utsunomiya Univ.) OBA, Toru; MASUYA, Takuto; YASUDA, Satoru; ITO, Satoshi
- 2G2-12** Fabrication of Dendrimers with a Zinc Chlorophyll Cyclic Tetramer as a Core (Coll. Sci. Tech., Nihon Univ.) SHINOZAKI, Yoshinao; OTSUKI, Joe
- 2G2-13*** Synthesis and Characterization of a Water-Soluble and Saddle-Distorted Porphyrin (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) OCHIAI, Hidemi; ISHIZUKA, Tomoya; KOTANI, Hiroaki; KOJIMA, Takahiko

Chair: ONODA, Akira (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2G2-15, 2G2-16, 2G2-18, 2G2-20)
- 2G2-15*** Conjugation of metallo-supramolecular oligomers and calf-thymus DNA (NIMS Electronic functional materials group) UTPAL, Rana; HIGUCHI, Masayoshi
- 2G2-16**** Improved sequence specific DNA alkylation by Pyrrole-Imidazole Polyamides to modulate gene expression (Grad. Sch. Sci., Kyoto Univ.) TAYLOR, Rhys; KAWAMOTO, Yusuke; ASAMITSU, Sefan; YAMAMOTO, Makoto; TAKENAKA, Tomohiro; HASHIYA, Kaori; NAGASE, Hiroki; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 2G2-18*** Development of a Stimuli-Responsive Membrane-Embedded Amphiphile (IMRAM, Tohoku Univ.; Grad. Sch. Eng., The Univ. of Tokyo; JST-PRESTO) MURAOKA, Takahiro; ENDO, Takahiro; TABATA, Kazuhito; NOJI, Hiroyuki; KINBARA, Kazushi
- 2G2-20** Development of Mitochondria-Specific Molecular Oxygen Sensor using Cationic Iridium Complexes (Gunma Univ. Fac. Sci. and Tech.) YOSHIHARA, Toshitada; MURAYAMA, Saori; KIKUCHI, Toshiki; TOBITA, Seiji

Friday, March 28, PM

Chair: MURAKAMI, Tatsuya (14 : 10~15 : 10)

- * 14:00-14:10: interval for laptop PC connection.(2G2-32, 2G2-33, 2G2-34, 2G2-36, 2G2-37)

- 2G2-32** Synthesis and antioxidative activity of the catalase mimic chelating metal ions (Urban Environmental Sci., Tokyo Metropolitan Univ.) MATSUHO, Motoyuki; YAMAGUCHI, Shohei; MATSUO, Takafumi; ASAYAMA, Shoichiro; KAWAKAMI, Hiroyoshi
- 2G2-33** Interaction studies between serum albumins and 2-anthracenecarboxylate by Saturation Transfer Difference method (IMRAM, Tohoku Univ.) ARAKI, Yasuyuki; NISHIJIMA, Masaki; YOSPANYA, Wijak; OKUGI, Mitsuru; INOUE, Yoshihisa; WADA, Takehiko
- 2G2-34*** Study of Flavin-mediated Extracellular Electron Transport (Grad. Sch. Eng., The Univ. of Tokyo) OKAMOTO, Okamoto; NAKAMURA, Ryuhei; HASHIMOTO, Kazuhito
- 2G2-36** Synthesis and photochemical characterization of porphyrin-centered glutamic acid terminal dendrimer (Sch. Biosci. Biotech., Tokyo Tech) ODAI, Shunsuke; YABA, Akira; ITO, Hidehiro; KUROKAWA, Hiromi; KAMACHI, Toshiaki
- 2G2-37** Development of activatable photosensitizer for photodynamic therapy (Gunma Univ. Faculty of Science and Technology) HORIUCHI, Hiroaki; KURIBARA, Ryota; KANO, Takayuki; OKUTSU, Tetsuo

Chair: KAMACHI, Toshiaki (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(2G2-39, 2G2-40, 2G2-41, 2G2-43, 2G2-44)
- 2G2-39** Hexaphyrin-High-density Lipoprotein Nanoparticle for Near-infrared Photothermal Heating (Grad. Sch. Eng., Kyoto Univ.; iCeMS, Kyoto Univ.) HIGASHINO, Tomohiro; NAKATSUJI, Hirotsuka; INADA, Mami; OKAMOTO, Haruki; MURAKAMI, Tatsuya; IMAHORI, Hiroshi
- 2G2-40** Near-infrared absorbing diradical complexes for cancer theranostics (Grad. Sch. Environmental Studies, Tohoku Univ.) TAMURA, Kousaku; MASUYA, Atsuko; HOSHINO, Hitoshi; IKI, Nobuhiko
- 2G2-41*** Anticancer activities of some mesogenic compounds possessing a terminal hydroxy group against A549 lung cancer cells (Hirotsuka Univ.) FUKUSHI, Yukako; YOSHINO, Hironori; ISHIKAWA, Junya; SAGISAKA, Masanobu; KASHIWAKURA, Ikuo; YOSHIZAWA, Atsushi
- 2G2-43** Synthesis of novel water-soluble tetrabenzoporphyrins and their application for PDT photosensitizer (Grad. Sch. Eng., Utsunomiya Univ.) FURUYA, Masaru; SAITO, Yu-ki; HORIUCHI, Hiroaki; OBA, Toru; ITO, Satoshi
- 2G2-44*** Oxidative damage of amino acid residue of protein photosensitized by P(V)porphyrin through electron transfer and singlet oxygen generation (Grad. Sch. Eng., Shizuoka Univ.) OUYANG, Dongyan; HIRAKAWA, Kazutaka

Chair: MIKATA, Yuji (16 : 30~17 : 20)

- * 16:20-16:30: interval for laptop PC connection.(2G2-46, 2G2-47, 2G2-48, 2G2-49, 2G2-50)
- 2G2-46** Development of a New Method to Synthesize Pyrrole-Imidazole Polyamide for Long Base Pairs (Grad. Sch. Sci., Kyoto Univ.) KAWAMOTO, Yusuke; ASAMITSU, Sefan; YAMAMOTO, Makoto; HASHIYA, Kaori; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 2G2-47** Sequence specific alkylation by rationally designed PI-polyamide-chlorambucil conjugates (Grad. Sch. Sci., Kyoto Univ.) ASAMITSU, Sefan; KAWAMOTO, Yusuke; HASHIYA, Fumitaka; KIZAKI, Seiichiro; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 2G2-48** Specific Alkylation of Human Telomere Repeat Sequence by a Tandem Hairpin Motif of Pyrrole-Imidazole Polyamides with Indole-seco-CBI (Grad. Sch. Sci., Kyoto Univ.) YAMAMOTO, Makoto; BANDO, Toshikazu; KAWAMOTO, Yusuke; TALOR, Rhys; HASHIYA, Kaori; SUGIYAMA, Hiroshi
- 2G2-49** Construction of the supramolecular structure by porphyrin DNA conjugate (FIRST, Konan Univ.) KAWAMURA, Naoto; MURASHIMA, Takashi
- 2G2-50** Synthesis of the functional molecules consisting of Porphyrin and DNA (FIRST, Konan Univ.) ISHIDA, Ryuma; KAWAMURA, Koji; MURASHIMA, Takashi

Saturday, March 29, AM

Chair: KITAGISHI, Hiroaki (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3G2-01, 3G2-02, 3G2-03, 3G2-04, 3G2-05, 3G2-06)
- 3G2-01** Fluorescent response of quinoline-based tris(2-pyridylmethyl)amine (TPA) analogs toward zinc ion (Grad. Sch. Human. Sci., Nara Women's Univ.) NODOMI, Yuki; MIKATA, Yuji
- 3G2-02** Quantitative fluorescent detection of zinc ion with isoquinoline-based probe (Fac. Sci., Nara Women's Univ.) OHNISHI, Risa; UGAI, Anna; MIKATA, Yuji
- 3G2-03** Fluorescence property of TQEN derivatives toward zinc ion in aqueous solution (Grad. Sch. Human. Sci., Nara Women's Univ.) TAKEUCHI, Saaya; MIKATA, Yuji
- 3G2-04** Synthesis and Host-Guest Properties of Cyclophane Dimers Based on Disulfide Linkage (Fac. Sci., Fukuoka Univ.) KOJIMA, Keiko; HAYASHIDA, Osamu
- 3G2-05** Guest-binding, Cellular Uptake, and Molecular Delivery of Water-soluble Cyclophanes Having a Rhodamine Moiety (Fac. Sci., Fukuoka Univ.) KAKU, Yu; KOJIMA, Keiko; HAYASHIDA, Osamu
- 3G2-06** Complexation of cysteine-modified cyclodextrins with tryptophan

(Fac. Life Env. Sci., Shimane Univ.) YOSHIKIYO, Keisuke; MATSUI, Yoshihisa; YAMAMOTO, Tatsuyuki

Chair: HAYASHIDA, Osamu (10 : 10~10 : 40)

- * 10:00-10:10: interval for laptop PC connection.(3G2-08, 3G2-09, 3G2-10)
- 3G2-08** Cellular Uptake of the Inclusion Complex with Octaarginine-conjugated Cyclodextrins (Fac. Sci. Eng., Doshisha Univ.) CHAI, Fumihiko; KITAGISHI, Hiroaki; KANO, Koji
- 3G2-09** Cadmium-specific fluorescent response of quinoline-based o-phenylenediamine derivatives (Fac. Sci., Nara Women's Univ.) KIZU, Asako; MIKATA, Yuji
- 3G2-10** Cadmium ion-selective fluorescent response of amine compounds with quinoline moieties (Grad. Sch. Human. Sci., Nara Women's Univ.) TAKEKOSHI, Ayaka; MIKATA, Yuji

Saturday, March 29, PM

Medical

Chair: KATAYAMA, Yoshiki (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3G2-26, 3G2-27, 3G2-28, 3G2-29, 3G2-30, 3G2-31)
- 3G2-26** The effect of n-propyl gallate on aminolevulinic acid-mediated photodynamic diagnosis (Grad. Sch. Biosci. Biotech., Tokyo Tech) HIRANO, Tomohisa; HAGIYA, Yu-ichiro; FUKUHARA, Hideo; INOUE, Keiji; SHUIN, Taro; INOUE, Katsushi; TANAKA, Tohru; OKURA, Ichiro; OGURA, Shun-ichiro
- 3G2-27** The effect of 5-aminolevulinic acid as the HSP90 inhibitor on tumor cells (Grad. Sch. Biosci. Biotech., Tokyo Tech) ITO, Kensuke; HAGIYA, Yu-ichiro; ISHIZUKA, Masahiro; NAKAJIMA, Motowo; TANAKA, Tohru; OKURA, Ichiro; OGURA, Shun-ichiro
- 3G2-28** The effect of iron ion on the photodynamic therapy using 5-aminolevulinic acid (Grad. Sch. Biosci. Biotech., Tokyo Tech) HAYASHI, Maiko; FUKUHARA, Hideo; INOUE, Keiji; SHUIN, Taro; TANAKA, Tohru; OKURA, Ichiro; OGURA, Shun-ichiro
- 3G2-29** Photodynamic activities of human serum albumin-metalloporphyrin complexes and their action mechanism (Fac. Sci. Eng., Chuo Univ.) AKIYAMA, Motofusa; HATTORI, Shugo; KOMATSU, Teruyuki
- 3G2-30** The photodynamic therapy agent using fullerene content liposome corresponding to low oxygen environment (Fac. Sci., Shibaura Inst. of Tech.) YAMAMOTO, Rie; NAKASATO, Haruka; SHINZAKI, Rei; KONISHI, Toshifumi
- 3G2-31** Development of the chlorin palladium complex bearing two kinds of substituent groups (University of Yamanashi, Univ. of Yamanashi; Univ. of Tsukuba) AKAHOSHI, Hayato; FUJITAKE, Kasumi; OBATA, Makoto; MATSUI, Hirofumi; TAMURA, Masato; HIROHARA, Shiho

Medical

Chair: OGURA, Shun-ichiro (14 : 20~15 : 30)

- * 14:10-14:20: interval for laptop PC connection.(3G2-33, 3G2-34, 3G2-35, 3G2-37, 3G2-38, 3G2-39)
- 3G2-33** Synthesis and photocytotoxicity of the porphyrin of composed two substituents (Ube National College of Technology; University of Yamanashi; University of Tsukuba) SHIRAIISHI, Masahiro; FUJITAKE, Kasumi; TOMIYAMA, Taishi; FUJIYAMA, Shinji; OBATA, Makoto; MATSUI, Hirofumi; TAMURA, Masato; HIROHARA, Shiho
- 3G2-34** Development of a bi-color fluorescent cell phantom for laser hyperthermia (Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.) TAKAHASHI, Aya; IWAI, Kaoru; ISHIDA, Akito
- 3G2-35*** The development of the new anticancer medicine using soluble taxol (Fac. of Sci., Okayama Univ. of Sci.) HAMADA, Hiroki; SENO, Masaharu; MANDAI, Tadakatsu
- 3G2-37** Branched polyethylenimine-based gene carrier for tumor-selective gene expression system (Grad. Sch. Eng., Kyushu Univ.) NAKAMURA, Yuta; SATO, Hikari; TAHARA, Yu; YAMAMOTO, Tatsuhiko; KISHIMURA, Akihiro; MORI, Takeshi; KATAYAMA, Yoshiki
- 3G2-38** Effect of Acidic Polymers on Hydroxyapatite Mineralization in Simulated Body Fluids (Fac. Eng., Tokyo Univ. of Sci.) IZUMI, Takaaki; IJIMA, Kazutoshi; HASHIZUME, Mineo
- 3G2-39** Synthesis and property of hemoglobin-albumin clusters with different albumin-binding number (Fac. Sci. Eng., Chuo Univ.) YAMADA, Kana; KIMURA, Takuya; KOMATSU, Teruyuki

Chair: SAITO, Masato (15 : 40~16 : 50)

- * 15:30-15:40: interval for laptop PC connection.(3G2-41, 3G2-42, 3G2-44, 3G2-46, 3G2-47)
- 3G2-41** Preparation of Hydroxyapatite-Coated Polystyrene Substrate by Utilizing Protein Adsorption Layers and its Application for Cell Scaffolds (Fac. Eng., Tokyo Univ. of Sci.; National Center for Child Health and Development Department of Pediatric Hematology and Oncology Research) SUZUKI, Ryo; IJIMA, Kazutoshi; KOMORI, Akinori; KIYOKAWA, Nobutaka; HASHIZUME, Mineo
- 3G2-42*** Co-axial double layered gel fibers of biopolymers fabricated by three-dimensional sheath flow microfluidic device as 3D cell culture scaffolds to form

Thursday, March 27, PM

Lipid/Biomembrane

Chair: DEWA, Takehisa (14 : 20~15 : 20)

tissue engineered constructs (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; Grad. Sch. Fundamental Sci. Eng., Waseda Univ.; Inst. Nanosci. & Nanotech., Waseda Univ.) TAKEDA, Naoya; NAKAMURA, Yutaro; OKU, Hitomi; SEKINE, Rui; ITO, Junichi; YOON, Donghyun; ARISAKA, Yoshinori; SEKIGUCHI, Tetsushi; SHOJI, Shuichi

3G2-44* One-Step Assembly of Metal-Polyphenol Complexes for Biocompatible Film Engineering (IIS, The Univ. of Tokyo) EJIMA, Hirotsuka; CARUSO, Frank

3G2-46 Culture of neural stem/progenitor cells on gamma-irradiation-cross-linked polyvinyl alcohol gels with different mechanical properties (Grad. Sch. Sci., Osaka Pref. Univ.) MORI, Hideki; OTA, Airo; HARA, Masayuki

3G2-47 Studies on wool keratin hydrogel (Grad. Sch. Sci., Osaka Pref. Univ.) OZAKI, Yuki; TAKAGI, Yusuke; MORI, Hideki; HARA, Masayuki

Chair: ISHIDA, Akito (17 : 00~17 : 50)

* 16:50-17:00: interval for laptop PC connection.(3G2-49, 3G2-50, 3G2-51, 3G2-52)

3G2-49 Microbial degradation of fluorotelomer compound containing methylene group in the molecular chain. (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; UNIMATEC CO.,LTD.) NAKATA, Shintaro; TOKUHISA, Takahito; SATO, Katsuyuki; SONOI, Takehiro; TATSU, Haruyoshi; MATSUNAGA, Tadashi; ARAKAKI, Atsushi

3G2-50 Investigation of the effects of wavelength-selective UV-C radiation on non-enveloped virus inactivation (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) NOGARIYA, Osamu; TANAKA, Masayoshi; FUKUYO, Ayumi; AMEMIYA, Yosuke; NAGAO, Tomokazu; NAKAYAMA, Tsuruo; MATSUNAGA, Tadashi; TANAKA, Tsuyoshi

3G2-51 Capillary-driven continuous-flow PCR microfluidic device for rapid pathogen gene detection (Grad. Sch. Eng., Osaka Univ.) TACHIBANA, Hiroaki; SAITO, Masato; TSUJI, Koji; KEIICHIRO, Yamanaka; TAMIYA, Eiichi

3G2-52* Local redox cycling-based electrochemical system for multipoint detection (Grad. Sch. Environmental Studies, Tohoku Univ.) INO, Kosuke; KANNO, Yusuke; SHIKU, Hitoshi; MATSUE, Tomokazu

Chair: TANAKA, Tsuyoshi (18 : 00~18 : 30)

* 17:50-18:00: interval for laptop PC connection.(3G2-55, 3G2-57)

3G2-55* Accelerated hydrolysis of the protein under the microwave irradiation and application to proteomics analysis (KIT Fac. of CSSE; Fac. Sci. Technol., Tokyo Univ. of Sci.) SHIRAIISHI, Arata; YOSHIMURA, Takeo; OHUCHI, Shokichi

3G2-57 Construction and analysis of a metagenomic library from a *Halichondria okadai* (Fac. Sci., Kanagawa Univ.) ABE, Takahiro; AKIYAMA, Kiyotaka; MIYAMOTO, Kenji; SAKAKIBARA, Yasubumi; NAITO, Takayuki; UEMURA, Daisuke

Room G3

Liberal Arts & Sciences Main Building
C22

Biofunctional Chemistry ; Biotechnology

Thursday, March 27, AM

Metalloprobe

Chair: HITOMI, Yutaka (11 : 10~12 : 10)

* 11:00-11:10: interval for laptop PC connection.(1G3-14, 1G3-15, 1G3-16, 1G3-17, 1G3-18, 1G3-19)

1G3-14 Emission ratiometric sensing using AM contact mechanism and the biological application (Grad. Sch. Pharm., Kyushu Univ.) TAKASHIMA, Ippei; KINOSHITA, Miyuki; KAWAGOE, Ryosuke; SUGIMOTO, Manabu; HAMACHI, Itaru; OJIDA, Akio

1G3-15 Ratiometric Fluorescence sensing of Hydrogen Sulfide Based on Arene-Metal ion contact (Grad. Sch. Pharm., Kyushu Univ.) KAWAGOE, Ryosuke; TAKASHIMA, Ippei; OJIDA, Akio

1G3-16 Highly sensitive and selective ratiometric fluorescence sensing of silver ion based on AM contact mechanism (Grad. Sch. Pharm., Kyushu Univ.) KANEGAE, Anna; TAKASHIMA, Ippei; OJIDA, Akio

1G3-17 Cellular uptake of a supramolecular CO receptor (Fac. Sci. Eng., Doshisha Univ.) MINAMI, Keiko; KITAGISHI, Hiroaki; KANO, Koji

1G3-18 Removal effects of endogenous CO by a supramolecular CO receptor (Fac. Sci. Eng., Doshisha Univ.) YUMURA, Aki; KITAGISHI, Hiroaki; NEGI, Shigeru; SUGIURA, Yukio; KANO, Koji

1G3-19 Synthesis of new bismuth fluorophores and application to cell imaging (Gifu Pharm. Univ.) NISHIGAKI, Kenta; NAGASAWA, Hideko; OKUDA, Kensuke; HIRAYAMA, Tasuku

Friday, March 28, AM

Protein

Chair: YATSUNAMI, Rie (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2G3-01, 2G3-03, 2G3-04, 2G3-05, 2G3-06)

2G3-01* Functional and photoreaction study of light-driven sodium ion pump (Nagoya Inst. of Tech. Grad. Sch. Eng.) KATO, Yoshitaka; INOUE, Keiichi; ONO, Hikaru; YOSHIKUNI, Rei; KANDORI, Hideki

2G3-03 Solution dynamics reveals the structure and the function of an insoluble protein KAP8.1 (Grad. Sch. Eng., The Univ. of Tokyo; Grad. Sch. Frontier Sci., The Univ. of Tokyo; Niigata Univ. Graduate School of Medical and Dental Sciences; RCAST, The Univ. of Tokyo; IMS, The Univ. of Tokyo) GANBAT, Javkhan; MATSUNAGA, Ryo; AKIBA, Hiroki; SHIMOMURA, Yutaka; ARAI, Osamu; IWANARI, Hiroko; HAMAKUBO, Takao; TSUMOTO, Kouhei

2G3-04 Spectrometric and calorimetric analyses of PHB2 that is a pleiotropic protein with multiple functions (IMS, The Univ. of Tokyo) CHIGIRA, Takeru; NAGATOISHI, Satoru; KATAGIRI, Toyomasa; TSUMOTO, Kouhei

2G3-05 Functional analysis of Aryl Alcohol Oxidase from *Trichoderma reesei* (Fac. Eng., Tokyo Univ. of Agri. and Technol.) MAEGAKI, Yoshiki; LIU, Yuan; TAKEDA, Kouta; SHIMOFUSA, Hiroki; YOSHIDA, Makoto; NAKAMURA, Nobuhumi; OHNO, Hiroyuki

2G3-06 Crystal structure of the PQQ domain of a novel sugar dehydrogenase from basidiomycete (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEDA, Kouta; ISHIDA, Takuya; MATUMURA, Hirotsuki; YOSHIDA, Makoto; IGARASHI, Kiyohiko; SAMEJIMA, Masahiro; NAKAMURA, Nobuhumi; OHNO, Hiroyuki

Chair: YAMAGUCHI, Hiroyasu (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2G3-08, 2G3-09, 2G3-10, 2G3-11, 2G3-12)
- 2G3-08** Improvement of cholesterol oxidase stability by the structural comparison with enzymes in GMC oxidoreductase family (Fac. Eng., Tokyo Univ. of Agri. and Technol.) SHIOTA, Masaki; SAKAI, Genki; SAITO, Shoko; KOJIMA, Katsuhiko; FERRI, Stefano; TSUGAWA, Wakako; SODE, Kouji
- 2G3-09** Screening and characterization of lactate dehydrogenases from acetic acid bacteria *Glucobacter* spp. (Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKAGI, Eri; KOJIMA, Katsuhiko; SAITO, Shoko; SODE, Kouji; TSUGAWA, Wakako
- 2G3-10** Engineering of glucose oxidase by introducing mutations at the residues responsible for oxidative half reaction (Fac. Eng., Tokyo Univ. of Agri. and Technol.) SAITO, Shoko; MAEDA, Chihiro; KOJIMA, Katsuhiko; FERRI, Stefano; TSUGAWA, Wakako; SODE, Kouji
- 2G3-11** Archaea functionally express tungsten transporters that are essential for proliferation. (Grad. Sch. Eng., Kyoto Univ.) HASHIMOTO, Hayato; KUROKAWA, Tatsuki; KIYONAKA, Shigeki; KANAI, Tamotsu; ATOMI, Haruyuki; MORI, Yasuo
- 2G3-12*** Structure and functions of TIMP-like proteins regulating the fibrous structure of Pteria penguin Mabe pearl shell (Grad. Sch. Life Sci., Tohoku Univ.) AOKI, Masaru; SAEKI, Yuri; MURAMOTO, Kouji; NAGANUMA, Takako; OGAWA, Tomohisa

Chair: SODE, Kouji (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2G3-15, 2G3-16, 2G3-17, 2G3-19, 2G3-20)
- 2G3-15** Construction of functional fluorescent Uricase fusion protein for characterization of urate transporters (Sch. Pharm., TUPLS) NAKAMURA, Makiko; YAMANE, Chika; MITSUISHI, Shouhei; ICHIDA, Kimiyoshi
- 2G3-16** Changes in fibrillation property of tau-derived peptides by coexistence of a peptide with different amino acid sequence (Grad. Sch. Energy Sci., Kyoto Univ.) BABA, Ayumi; INOUE, Masafumi; NAKANO, Shun; KONNO, Takashi; NAKATA, Eiji; MORII, Takashi
- 2G3-17*** A MECHANISM DETERMINING SEQUENCE-SPECIFICITY FOR SUBSTRATE RECOGNITION OF DNA/RNA-BINDING PROTEIN, TDP-43 (Fac. Sci. Tech., Keio Univ.) FURUKAWA, Yoshiaki; SUZUKI, Yo; SHIMIZU, Hideaki
- 2G3-19** Relationship between the substrate-binding fashion and fluorescent intensity in pyrene-modified adenylate kinase. (Grad. Sch. Mat. Sci., NAIST) FUJII, Akira; MATSUO, Takashi; HIROTA, Shun
- 2G3-20** C50 carotenoid biosynthesis in Haloarchaea: Construction of disruptants and analysis of carotenoids produced by the disruptants (Grad. Sch. Biosci. Biotech., Tokyo Tech; Nippon Medical school Biological Laboratory) YATSUNAMI, Rie; YANG, Ying; ANDO, Ai; MIYOKO, Nobuhiro; TAKAICHI, Shinichi; FUKUI, Toshiaki; NAKAMURA, Satoshi

Friday, March 28, PM

Biocatalysis

Chair: SHOJI, Mitsuru (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2G3-28, 2G3-29, 2G3-30, 2G3-31, 2G3-32, 2G3-33)
- 2G3-28** Effect of surface charge of liposomes for photoinduced hydrogen evolution using hydrogenase (Grad. Sch. Biosci. Biotech., Tokyo Tech) IWASAKI, Tatsuya; ITO, Hidehiro; OKURA, Ichiro; KAMACHI, Toshiaki
- 2G3-29** In vitro enzymatic hydration of the 3-vinyl group in chlorophyll derivatives (Ritsumeikan Univ. Grad. Sch. Life Sci.) TAMIYAKI, Hitoshi; TERAMURA, Misato; MIZOGUCHI, Tadashi; TSUKATANI, Yusuke; HARADA, Jiro
- 2G3-30** Asymmetric Henry Reaction Using Human Serum Albumin (Sch. Sci. Eng., Meisei Univ.) ASAKURA, Shota; MATSUMOTO, Kazutsugu
- 2G3-31** Phosonium alkylPEG sulfate ionic liquids as activating agents for lipase (Grad. Sch. Eng., Tottori Univ.) MATSUBARA, Yui; HARAMI, Hiroyuki; NOKAMI, Toshiki; ITOH, Toshiyuki
- 2G3-32** Stereoselectivity of 2-methylcycloalkanol by lipase-catalyzed transesterification (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) HIRAIWA, Kazusa; KAWAI, Akane; YAMAMOTO, Chieko; SAITO, Ayumi; OHTA, Sayo; KITAYAMA, Takashi
- 2G3-33** Studies on Construction of Chiral Silicon Center by Enzymatic Desymmetrization (Fac. of Sci., Okayama Univ. of Sci.) MIYATA, Hiroki; SAKAMOTO, Mariko; KUBOKI, Atsuhito; OHIRA, Susumu

Chair: KITAYAMA, Takashi (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2G3-35, 2G3-36, 2G3-37, 2G3-38, 2G3-39, 2G3-40)
- 2G3-35** Biotransformation using Submerged Aquatic Plants (Grad. Sch. Sci., Osaka Pref. Univ.) UJIGAWA, Kazuma; ONO, Megumi; OTANI, Yuta; KOJIMA, Hideo
- 2G3-36** The biotransformation of stilbene skeleton using plant cell cultured cells and glucose transferase derived from plant cultured cells (Fac. of Sci., Okayama Univ. of Sci.) SHIMODA, Kei; OKADA, Syouta; FUJITAKA,

Yuya; AKASHI, Tatsuya; KUBOTA, Naoji; OZAKI, Shinichi; HAMADA, Hiroki

- 2G3-37** Marvelous improved catalytic activity of S-selective arylmalonate decarboxylase by rational design (Fac. Sci. Tech., Keio Univ.) ENOKI, Junichi; MIYAUCHI, Yusuke; YOSHIDA, Shosuke; MIYAMOTO, Kenji
- 2G3-38** Design and synthesis of novel functional molecule-conjugated enzyme (Fac. Pharm., Keio Univ.) HANAYA, Kengo; SUGAWARA, Takahiro; SHOJI, Mitsuru; SUGAI, Takeshi
- 2G3-39** Development of Artificial Catalase by the complexes between Manganese/Porphyrin/Polyampholyte with Imidazole Groups (Tokyo Metropolitan Univ. Dept. of Applied Chem.) KUBOTA, Riku; ASAYAMA, Shoichiro; KAWAKAMI, Hiroyoshi
- 2G3-40** Electron transfer from photosystem II core complex to cyt *c*₆ inside nano-cavity in porous glass (Nagoya Inst. of Tech. Department of Frontier Materials) NOJI, Tomoyasu; SUZUKI, Takanao; KONDO, Masaharu; KAWAKAMI, Keisuke; JIN, Tetsuro; WATANABE, Mai; IKEUCHI, Masahiko; AZAI, Tomohiro; OH-OKA, Hirozo; NANGO, Mamoru; ITOH, Shigeru; DEWA, Takehisa

Saturday, March 29, AM

Biocatalysis

Chair: MATSUMOTO, Kazutsugu (9 : 00~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3G3-01, 3G3-03, 3G3-04, 3G3-06)
- 3G3-01*** Theoretical investigation on the reaction mechanism of threonine synthase: elucidation of the reaction specificity (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHOJI, Mitsuru; UJIE, Yuzuru; TANAKA, Wataru; KAYANUMA, Megumi; UMEMA, Hiroaki; MACHIDA, Yasuhiro; MURAKAWA, Takeshi; HAYASHI, Hideyuki
- 3G3-03** Regioselective Bioproduction of *p*-Hydroxybenzoic Acid from Benzoic Acid by Whole Cell Reaction of *Trichosporon moniliiforme* (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ANDO, Takuya; YOSHINO, Shuhei; KOBAYASHI, Keiichi; KIRIMURA, Kohtarō
- 3G3-04*** Influence of an amino acid residue around the active site of cytochrome P450BM-3 on the regio- and enantioselectivity for alcohol isomers from *n*-alkane (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MIYAJI, Akimitsu; MOTOKURA, Ken; BABA, Toshihide
- 3G3-06** Production of *trans*-Aconitic Acid from Citric Acid by Recombinant *Escherichia coli* Highly Expressing Aconitate Isomerase Gene (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) YUHARA, Kahori; IKEGAMI, Yuma; KOBAYASHI, Keiichi; KIRIMURA, Kohtarō

Chair: MIYAJI, Akimitsu (10 : 10~10 : 40)

- * 10:00-10:10: interval for laptop PC connection.(3G3-08, 3G3-09, 3G3-10)
- 3G3-08** Electrochemical protection for anaerobic corrosion by Sulfate-Reducing Bacteria, *Desulfovibrio vulgaris* (Grad. Sch. Eng., The Univ. of Tokyo) SHIIBASHI, Marina; NAKAMURA, Ryuhei; OKAMOTO, Akihiro; HASHIMOTO, Kazuhito
- 3G3-09** Extracellular electron transfer process of sulfate-reducing bacteria *Desulfovibrio ferrophilus* (Grad. Sch. Eng., The Univ. of Tokyo) DENG, Xiao; OKAMOTO, Akihiro; HASHIMOTO, Kazuhito
- 3G3-10** Proton-coupled extracellular electron transport in *Shewanella oneidensis* MR-1 (Fac. Eng., The Univ. of Tokyo) TOKUNOU, Yoshihide; KAKATHIL, Shafer; OKAMOTO, Akihiro; HASHIMOTO, Kazuhito

Saturday, March 29, PM

Sugar

Chair: SERIZAWA, Takeshi (14 : 30~15 : 40)

- * 14:20-14:30: interval for laptop PC connection.(3G3-34, 3G3-35, 3G3-37, 3G3-38, 3G3-39, 3G3-40)
- 3G3-34** Reactivity of sialyl donor protected by the oxazolidinone ring to each hydroxyl groups on galactose (Nagoya Inst. of Tech. materials science and engineering) KURIMOTO, Kenta; MIYAGAWA, Atsushi; YAMAMURA, Hatsuo
- 3G3-35*** Aglycon specificity analysis of calreticulin (Fac. Sci. and Technol., Seikei Univ.) HIRANO, Makoto; ADACHI, Yuka; ITO, Yukishige; TOTANI, Kiichiro
- 3G3-37** Processing of N-linked oligosaccharide of glycoproteins in the endoplasmic reticulum fraction (ERATO, JST; Grad. Sch. Sci., Osaka Univ.; RIKEN) MAKIMURA, Yutaka; IZUMI, Masayuki; FUJITA, Syoichi; NISHIHARA, Mica; ITO, Yukishige; KAJIHARA, Yasuhiro
- 3G3-38** Monitoring of the refolding process in endoplasmic reticulum by using chemically synthesized misfolded glycoproteins (ERATO, JST; Grad. Sch. Sci., Osaka Univ.; RIKEN) FUJITA, Shoichi; IZUMI, Masayuki; MAKIMURA, Yutaka; NISHIHARA, Mica; ITO, Yukishige; KAJIHARA, Yasuhiro
- 3G3-39** Analysis of mucin-type O-glycans in tumor cells by saccharide primer method (Fac. Sci. Tech., Keio Univ.) SAKURA, Ryuma; TAKAHASHI, Yoshihisa; SATO, Toshinori
- 3G3-40** Molecular recognition of glycolipids by fluorescent arginine derivatives (Grad. Sch. Eng., Tottori Univ.) MATSUURA, Kazunori;

SAKAMOTO, Ryota

Chair: TOTANI, Kiichiro (15 : 50~17 : 00)

- * 15:40-15:50: interval for laptop PC connection.(3G3-42, 3G3-43, 3G3-44, 3G3-45, 3G3-46, 3G3-47)
- 3G3-42** Hydrolysis of nucleotides by cellulose nanocrystals (Grad. Sch. Sci., Eng., Tokyo Tech) YATAKA, Yusuke; SAWADA, Toshiki; SERIZAWA, Takeshi
- 3G3-43** Hydrolysis of designed peptides by cellulose nanocrystals (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAJIMA, Sayuka; SAWADA, Toshiki; SERIZAWA, Takeshi
- 3G3-44** Cellulose nanocrystals as condensation catalysts (Grad. Sch. Sci., Eng., Tokyo Tech) HATA, Yuuki; SAWADA, Toshiki; SERIZAWA, Takeshi
- 3G3-45** Regioselective control of acetolysis of modified cyclodextrins (Nagoya Inst. of Tech. materials science and engineering) YOSHIDA, Aya; YAMAMURA, Hatsuo; MIYAGAWA, Atsushi; KANOU, Kazuki
- 3G3-46** Preparation and Preclinical Evaluation of IER5/Cdc25B Targeted Low-molecular-weight Phospha Sugar Antitumor Agents (Grad. Sch. Sci. Technol., Shizuoka Univ.; Grad. Sch. Eng., Shizuoka Univ.; Hamamatsu University School of Medicine Faculty of Medicine; Numazu National College of Technology Department of Material Engineering) YAMASHITA, Mitsuji; MAKITA, Reiko; YAMAOKA, Mayumi; FUJIE, Michio; NAKAMURA, Satoki; OSHIKAWA, Tatsuo; YAMASHITA, Junko; KONDO, Mitsuru; HIRAKAWA, Kazutaka; TODA, Mitsuo; TANAKA, Yasutaka; OHNISHI, Kazunori; SUGIMURA, Haruhiko
- 3G3-47*** Elucidation of the conformational dynamics of oligosaccharides by paramagnetism-assisted NMR approach (SOKENDAI Sch. Phys. Sci.; IMS OIIB; Grad. Sch. Pharm. Sci., Nagoya City Univ.; Grad. Sch. Sci., Nagoya Univ.; Ochanomizu Univ. Glycosci. Inst.) ZHANG, Ying; YAMAGUCHI, Takumi; YAMAMOTO, Sayoko; SAKAE, Yoshitake; OKAMOTO, Yuku; KATO, Koichi

Chair: MATSUURA, Kazunori (17 : 10~18 : 10)

- * 17:00-17:10: interval for laptop PC connection.(3G3-50, 3G3-51, 3G3-52, 3G3-53, 3G3-54, 3G3-55)
- 3G3-50** Synthesis of native and misfolded glycoproteins bearing a mono-glucosylated high-mannose type oligosaccharide and their activity as substrates of glucosidase II (Grad. Sch. Sci., Osaka Univ.; ERATO, JST; RIKEN) OKA, Yukiho; IZUMI, Masayuki; OKAMOTO, Ryo; TAKEDA, Yoichi; SEKO, Akira; ITO, Yukishige; KAJIHARA, Yssuhiro
- 3G3-51** Dimeric misfolded glycoprotein analog for the study of glycoprotein quality control system. (Grad. Sch. Sci., Osaka Univ.; ERATO, JST; RIKEN) KOMAKI, Shinji; IZUMI, Masayuki; OKAMOTO, Ryo; SEKO, Akira; TAKEDA, Yoichi; ITO, Yukishige; KAJIHARA, Yasuhiro
- 3G3-52** Synthetic study of small molecule substrates for ER endomannosidase (Fac. Sci. and Technol., Seikei Univ.) SAITO, Nobuhiko; KUBO, Karen; HIRANO, Makoto; TOTANI, Kiichiro
- 3G3-53** Bio-Functional Molecules by Sulfated Glycopolymer library (Grad. Sch. Eng., Kyushu Univ.) MIURA, Yoshiko; NISHIMURA, Yuri; NAKAMURA, Tadashi
- 3G3-54** Synthetic study on chondroitin sulfate tetrasaccharide partial structure (Grad. Sch. Sci., Eng., Kagoshima Univ.) MIYACHI, Kento; ICHIKI, Yukiko; KAKITSUBATA, Yuhei; WAKAO, Masahiro; SUDA, Yasuo
- 3G3-55** Synthesis of N-Acetylgalactosamine 4-Sulfate Derivatives having 1,2,3-Triazolyl Group at 1-Position (Aichi Univ. of Educ.) KATO, Kotaro; YAMAZAKI, Ayano; HABUCHI, Osami; NAKANO, Hirofumi

Sunday, March 30, AM

Chair: TAKEYAMA, Haruko (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4G3-01, 4G3-02, 4G3-03, 4G3-04, 4G3-05)
- 4G3-01** oxidation of organic substrates catalyzed by ferroxidase center of ferritin (Grad. Sch. Sci., Nagoya Univ.) SHIODA, Yasuhiro; NAKAJIMA, Hiroshi; WATANABE, Yoshihito; FUKUSHIMA, Takashi; YOSHIDA, Juri
- 4G3-02** Oxidation mechanism of organic substrates by ferroxidase centre in ferritin (Grad. Sch. Sci., Nagoya Univ.) YOSHIDA, Juri; SHIODA, Yasuhiro; NAKAJIMA, Hiroshi; WATANABE, Yoshihito
- 4G3-03** Investigation of the alpha synuclein super molecule aggregates formed in the presence of metal ion (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) LEE, Somin; ABE, Koichi; TAKABAYASHI, Oki; UCHIKURA, Yuki; SODE, Koji
- 4G3-04** Assembly of Photosensitizers in a Hemoprotein Hexamer (Grad. Sch. Eng., Osaka Univ.) MASHIMA, Tsuyoshi; OOHORA, Koji; HAYASHI, Takashi
- 4G3-05*** Supramolecular Hemoprotein Assembly Showing Heme-Heme Exciton Coupling (Grad. Sch. Eng., Osaka Univ.) OOHORA, Koji; FUJIMAKI, Nishiki; HAYASHI, Takashi

Chair: WATANABE, Yoshihito (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4G3-08, 4G3-10, 4G3-11, 4G3-12)
- 4G3-08*** Conformational Gating for the Electron Transfer Reaction from Cytochrome *c* to Cytochrome *c* Oxidase in Mitochondrial Respiratory Chain

(Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) IMAI, Mizue; IUNOE, Kaoru; SAKAMOTO, Koichi; UCHIDA, Takeshi; SHINZAWA-ITO, Kyoko; YOSHIKAWA, Shinya; ISHIMORI, Koichiro

- 4G3-10** Functional and structural significance of dehydration in protein folding of Cytochrome *c* and its molecular mechanism (Sch. Sci., Hokkaido Univ.; Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KONNO, Shohei; DOI, Kentaro; UCHIDA, Takeshi; ISHIMORI, Koichiro
- 4G3-11** Development of the flow system with an artificial oxygen lung aimed at measuring time-resolved IR spectra of the oxygen reduction reaction of cytochrome *c* oxidase. (Grad. Sch. Life Sci., Univ. of Hyogo) NISHIGUCHI, Tatsuhito; HIKITA, Masahide; ITOH-SHINZAWA, Kyoko; YOSHIKAWA, Shinya; NAKASHIMA, Satoru; OGURA, Takashi
- 4G3-12*** Domain swapping of cytochrome *c*₅₅₅ from hyperthermophilic bacteria (Grad. Sch. Mat. Sci., NAIIST) YAMANAKA, Masaru; NAGAO, Satoshi; KOMORI, Hirofumi; HIGUCHI, Yoshiki; HIROTA, Shun

Chair: ISHIMORI, Koichiro (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4G3-15, 4G3-16, 4G3-17, 4G3-18, 4G3-19, 4G3-20)
- 4G3-15** Spectroscopic studies on the interaction of cytochrome *c* with phospholipid bilayer membranes. (Grad. Sch. Mat. Sci., NAIIST) KOBAYASHI, Hisashi; KITADA, Yukie; NAGAO, Satoshi; HIROTA, Shun
- 4G3-16** Oligomerization of cytochrome *c* by interaction with *Escherichia coli* membrane (Grad. Sch. Mat. Sci., NAIIST) HAYASHI, Yugo; NAGAO, Satoshi; YAMANAKA, Masaru; KOMORI, Hirofumi; HIGUCHI, Yoshiki; HIROTA, Shun
- 4G3-17** Molecular structure and photochemical properties of oligomeric zinc-substituted hemoproteins (Grad. Sch. Mat. Sci., NAIIST) NAGAO, Satoshi; TOMIOKA, Yuya; MOROI, Maki; HIROTA, Shun
- 4G3-18** Zinc-regulated mechanism of intracellular copper transport system (Fac. Sci. Tech., Keio Univ.) WAKAHARA, Yuma; HONDA, Kazuki; FURUKAWA, Yoshiaki
- 4G3-19** Development of drugs inhibiting abnormal oligomerization of Cu,Zn-superoxide dismutase in amyotrophic lateral sclerosis (Fac. Sci. Tech., Keio Univ.) ANZAI, Itsuki; TOICHI, Keisuke; FURUKAWA, Yoshiaki
- 4G3-20** A disulfide-dependent regulation of Cu,Zn-superoxide dismutase activity (Fac. Sci. Tech., Keio Univ.) SAKURAI, Yasuyuki; FURUKAWA, Yoshiaki

Sunday, March 30, PM

Chair: HIROTA, Shun (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(4G3-28, 4G3-29, 4G3-31, 4G3-32)
- 4G3-28** Selection of H5 hemagglutinin-binding Peptides From Random Peptide Library by Phage Display Method (Fac. Sci. Tech., Keio Univ.) KURIYAMA, Ryunosuke; KORI, Haruka; MATSUBARA, Teruhiko; SATO, Toshinori
- 4G3-29*** Acquisition of Artificial Metal Complex by the Heme Acquisition Protein HasA and Resulting Inhibitory Effects Exerted on Heme Acquisition by These Complexes (Grad. Sch. Sci., Nagoya Univ.) SHIRATAKI, Chikako; SHOJI, Osami; TERADA, Mitsuyoshi; OZAKI, Shin-ichi; SUGIMOTO, Hiroshi; SHIRO, Yoshitsugu; WATANABE, Yoshihito
- 4G3-31** Development of a novel system for selective sterilization of *Pseudomonas aeruginosa* utilizing its heme acquisition protein HasA (Grad. Sch. Sci., Nagoya Univ.) IWAI, Yusuke; SHOJI, Osami; SHIRATAKI, Chikako; TERADA, Mitsuyoshi; SUGIMOTO, Hiroshi; SHIRO, Yoshitsugu; OZAKI, Shin-ichi; WATANABE, Yoshihito
- 4G3-32*** Development of Azurin-modified Electrode having the artificial function by chemical modification (RCMS, Nagoya Univ.) MIYAZAKI, Soushi; NAKAJIMA, Hiroshi; WATANABE, Yoshihito

Room G4

Liberal Arts & Sciences Main Building
C23

Chemical Biology

Thursday, March 27, PM

Chair: OIKAWA, Masato (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(1G4-33, 1G4-35, 1G4-36, 1G4-38)
- 1G4-33*** LDAl chemical protein labeling (1) Pulse chase analysis of membrane protein (Grad. Sch. Eng., Kyoto Univ.) MIKI, Takayuki; FUJISHIMA, Sho-hei; HAMACHI, Itaru
- 1G4-35** LDAl chemical protein labeling (2) Efficient labeling with multivalent reactive sites (Grad. Sch. Eng., Kyoto Univ.) AWA, Masashi; MIKI, Takayuki; TAKAOKA, Yousuke; HAMACHI, Itaru
- 1G4-36*** Development of detection method for histone deacetylase activity based on DNA binding dye (Grad. Sch. Eng., Osaka Univ.) MINOSHIMA,

Masafumi; MATSUMOTO, Tetsuaki; KIKUCHI, Kazuya

- 1G4-38** Examination of substrate sequence of fluorescent probe which affects detection of HDAC activity (Grad. Sch. Eng., Osaka Univ.) MATSUMOTO, Masumoto; MINOSHIMA, Masafumi; KIKUCHI, Kazuya

Chair: TANAKA, Katsunori (15 : 30~16 : 20)

- * 15:20-15:30: interval for laptop PC connection.(1G4-40, 1G4-42, 1G4-44)
1G4-40* Development of novel organelle-specific chemical labeling for proteomics (Grad. Sch. Eng., Kyoto Univ.) YASUEDA, Yuki; KURISHITA, Yasutaka; TAMURA, Tomonori; KUWATA, Keiko; KIYONAKA, Shigeki; TSUKIJI, Shinya; HAMACHI, Itaru
1G4-42* Synthesis and Functional Evaluation of Chiral Dendrimer-triamine Coordinated Gd-MRI Contrast Agents (Grad. Sch. Eng., Kyoto Univ.) MIYAKE, Yuka; KIMURA, Yu; MATSUDA, Tetsuya; IMAI, Hirohiko; TOSHIMITSU, Akio; KONDO, Teruyuki
1G4-44 Synthesis and Functional Evaluation of Novel Chiral Dendrimer Triamine-coordinated Gd-MRI Contrast Agent Conjugated with HER2 Antibody Fragment (ABERU) KIMURA, Yu; OKITSUKA, Masumi; MIYAKE, Yuka; KIJITORI, Hiroki; IMAI, Hirohiko; MATSUDA, Tetsuya; TOCHIO, Hidehito; SHIRAKAWA, Masahiro; YANO, Tetsuya; TOSHIMITSU, Akio; KONDO, Teruyuki

Chair: KIKUCHI, Kazuya (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(1G4-46, 1G4-48, 1G4-50)
1G4-46* Fluorescent imaging of intracellular protein by self-assembled nanoprobe (Grad. Sch. Eng., Kyoto Univ.) YOSHII, Tatsuyuki; MIZUSAWA, Keigo; TAKAOKA, Yousuke; HAMACHI, Itaru
1G4-48** Novel reversible fluorescent probes for glutathione and their application for intracellular live-imaging (Grad. Sch. Med., The Univ. of Tokyo) UMEZAWA, Keitaro; YOSHIDA, Masafumi; KAMIYA, Mako; URANO, Yasuteru
1G4-50* *In Vivo* Small Cancer Imaging Based on Novel Activatable Fluorescent Probes for Cathepsin B/L Activity (Grad. Sch. Med., The Univ. of Tokyo; Grad. Sch. Pharm., The Univ. of Tokyo; JST Basic Research Program) FUJII, Tomohiko; KAMIYA, Mako; URANO, Yasuteru

Chair: YOUSUKE, Takaoka (17 : 40~18 : 30)

- * 17:30-17:40: interval for laptop PC connection.(1G4-53, 1G4-54, 1G4-55, 1G4-56, 1G4-57)
1G4-53 Oxazoline formation for detection of posttranslationally hydroxylated lysine (Grad. Sch. Eng., The Univ. of Tokyo) SAKAMOTO, Ryosuke; HAYASHI, Gosuke; OKAMOTO, Akimitsu
1G4-54 Detection of post-translationally hydroxylated tyrosine by using the formation of boronate ester (Grad. Sch. Eng., The Univ. of Tokyo) YANASE, Masafumi; HAYASHI, Gosuke; OKAMOTO, Akimitsu
1G4-55 Studies of turn-on probes for Raman imaging (RCAST, The Univ. of Tokyo) URA, Manami; YAMAGUCHI, Satoshi; OKAMOTO, Akimitsu
1G4-56 Development of crosslink-type ZIP tag-probe system (IBB, Tokyo Med. and Dental Univ.) SAKAMOTO, Sho; OHASHI, Nami; NOMURA, Wataru; TAMAMURA, Hirokazu
1G4-57 Development of a PKC ligand binding assay method using FRET (IBB, Tokyo Med. and Dental Univ.) OHASHI, Nami; MINATO, Natsuki; NOMURA, Wataru; TAMAMURA, Hirokazu

Friday, March 28, AM

Chair: KITA, Masaki (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2G4-01, 2G4-02, 2G4-03, 2G4-04, 2G4-05, 2G4-06)
2G4-01 Isolation of ligan binding protein in the germination stage and analysis of its binding manner (Suntory Foundation for Life Science) TERA, Masayuki; MURATA, Jun; FURUKAWA, Ayako; HORIKAWA, Manabu
2G4-02 Studies on organophosphates in avian eggshell (Fac. Sci. Tech., Keio Univ.) ITO, Taku; HAMANO, Mariko; KATO, Suguru; SAIKAWA, Yoko; NAKATA, Masaya
2G4-03 Structure-activity relationship of sneeze-inducing compounds, grayanotoxins. (Fac. Sci. Tech., Keio Univ.) UBUKATA, Yusuke; ITO, Taku; AKIYOSHI, Yuma; INOUE, Daiki; SAIKAWA, Yoko; NAKATA, Masaya
2G4-04 Studies on the sneeze-inducing components from tentacle of *Chrysaora pacifica* (Fac. Sci. Tech., Keio Univ.) AKIYOSHI, Yuma; INOUE, Daiki; AKINO, Makiko; SAIKAWA, Yoko; NAKATA, Masaya
2G4-05 Selective Recognition and Photo-Degradation of Monosaccharides by Anthracene - Cyclodextrin Hybrids (Fac. Sci. Tech., Keio Univ.) MIYAZAKI, Yuki; NISHIBU, Miyuki; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu
2G4-06 Photo-Degradation of Proteins by Naturally Occurring Indole Alkaloids, Serotonin and Harmine (Fac. Sci. Tech., Keio Univ.) MURATA, Masaharu; MASUDA, Kanae; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu

Chair: SAIKAWA, Yoko (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(2G4-08, 2G4-09, 2G4-10, 2G4-11, 2G4-12)
2G4-08 Development of a Boronic Acid Based Artificial Receptor for a Neurotransmitter, L-DOPA (Fac. Sci. Tech., Keio Univ.) UENO, Haruna;

IWATA, Takayuki; KOSHIBA, Nozomi; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu

- 2G4-09** A Solid-Phase Labeling Method for Target-Selective Isolation and Modification of Proteins (Grad. Sch. Sci. Tech., Keio Univ.) HASUMI, Takahiro; KANEKO, Hajime; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu
2G4-10 SAR studies on multi-drug efflux transporter inhibitors synthesized based on SBDD (ISIR, Osaka Univ.) INOUE, Yuta; YAMASAKI, Seiji; SAKURAI, Keisuke; FURUSAWA, Hideaki; HIGUCHI, Yusuke; YAMAGUCHI, Akihito; KATO, Nobuo
2G4-11 Study on the analysis of binding mode of bioactive ligands on target proteins by pyrene probes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YONEDA, Kozo; KITA, Masaki; KIGOSHI, Hideo
2G4-12 Design and synthesis of aplyronine A analogs to induce protein-protein interaction (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) TANABE, Kenta; YONEDA, Kozo; HUTAKI, Kentaro; KITA, Masaki; KIGOSHI, Hideo

Chair: TAKAHASHI, Daisuke (11 : 10~12 : 10)

- * 11:00-11:10: interval for laptop PC connection.(2G4-14, 2G4-15, 2G4-16, 2G4-18)
2G4-14 Study on the binding site of target proteins with aplyronine A by using photoaffinity probes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) TSUCHIYA, Kota; YAMAGISHI, Kota; HIRAYAMA, Yuichiro; KITA, Masaki; KIGOSHI, Hideo
2G4-15 Study on the binding site of aplyronine A to its target proteins with genetically modified yeast (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) YAMAGISHI, Kota; HIRAYAMA, Yuichiro; TSUCHIYA, Kota; KITA, Masaki; USUI, Takeo; KIGOSHI, Hideo
2G4-16** Analytical Method for Visualizing Protein Clusters Responsible for Cell Death (Grad. Sch. Sci., The Univ. of Tokyo) NASU, Yusuke; BENKE, Alexander; ARAKAWA, Satoko; MANLEY, Suliana; SHIMIZU, Shigeomi; OZAWA, Takeaki
2G4-18** Bioluminescence analysis of relationship between the class of GPCR and temporal pattern of GPCR- β -arrestin interaction (Grad. Sch. Sci., The Univ. of Tokyo) HATTORI, Mitsuru; TANAKA, Miho; TAKAKURA, Hideo; OZAWA, Takeaki

Friday, March 28, PM

Chair: TANAKA, Katsunori (13 : 20~14 : 20)

- * 13:10-13:20: interval for laptop PC connection.(2G4-27, 2G4-29, 2G4-31)
2G4-27** Jasmonate glucoside activates K⁺ channel in *Samanea saman* through ROS production (Grad. Sch. Sci., Tohoku Univ.) YANG, Gangqiang; OIKAWA, Takaya; ISHIMARU, Yasuhiro; GENJI, Takahisa; SHIGENAGA, Miyuki; TANAKA, Keisuke; HAMAMOTO, Shin; TAMURA, Satoru; UOZUMI, Nobuyuki; UEDA, Minoru
2G4-29* Development of coronatine probes based on "Alkyne-tag Raman Imaging" and "Compact Molecular Probe", for the identification of its target protein. (Grad. Sch. Sci., Tohoku Univ.) EGOSHI, Syusuke; TASHITA, Ryo; YAMAKOSHI, Hiroyuki; DODO, Kosuke; ISHIMARU, Yasuhiro; GENJI, Takahisa; SODEOKA, Mikiko; UEDA, Minoru
2G4-31** Analysis of the Interaction between Aplyronine A and Its Target Proteins (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; Grad. Sch. Sci. Technol., Shizuoka Univ.) HIRAYAMA, Yuichiro; KITA, Masaki; SUZUKI, Tomohiro; KAWAGISHI, Hirokazu; KIGOSHI, Hideo

Chair: OKAMOTO, Akimitsu (14 : 30~15 : 20)

- * 14:20-14:30: interval for laptop PC connection.(2G4-34, 2G4-36, 2G4-37)
2G4-34* Possibility of Cycloaddition of Polyamine and Acrolein in Biosystems (RIKEN Biofunctional Synthetic Chemistry Laboratory; RIKEN Global Research Cluster) TSUTSUI, Ayumi; IMAMAKI, Rie; KITAZUME, Shinobu; YAMAGUCHI, Yoshiki; TANIGUCHI, Naoyuki; TANAKA, Katsunori
2G4-36 Development of fluorescent probe to image intracellular Mg²⁺ dynamics (Grad. Sch. Eng., Osaka Univ.) MATSUI, Yusuke; MIZUKAMI, Shin; KIKUCHI, Kazuya
2G4-37* Innovation of in vivo imaging with near infra-red luminescent luciferin analog (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Grad. Sch. Biosci. Biotech., Tokyo Tech) IWANO, Satoshi; KANAMORI, Akane; KUCHIMARU, Takahiro; MAKI, Shojiro; KONDOH, Shinae; NIWA, Haruki

Chair: TAKENAKA, Shigeori (15 : 30~16 : 20)

- * 15:20-15:30: interval for laptop PC connection.(2G4-40, 2G4-41, 2G4-42, 2G4-43, 2G4-44)
2G4-40 Development of a cholesterol probe for cellular Raman imaging (RCAST, The Univ. of Tokyo) MATSUSHITA, Taku; YAMAGUCHI, Satoshi; IKEDA, Taro; HAYASHI, Gosuke; OKAMOTO, Akimitsu
2G4-41 Development of Fluorescent Probes for Sensing Biomolecules in the Nucleus of Living Cells (Nagaoka Univ. of Tech.) NAKAMURA, Akinobu; TAKIGAWA, Kazumasa; ISHIDA, Manabu; KUWATA, Keiko; NAKAYAMA, Tadachika; HAMACHI, Itaru; TSUKIJI, Shinya
2G4-42 Efficient 68Ga-DOTA Labeling of Amino-Groups by Strain-Promoted Click Reaction and Azaelectrocyclization (RIKEN Biofunctional

Synthetic Chemistry lab; Osaka Univ. Department of Chemistry; RIKEN Center for Life Science Technologies) TANAKA, Katsunori; NAKAMOTO, Yuka; MUKAI, Hidefumi; ZOUDA, Maki; WATANABE, Yasuyoshi; FUKASE, Koichi

- 2G4-43** Synthesis and evaluation of the ruthenium complex for the ratiometric analysis of the oxygen concentration in living cells (Grad. Sch. Eng., Kyoto Univ.) HARA, Daiki; SON, Aoi; KOMATSU, Hirokazu; TANABE, Kazuhito
- 2G4-44** A measurement of protein kinase activity using a polyion complex-type fluorescence probe with internal standard (Grad. Sch. Eng., Kyushu Univ.) NOBORI, Takanobu; SHIOSAKI, Shujiro; KISHIMURA, Akihiro; MORI, Takeshi; KATAYAMA, Yoshiki

Chair: TSUKIJI, Shinya (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(2G4-46, 2G4-47, 2G4-48, 2G4-49, 2G4-50, 2G4-51)
- 2G4-46** Chemical biology of (-)-ternatin, a fat accumulation inhibitor (Fac. Sci., Kanagawa Univ.) TANAKA, Yoko; KATAYAMA, Tomoaki; KAWAZOE, Yoshinori; UEMURA, Daisuke
- 2G4-47** Formation of linear DNA wire by the complex with double stranded DNA with naphthalene diimide having ferrocene and β -cyclodextrin (KIT Department of Applied Chemistry) UMEDA, Yuta; SATO, Shinobu; TAKENAKA, Shigeori
- 2G4-48** Synthesis of new cyclic naphthalene diimide derivative aiming at quadruplex DNA binder (KIT Department of Applied Chemistry) ESAKI, Yugo; SATO, Shinobu; FUJII, Satoshi; TAKENAKA, Shigeori
- 2G4-49** Structural optimization of PSO as a fluorometric potassium ion imaging reagent on the cell surface (Sch. Eng., KIT) SAKAMOTO, Naoto; SATO, Shinobu; TAKENAKA, Shigeori
- 2G4-50** Intracellular click reaction with a fluorescent chemical Ca²⁺ indicator to prolong its cytosolic retention (Center for Advanced Bio. Sci., Waseda Univ.) TAKEI, Yoshiaki; MURATA, Atsushi; YAMAGISHI, Kento; ARAI, Satoshi; NAKAMURA, Hideki; INOUE, Takafumi; TAKEOKA, Shinji
- 2G4-51** Synthesis and applications of a novel intracellular Cu-free clickable fluorescent probe for specific target labeling in living cells (Sch. Advanced Sci. Eng., Waseda Univ.) SAWAKI, Kazuaki; YMAGISHI, Kento; MURATA, Atsushi; TAKEOKA, Shinji

Saturday, March 29, AM

Chair: TERA, Masayuki (9 : 00 ~ 9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(3G4-01, 3G4-02, 3G4-03, 3G4-04, 3G4-05)
- 3G4-01** Synthetic Small Molecules That Control Plant Growth (1): Molecular Design for Selective Activation of Key Receptor (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) YOSHIMURA, Masahiko; HAGIHARA, Shinya; TAKAHASHI, Koji; KINOSHITA, Toshinori; ITAMI, Kenichiro
- 3G4-02** Synthetic Small Molecules That Control Plant Growth (2): SAR of Novel Auxin Analogues (Grad. Sch. Sci., Nagoya Univ.; Nagoya Univ. WPI-ITbM; ERATO, JST) YOSHIMURA, Masahiko; SCHRODER, Nils; ZHANG, Hua; HAGIHARA, Shinya; TAKAHASHI, Koji; KINOSHITA, Toshinori; ITAMI, Kenichiro
- 3G4-03** Synthetic study of MBOA fluorescent probe (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KANEKO, Takahiro; HAYAKAWA, Ichiro; SHIGEMORI, Hideyuki; KIGOSHI, Hideo
- 3G4-04** The synthesis and functional evaluation of 13-modified Fusicoccin derivatives (ISIR, Osaka Univ.) ISHIDA, Ryosuke; HIGUCHI, Yusuke; NITTA, Hajime; KATO, Nobuo
- 3G4-05** Molecular Probes for Toll-like Receptor (TLR) 2 Ligands; Synthesis and Functions of Fluorescent-labeled Bacterial Lipopeptides (Grad. Sch. Sci., Osaka Univ.) KAWAHARA, Yuki; KAJIKI, Yasunori; FUJIMOTO, Yukari; FUKASE, Koichi

Chair: HAGIHARA, Shinya (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(3G4-07, 3G4-08, 3G4-09, 3G4-10, 3G4-11)
- 3G4-07** Neuro-chemical Biology(1): Chemical labeling of AMPA-type glutamate receptor (AMPA) by LDI chemistry (Grad. Sch. Eng., Kyoto Univ.; Keio Univ. Sch. Med.; JST CREST) KIYONAKA, Shigeki; WAKAYAMA, Sho; MATSUDA, Shinji; YUZAKI, Michisuke; HAMACHI, Itaru
- 3G4-08** Neuro-chemical Biology(2) : Fluorescent labeling of AMPAR in neuron synapse (Grad. Sch. Eng., Kyoto Univ.; JST CREST) MORIKAWA, Yuma; WAKAYAMA, Sho; KIYONAKA, Shigeki; HAMACHI, Itaru
- 3G4-09** Neuro-chemical biology (3) Ligand sensing by labeled AMPAR (Grad. Sch. Eng., Kyoto Univ.; JST CREST) WAKAYAMA, Sho; KIYONAKA, Shigeki; HAMACHI, Itaru
- 3G4-10** Sterically bulky caging for light-inducible protein activation in vivo (Grad. Sch. Eng., The Univ. of Tokyo) TAKAMORI, Satoshi; YAMAGUCHI, Satoshi; MINAMIHATA, Kosuke; KAWAHARA, Masahiro; NAGAMUNE, Teruyuki
- 3G4-11** DEVELOPMENT OF PHOTOLYTIC PROTEIN AGGREGATE (Grad. Sch. Eng., The Univ. of Tokyo) ISHIWATARI, Akira; TAKAMORI, Satoshi; MINAMIHATA, Kosuke; YAMAGUCHI, Satoshi;

NAGAMUNE, Teruyuki

Saturday, March 29, PM

Chair: OKAMOTO, Akimitsu (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3G4-26, 3G4-28, 3G4-29, 3G4-30)
- 3G4-26*** The Novel Ligand-directed Chemistry (1) Specific Sulfonylation of Subcellular Proteins Using Ligand-directed N-Sulfonyl Pyridone Chemistry (Grad. Sch. Eng., Kyoto Univ.) MATSUO, Kazuya; MASUDA, Marie; HAMACHI, Itaru
- 3G4-28** The Novel Ligand-directed Chemistry (2) Selective Labeling of Membrane-bound Proteins by Ligand-directed N-Sulfonyl Pyridone Chemistry (Grad. Sch. Eng., Kyoto Univ.) MASUDA, Marie; MATSUO, Kazuya; HAMACHI, Itaru
- 3G4-29** New revolution of ligand-directed chemistry (3) Specific Chemical Labeling of Nuclear Receptor by o-Dibromophenylester-type Reagent (Grad. Sch. Eng., Kyoto Univ.) NISHIKAWA, Yuki; TAKAOKA, Yousuke; HAMACHI, Itaru
- 3G4-30*** New evolution of ligand-directed chemistry (4) Specific intracellular protein labeling by self-assembling o-dibromophenylester-type reagents (Grad. Sch. Eng., Kyoto Univ.) YOUSUKE, Takaoka; YUUKI, Hashimoto; KENTA, Sasaki; YUUKI, Nishikawa; ITARU, Hamachi

Chair: KUSUMOTO, Shoichi (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(3G4-33)
- 3G4-33 CSJ Award for Creative Works** Bioorganic Research for Elucidation of the Mechanisms of Excitatory Neurotransmission and Membrane Protein Integration (Suntory Foundation for Life Sciences Bioorganic Research Institute) SHIMAMOTO, Keiko

Chair: YOUSUKE, Takaoka (15 : 30~16 : 20)

- * 15:20-15:30: interval for laptop PC connection.(3G4-40, 3G4-42, 3G4-44)
- 3G4-40*** GTP-Responsive Tubulin Vesicle with a Photoreactive Molecular Glue (Grad. Sch. Eng., The Univ. of Tokyo) UCHIDA, Noriyuki; OKURO, Kou; TOMISHIGE, Michio; AIDA, Takuzo
- 3G4-42*** Caged Molecular Glue with Photo-activatable Adhesivity (Grad. Sch. Eng., The Univ. of Tokyo) OKURO, Kou; ARISAKA, Akio; AIDA, Takuzo
- 3G4-44** Detection of post-translational hydroxylysine by periodate oxidation (Grad. Sch. Eng., The Univ. of Tokyo) TSUJI, Shuntaro; HAYASHI, Gosuke; OKAMOTO, Akimitsu

Chair: KONDO, Teruyuki (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(3G4-46, 3G4-48, 3G4-50)
- 3G4-46**** Label-free Visualization of Rat Cornea Inner Structure with Multimodal Nonlinear Spectral Microscope (Grad. Sch. Sci., The Univ. of Tokyo) SEGAWA, Hiroki; KAJI, Yuichi; KANO, Hideaki; OZAWA, Takeaki
- 3G4-48*** Investigation of functional mechanism of Akt based on single molecule analysis in living cells (Grad. Sch. Sci., The Univ. of Tokyo) HIDEAKI, Yoshimura; TAKEAKI, Ozawa
- 3G4-50**** Photo-polymerizable Molecular Glue for Site-selective Adhesion in Cell Engineering (Grad. Sch. Eng., The Univ. of Tokyo) HATANO, Junichi; OKURO, Kou; AIDA, Takuzo

Chair: HIDEAKI, Yoshimura (17 : 40~18 : 20)

- * 17:30-17:40: interval for laptop PC connection.(3G4-53, 3G4-54, 3G4-55, 3G4-56)
- 3G4-53** *In Vivo* Magnetic Resonance Imaging Using a Biocompatible Phosphorylcholine Polymer Probe (Grad. Sch. Eng., Kyoto Univ.) HASEGAWA, Yoshinori; YAMADA, Hisatsugu; KIMURA, Yu; IMAI, Hirohiko; MATSUDA, Tetsuya; SANDO, Shinsuke; TOSHIMITSU, Akio; AOYAMA, Yasuhiro; KONDO, Teruyuki
- 3G4-54** Synthesis of a Stable Isotope-Labeled L-DOPA Probe and Monitoring of Its Metabolic Reaction by a Multiple Resonance NMR Measurement (Grad. Sch. Eng., Kyoto Univ.) KAMEDA, Tetsuro; YAMADA, Hisatsugu; KIMURA, Yu; IMAI, Hirohiko; MATSUDA, Tetsuya; TOCHIO, Hidehito; SHIRAKAWA, Masahiro; SANDO, Shinsuke; AOYAMA, Yasuhiro; TOSHIMITSU, Akio; KONDO, Teruyuki
- 3G4-55** Synthesis and Functional Evaluation of Biocompatible CoO Nanoparticles as a Bimodal Contrast Agent for Photoacoustic and Magnetic Resonance Imaging (Grad. Sch. Eng., Kyoto Univ.) KIMURA, Yu; KURIMOTO, Takuya; SUGII, Hiroaki; TOSHIMITSU, Akio; MATSUDA, Tetsuya; IMAI, Hirohiko; KONDO, Teruyuki
- 3G4-56** Synthesis and Functional Evaluation of Biocompatible MnO nanoparticles for Dual Photoacoustic and MR Imaging (Grad. Sch. Eng., Kyoto Univ.) KIMURA, Yu; SUGII, Hiroaki; TOSHIMITSU, Akio; MATSUDA, Tetsuya; IMAI, Hirohiko; KONDO, Teruyuki

Sunday, March 30, AM

Chair: HATTORI, Mitsuru (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4G4-01, 4G4-02, 4G4-03, 4G4-04, 4G4-05, 4G4-06)
- 4G4-01** Structural effects on molecular recognition of fusicoccin-based

fluorescent probes for 14-3-3 protein (ICR, Kyoto Univ.; ISIR, Osaka Univ.) KUSUMOTO, Atsushi; WANG, Chenyu; KATO, Nobuo; UESUGI, Motonari; OHKANDA, Junko

4G4-02 Structure-Activity Relationship Studies on Neopeltolide: Importance of the Oxazole-Containing Side Chain (Grad. Sch. Life Sci., Tohoku Univ.) NOGUCHI, Takuma; KAWAKAMI, Masato; FUWA, Haruhiko; SASAKI, Makoto

4G4-03 Cellular Effects of a Neopeltolide Analogue on Human Cancer Cells (Grad. Sch. Life Sci., Tohoku Univ.) SATO, Mizuho; FUWA, Haruhiko; SASAKI, Makoto

4G4-04 Neuro-chemical biology (4) : Chemical labeling of AMPAR complexes by AGD chemistry (Grad. Sch. Eng., Kyoto Univ.; JST CREST) MICHIBATA, Yukiko; WAKAYAMA, Sho; KIYONAKA, Shigeki; HAMACHI, Itaru

4G4-05 Neurochemical Biology(5):Chemical labeling of NMDA receptors for functional analysis of neurotransmitter receptors (Grad. Sch. Eng., Kyoto Univ.; JST CREST) KOMATSU, Kazuhiro; KIYONAKA, Shigeki; HAMACHI, Itaru

4G4-06 Neuro-chemical Biology (6): Regulation of an Ion-Channel Activity of AMPAR by On-Cell Coordination Chemistry (Grad. Sch. Eng., Kyoto Univ.) KUBOTA, Ryou; KIYONAKA, Shigeki; HAMACHI, Itaru

Chair: OHKANDA, Junko (10 : 10~11 : 00)

* 10:00-10:10: interval for laptop PC connection.(4G4-08, 4G4-10, 4G4-12)

4G4-08[#] Localized cell stimulation by nitric oxide using a photoactive porous coordination polymer platform (iCeMS, Kyoto Univ.) DIRING, Stéphane; KITAGAWA, Susumu; FURUKAWA, Shuhei

4G4-10[#] Intracellular nitric oxide delivery using a photoactive porous coordination polymer (Grad. Sch. Eng., Kyoto Univ.) KIM, Chiwon; DIRING, Stéphane; KITAGAWA, Susumu; FURUKAWA, Shuhei

4G4-12 Control of protein localization in living cells using biotin ligase fused to membrane proteins (KIT Dept. of Biosci. and Bioinfo.) ARISUDA, Kazuma; SUEDA, Shinji

Chair: MIZUKAMI, Shin (11 : 10~12 : 00)

* 11:00-11:10: interval for laptop PC connection.(4G4-14, 4G4-15, 4G4-17)

4G4-14[#] A high-throughput screening method for SUMOylated proteins in living cells and analysis of SUMOylation functions (Grad. Sch. Sci., The Univ. of Tokyo) KOMIYA, Maki; HIRUMA, Daisuke; HATTORI, Mitsuru; OZAWA, Takeaki

4G4-15^{*} Development of a Rhodol-based Fluorogenic Probe for Detecting Mitochondrial Copper(I) (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) AKAOKA, Kazushi; TAKI, Masayasu; YAMAMOTO, Yukio

4G4-17^{*} Blinking based on the solvent accessibility of the fluorescence molecule (ISIR, Osaka Univ.; Grad. Sch. Biosci. Biotech., Tokyo Tech; JST-PRESTO) KAWAI, Kiyohiko; KOSHIMO, Takeshi; MARUYAMA, Atsushi; MAJIMA, Tetsuro

Sunday, March 30, PM

Chair: TSUKIJI, Shinya (13 : 10~14 : 00)

* 13:00-13:10: interval for laptop PC connection.(4G4-26, 4G4-27, 4G4-29, 4G4-30)

4G4-26 Affinity Molecular Glue: Adhesion-mediated Enhancement of Ligand-Protein Binding (Grad. Sch. Eng., The Univ. of Tokyo) MOGAKI, Rina; OKURO, Kou; AIDA, Takuzo

4G4-27^{*} Development and application of single cell array by using photo-cleavable PEG-lipid modified collagen surface (Grad. Sch. Eng., The Univ. of Tokyo) YAMAHIRA, Shinya; YAMAGUCHI, Satoshi; KAWAHARA, Masahiro; NAGAMUNE, Teruyuki

4G4-29 Analysis of pH-dependent traffic of G2A in living cells by N-terminal specific fluorescence labeling (Grad. Sch. Eng., The Univ. of Tokyo) TAN, Modong; YAMAGUCHI, Satoshi; YAMAMOTO, Teruyasu; LAN, Wanjun; YAMAHIRA, Shinya; NAKAMURA, Motonao; NAGAMUNE, Teruyuki

4G4-30 Spatiotemporal control of cell adhesion on photocleavable RGD-PEG surface (Grad. Sch. Eng., The Univ. of Tokyo) TAKASAKI, Yumi; YAMAGUCHI, Satoshi; YAMAHIRA, Shinya; NAGAMUNE, Teruyuki

Chair: YAMAGUCHI, Satoshi (14 : 10~15 : 10)

* 14:00-14:10: interval for laptop PC connection.(4G4-32, 4G4-33, 4G4-34, 4G4-36)

4G4-32 Development and live-cell application of ER/Golgi-localizing ligands (Nagaoka Univ. of Tech.) ISHIDA, Manabu; WATANABE, Hideaki; NAKAMURA, Akinobu; OKI, Choji; KUWATA, Keiko; HAMACHI, Itaru; TSUKIJI, Shinya

4G4-33 *in situ* detection of secondary metabolites in the antibiotic-producing bacteria using Raman microspectroscopy (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) MIYAOKA, Rimi; ANDO, Masahiro; HOSOKAWA, Masahito; MORI, Tetsushi; HAMAGUCHI, Hiro-ota; TAKEYAMA, Haruko

4G4-34^{*} Construction of detection system for ligand-protein interactions using peptide ligation (Gunma Univ. ASRLD Unit; Gunma Univ. Faculty of Science and Technology) TAKAHASHI, Tsuyoshi; SAITO, Akinori

4G4-36^{*} Elucidation of apoptosis induction of cancer cells caused by vitamin K2 (Grad. Sch. Biosci. Biotech., Tokyo Tech; Tokyo Med. and Dental Univ. Research Center for Medical and Dental Sciences; Tokyo Med. Univ. School of

Medicine) SAKAMOTO, Satoshi; KASRASAWA, Satoki; AZUMA, Motoki; KASAMA, Takeshi; MIYAZAWA, Keisuke; YMAGUCHI, Yuki; HANDA, Hiroshi

Chair: SAKAMOTO, Satoshi (15 : 20~16 : 20)

* 15:10-15:20: interval for laptop PC connection.(4G4-39, 4G4-41, 4G4-43, 4G4-44)

4G4-39[#] Synthesis of Fluorescent Metal nanoclusters and Application to cellular imaging (Kure National College of Technology) TANAKA, Shin-ichi; JIN, Takashi; INOUE, Yasushi

4G4-41^{*} Regulation of an activity of NF- κ B with CO-releasing protein cage (Grad. Sch. Biosci. Biotech., Tokyo Tech) FUJITA, Kenta; TANAKA, Yuya; ABE, Satoshi; UENO, Takafumi

4G4-43 Photodegradable Hydrogel with Protein-Ligand Cross-Linkages for Photomodulation of Cellular Microenvironment (Grad. Sch. Eng., The Univ. of Tokyo) OHASHI, Noriyuki; YAMAGUCHI, Satoshi; MINEMIHATA, Kousuke; NAGAMUNE, Teruyuki

4G4-44 Photodegradable Shells for Cell Manipulation (Grad. Sch. Eng., The Univ. of Tokyo) CHUJO, Kazuki; YAMAGUCHI, Satoshi; OHASHI, Noriyuki; NAGAMUNE, Teruyuki

Room G5

Liberal Arts & Sciences Main Building
C25

Biofunctional Chemistry ; Biotechnology

Thursday, March 27, AM

Chair: TSUMOTO, Kouhei (9 : 00 ~10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1G5-01, 1G5-02, 1G5-03, 1G5-05, 1G5-06)

1G5-01 Generation and characterization of a mucin specific recombinant antibody toward developing a therapeutic agent for pancreatic cancer (Grad. Sch. Eng., Osaka City Univ.) YAMADA, Yosuke; OSAKI, Tmohiro; NAKANISHI, Takeshi; OKAMOTO, Yasuhiro; SAWADA, Tetsuji; KIMURA, Kenjiro; HIRAKAWA, Kosei; KITAMURA, Masaya

1G5-02 Structural diversity of super catalytic antibody (antigenase) (Grad. Sch. Eng., Oita Univ.) MATSUMOTO, Shingo; HIFUMI, Emi; UDA, Taizou

1G5-03^{*} Structure-based direct penetration of β -helical protein needle to living cell membrane (iCeMS, Kyoto Univ.) INABA, Hiroshi; SANGHAMITRA, Nusrat; ARISAKA, Fumio; KITAGAWA, Susumu; UENO, Takafumi

1G5-05 Modification of cell penetrating protein needle with organometallic complexes (Grad. Sch. Biosci. Biotech., Tokyo Tech) OZEKI, Syuichi; FUJITA, Kenta; INABA, Hiroshi; SANGHAMITRA, Nusrat; KITAGAWA, Susumu; ABE, Satoshi; UENO, Takafumi

1G5-06 Fusion of a cell penetrating protein needle with foreign protein (Sch. Biosci. Biotech., Tokyo Tech) FUKAI, Toshihiro; SANGHAMITRA, Nusrat; INABA, Hiroshi; KANAMARU, Shuji; ARISAKA, Fumio; KITAGAWA, Susumu; UENO, Takafumi

Chair: TOMIZAKI, Kin-ya (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1G5-08, 1G5-10, 1G5-12, 1G5-13)

1G5-08^{*} Protein crystals as a reaction vessel of organometal complexes for extracellular scaffolds (iCeMS, Kyoto Univ.; Grad. Sch. Sci., Eng., Tokyo Tech) TUBE, Hiroyasu; FUJITA, Kenta; ABE, Satoshi; KITAGAWA, Susumu; UENO, Takafumi

1G5-10^{*} Construction of Functional Protein Crystals by Encapsulation of Foreign Proteins (Grad. Sch. Biosci. Biotech., Tokyo Tech; Grad. Sch. Eng., Kyoto Univ.; KIT) ABE, Satoshi; TOKURA, Yu; MORI, Hajime; UENO, Takafumi

1G5-12 Thermal Behavior on Dynamics of Immunoglobulin G - Water System (Grad. Sch. Sci., Osaka Univ.) AZUMA, Nobuaki; MIYAZAKI, Yujii; INABA, Akira

1G5-13 Effects of metal ions on the antigen recognition by anti-DOTA scFv (Grad. Sch. Eng., The Univ. of Tokyo; IMS, The Univ. of Tokyo) AKIBA, Hiroki; YOSHIDA, Ryosuke; TSUMOTO, Kouhei

Chair: TANAKA, Naoki (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(1G5-15, 1G5-16, 1G5-17, 1G5-19)

1G5-15 Immobilization of cross-linked helical peptides on Au surfaces for aiming at peptide chips and their interaction analysis with DNAs (Grad. Sch. Med. Pharm. Sci. Edu., Univ. of Toyama) SAKAGUCHI, Ikumi; FUJIMOTO, Kazuhisa; INOUE, Masahiko

1G5-16 Evaluation for the interaction of side chain cross-linked helical peptides with anti-apoptotic protein Bcl-xL and their apoptosis induction ability (Fac. Pharm. Sci., Univ. of Toyama) NOGAMI, Kagayaki

TAKAHAMA, Kentaro; FUJIMOTO, Kazuhisa; OYOSHI, Takanori; INOUE, Masahiko

- 1G5-17*** Effect of Multivalency on Mineralization Behaviors by Apatite-Binding Peptide Derivatives under Body Fluid Conditions (Fac. Eng., Tokyo Univ. of Sci.) IJIMA, Kazutoshi; ONOGAMI, Ayano; MATSUBARA, Teruhiko; SATO, Toshinori; HASHIZUME, Mineo
- 1G5-19**** Asparagine-Selective Cleavage of Peptide Bonds in Neutral Aqueous Solutions (Grad. Sch. Pharm., The Univ. of Tokyo; JST-ERATO) TANABE, Kana; TANIGUCHI, Atsuhiko; MATSUMOTO, Takuya; OISAKI, Kounosuke; SOHMA, Youhei; KANAI, Motomu

Thursday, March 27, PM

Chair: SATO, Toshinori (14 : 20 ~ 15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(1G5-33, 1G5-34, 1G5-36, 1G5-37, 1G5-38)
- 1G5-33** Effect of fiber length on cellular uptake of antigen-loaded peptide nanofibers (KIT) KASAI, Ayane; KAWABATA, Kazufumi; WAKU, Tomonori; KUNUGI, Shigeru; TANAKA, Naoki
- 1G5-34*** Synthesis and characterization of self-assembled nanostructures of peptide tandem dimers (Ryukoku Univ. Dept. Materials Chemistry) TOMIZAKI, Kin-ya; TANAKA, Atsushi; IMAI, Takahito
- 1G5-36** Fabrication of template nanoarchitectures for carbonous material synthesis using self-assembled peptide (Ryukoku Univ. Science and Technology) UNO, Kosei; IMAI, Takahito; TOMIZAKI, Kin-ya
- 1G5-37** Synthesis of carbohydrate-modified ZnO nanofiber by peptide template method (Ryukoku Univ.) NISHIZAWA, Koki; UNO, Kousei; IMAI, Takahito; TOMIZAKI, Kin-ya
- 1G5-38** Helicity Control of Artificial Coordinating Peptides (Grad. Sch. Eng., The Univ. of Tokyo) OTSUBO, Yusuke; SAWADA, Tomohisa; FUJITA, Makoto

Chair: MATSUURA, Kazunori (15 : 30 ~ 16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(1G5-40, 1G5-41, 1G5-43, 1G5-44, 1G5-45)
- 1G5-40** Morphology change of peptide nano-assemblies with transition tendency from helix to β -sheet in response to the change of solvent environment (KIT) WAKU, Tomonori; HIRATA, Naoyuki; KUNUGI, Shigeru; TANAKA, Naoki
- 1G5-41*** Aggregation Inhibitors of amyloid β peptide based on a *cyclo*[Lys-Leu-Val-Phe-Phe] motif (Grad. Sch. Pharm., The Univ. of Tokyo; JST-ERATO) ARAI, Tadamasu; ARAYA, Takushi; SASAKI, Daisuke; SOHMA, Youhei; KANAI, Motomu
- 1G5-43** Conformational Preferences of (L-D-L-L)_n Sequence Peptides (Grad. Sch. Eng., The Univ. of Tokyo) ADACHI, Kiyohiro; SAWADA, Tomohisa; FUJITA, Makoto
- 1G5-44** Controlled Self-Assembly of Peptide Amphiphiles by the Design of Hydrophobic Groups (Grad. Sch. Eng., Kyushu Univ.) WAKABAYASHI, Rie; KAMIYA, Noriho; GOTO, Masahiro
- 1G5-45** Screening of peptides that bind to metal ions (Grad. Sch. Sci., Eng., Tokyo Tech) ASADA, Masaya; SAWADA, Toshiaki; SERIZAWA, Takeshi

Chair: SAKAGUCHI, Kazuyasu (16 : 40 ~ 17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(1G5-47, 1G5-48, 1G5-49, 1G5-50, 1G5-51, 1G5-52)
- 1G5-47** Development of peptide molecular system for nanofiber growth induced by photocleavage reaction (Grad. Sch. Eng., Tottori Univ.) FURUTANI, Masahiro; SHIGENAGA, Akira; MATSUURA, Kazunori
- 1G5-48** Stabilization of artificial viral capsid by coating with HSA (Grad. Sch. Eng., Tottori Univ.) HONJO, Takahide; MATSUURA, Kazunori
- 1G5-49** Catalytic Activities of Peptide-Gold Nanoparticle Hybrids (Ryukoku Univ. Science and Technology) YAMAGUCHI, Yuichi; IMAI, Takahito; TOMIZAKI, Kin-ya
- 1G5-50** Drug delivery system using self-assembled peptide nanoarchitectures (Fac. Sci. Tech., Ryukoku Univ.) KISHIOKA, Kohei; USUI, Kenji; IMAI, Takahito; TOMIZAKI, Kin-ya
- 1G5-51** Photocontrol of Collagen Peptide Triple Helix Self-assembly by Azobenzene Linker (Grad. Sch. Life Sci. Sys. Eng., KIT) MARUOKA, Yoshihiro; SATO, Daisuke; KATO, Tamaki
- 1G5-52** Synthesis of oligopeptides bearing lipophilic electrolyte and solubilization in organic solvents. (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) NAMBU, Takanori; KOKADO, Kenta; SADA, Kazuki

Chair: SADA, Kazuki (17 : 50 ~ 18 : 30)

- * 17:40-17:50: interval for laptop PC connection.(1G5-54, 1G5-56, 1G5-57)
- 1G5-54**** Control of Silver Nanoparticle Formation by Oligomerization and Orientation of Biomimetic Peptide (Grad. Sch. Sci., Hokkaido Univ.) SAKAGUCHI, Tatsuya; JANAIRO, Isagani; WADA, Junya; SAKAGUCHI, Kazuyasu
- 1G5-56** Solid-phase oligopeptide synthesis using phosphonium triazolide-type condensing reagents (Grad. Sch. Frontier Sci., The Univ. of Tokyo) SAITO, Keita; WADA, Takeshi
- 1G5-57** Development of DNA nanostructures by control of G-quadruplex structure formation using designed peptides (FIRST, Konan Univ.) USUI, Kenji; OKADA, Arisa; SUGIMOTO, Naoki

Friday, March 28, AM

Protein

Chair: HIROTA, Shun (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2G5-01, 2G5-03, 2G5-04, 2G5-05)
- 2G5-01*** Time-resolved study on light signal transduction of YtvA by intermolecular interaction change (Grad. Sch. Sci., Kyoto Univ.) CHOI, Seokwoo; NAKASONE, Yusuke; KLAAS, J hellingwerf; TERAZIMA, Masahide
- 2G5-03** Photochemical reaction dynamics of aureochrome-I with DNA detected by transient grating method (Grad. Sch. Sci., Kyoto Univ.) AKIYAMA, Yuki; NAKASONE, Yusuke; HISATOMI, Osamu; TERAZIMA, Masahide
- 2G5-04** Crowding effect on photoreaction of blue light sensor protein phototropin1 LOV2 domain (Grad. Sch. Sci., Kyoto Univ.) YOSHITAKE, Tomoyuki; NAKASONE, Yusuke; TOYOOKA, Tsuyoshi; ZIKIHARA, Kazunori; TOKUTOMI, Satoru; TERAZIMA, Masahide
- 2G5-05*** Construction of the photoresponsive phosphodiesterase and application for controlling the biological function (IMRAM, Tohoku Univ.) UI, Mihoko; ARAI, Yasuhiro; MURAKAMI, Makoto; ARAKI, Yasuyuki; WADA, Takehiko; TAKAHASHI, Hiroto; KINBARA, Kazushi

Chair: KINBARA, Kazushi (10 : 10 ~ 11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2G5-08, 2G5-10, 2G5-12, 2G5-13)
- 2G5-08*** Initial Process of Formation in Dinitrosyl Iron Complex for SoxR (ISIR, Osaka Univ.) FUJIKAWA, Mayu; KOBAYASHI, Kazuo; KOZAWA, Takahiro
- 2G5-10**** Catalytic Promiscuity Arising From Metallation of a Putative Facial Triad Motif Within a Lactonase (Uni. Basel Dept. Chem.) FUJIEDA, Nobutaka; SCHÄTTI, Jonas; STTUTFELD, Edward; SHARPE, Timothy; MAIER, Timm; WARD, Thomas
- 2G5-12** Effect of the Electron Density of the Heme Fe Atom on the Fe-Histidine Coordination Bond in Deoxy Myoglobin (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) NISHIMURA, Ryu; SHIBATA, Tomokazu; TAI, Hulin; ISHIGAMI, Izumi; YANAGISAWA, Sachiko; OGURA, Takashi; NEYA, Saburo; SUZUKI, Akihiko; YAMAMOTO, Yasuhiko
- 2G5-13** Mechanism for enhancement of mature caspase-3 activity by PAC-1 (Grad. Sch. Mat. Sci., NAIST) MATSUO, Takashi; YAMADA, Keita; KONO, Takamasa; SHUN, Hirota

Chair: YAMAMOTO, Yasuhiko (11 : 20 ~ 12 : 30)

- * 11:10-11:20: interval for laptop PC connection.(2G5-15, 2G5-16, 2G5-17, 2G5-19, 2G5-20, 2G5-21)
- 2G5-15** Chemical synthesis of LURE protein, pollen tube attractant (WPI-ITbM, Nagoya Univ.) OISHI, Shunsuke; BODE, Jeffrey
- 2G5-16*** Synthesis of Nitrophenol 4 using KAHHA ligation (WPI-ITbM, Nagoya Univ.) THUAUD, Frédéric; HE, Chunmao; KULKARNI, Sameer; OISHI, Shunsuke; BODE, Jeffrey
- 2G5-17*** Identification of enzymes involved in biosynthesis of the metal cofactor of [Fe]-hydrogenase by structural genomics approach (Max Planck Institute for Terrestrial Microbiology) FUJISHIRO, Takashi; TAMURA, Haruka; SCHICK, Michael; KAHNT, Joerg; XIE, Xiulan; ATAKA, Kenichi; ERMILER, Ulrich; SHIMA, Seigo
- 2G5-19** Spectroscopic studies on NAD⁺-reducing [NiFe] hydrogenase from *H. thermoluteolus* TH-1 (Grad. Sch. Mat. Sci., NAIST; Grad. Sch. Life Sci., Univ. of Hyogo; CREST, JST) TAI, Hulin; TAKETA, Midori; SHOMURA, Yasuhito; NISHIKAWA, Koji; SUZUKI, Masayuki; HIGUCHI, Yoshiki; HIROTA, Shun
- 2G5-20** Role of C-terminal Domain and Preparation of Maturation Form of Fungal Tyrosinase (Grad. Sch. Eng., Osaka Univ.) EGUCHI, Nao; FUJIEDA, Nobutaka; ITOH, Shinobu
- 2G5-21** Hydrophilic fatty acid analogues-binding structures of FABP3 (Grad. Sch. Sci., Osaka Univ.) OTSUKA, Kohei; MATSUOKA, Shigeru; HIROSE, Mika; SATOU, Fuminori; MIZOHATA, Eiichi; SUGIYAMA, Shigeru; INOUE, Tsuyoshi; MURATA, Michio

Friday, March 28, PM

Protein

Chair: MORI, Toshiaki (13 : 40 ~ 14 : 40)

- * 13:30-13:40: interval for laptop PC connection.(2G5-29, 2G5-32, 2G5-33)
- 2G5-29** Young Scholar Lectures of CSJ in vitro biosynthetic system for artificial azoline-containing peptides (Grad. Sch. Sci., The Univ. of Tokyo) GOTO, Yuki
- 2G5-32** Conformational and colloidal stabilities of isolated constant domains of human immunoglobulin G and their different aggregation propensities (Grad. Sch. Frontier Sci., The Univ. of Tokyo) YAGETA, Seiki; HONDA, Shinya
- 2G5-33*** Control of Moving Direction of Biomolecular Motors by Using Mechanical stimuli. (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.)

INOUE, Daisuke; SADA, Kazuki; KAKUGO, Akira

Chair: HORI, Katsutoshi (14 : 50~15 : 50)

- * 14:40-14:50: interval for laptop PC connection.(2G5-36, 2G5-37, 2G5-38, 2G5-39, 2G5-41)
- 2G5-36** Syntheses and influenza virus inhibitory activities of carboxylated dendrimers periphery functionalized with sialic acid-mimic peptide (Grad. Sch. Sci., Eng., Saitama Univ.) MURAMATSU, Yosuke; HATANO, Ken
- 2G5-37** Direct observation of acceleration effect of decomposing on chitin film by CBP21 with AFM-force mapping (Grad. Sch. Biosci. Biotech., Tokyo Tech) SHISHIDO, Keisuke; NAKAGAWA, Yuko; MORI, Toshiaki
- 2G5-38** Single molecular binding and decomposing analysis of ChiA, ChiB and ChiC on chitin by using Atomic Force Microscopy. (Sch. Biosci. Biotech., Tokyo Tech) KATO, Saki; NAKAGAWA, Yuko; MORI, Toshiaki
- 2G5-39*** EndoS: an ENGase with an alternative glycan specificity and the ability to remodel the Fc N-glycan of intact IgG (University of Oxford Department of Chemistry) YAMAMOTO, Keisuke; BARUAH, Kavitha; GOODFELLOW, Jonathan; BONOMELLI, Camille; KRISHNA, Benjamin; HARVEY, David; CRISPIN, Max; SCANLAN, Christopher; DAVIS, Benjamin
- 2G5-41** Self-assembly of photosynthetic antenna membrane protein-pigment complex onto substrate (Ctr. For Fostering Young and Innovative Researchers, Nagoya Inst. of Tech.) KONDO, Masaharu; MIZUNO, Toshihisa; NAGASHIMA, Sakiko; NAGASHIMA, Kenji; DEWA, Takehisa; NANGO, Mamoru

Chair: KAKUGO, Akira (16 : 00~17 : 20)

- * 15:50-16:00: interval for laptop PC connection.(2G5-43, 2G5-44, 2G5-45, 2G5-47, 2G5-49, 2G5-50)
- 2G5-43** Direct imaging of glycosyltransferase reaction in the glycolipid membrane using a high-speed AFM (Grad. Sch. Biosci. Biotech., Tokyo Tech) KOBAYASHI, Shinya; MORI, Toshiaki
- 2G5-44** Observation of membrane protein fluidity in re-constructed lipid bilayer using atomic force microscopy (Sch. Biosci. Biotech., Tokyo Tech) TANAKA, Rina; KAKUTA, Yoshimitsu; KIMATA, Kouji; MORI, Toshiaki
- 2G5-45*** Analyzing the Bacterial Adhesion of the highly adhesive bacterium *Acinetobacter* sp. Tol 5 using Atomic Force Microscopy (Grad. Sch. Eng., Nagoya Univ.) MIYACHI, Yusuke; HORI, Katsutoshi
- 2G5-47*** Structural analysis of *Acinetobacter* species-conserved domains of a highly adhesive bacterionanofiber protein, AtaA (Grad. Sch. Eng., Nagoya Univ.) KOIWAI, Kotaro; HARTMANN, Marcus; NUR, Izzah; MIKI, Akihiro; YOSHIMOTO, Shogo; LINKE, Dirk; LUPAS, Andrei; HORI, Katsutoshi
- 2G5-49** Physicochemical analysis of proteoglycan's Osteomodulin (Grad. Sch. Frontier Sci., The Univ. of Tokyo) TASHIMA, Takumi; NAKAKIDO, Makoto; NAGATOISHI, Satoru; OHNUMA, Shinichi; TSUMOTO, Kouhei
- 2G5-50** Regioselective Hydroxylation of Aromatic Compounds Catalyzed by Wild-Type Cytochrome P450BM3 by inducing its substrate misrecognition (Grad. Sch. Sci., Nagoya Univ.) YOKOBORI, Jun; IZU, Hitoshi; KUNIMATSU, Tatsuya; KAWAKAMI, Norifumi; SHOJI, Osami; KAMACHI, Takashi; YOSHIZAWA, Kazunari; WATANABE, Yoshihito

Saturday, March 29, AM

Protein

Chair: YOSHINO, Tomoko (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3G5-01, 3G5-02, 3G5-03, 3G5-04, 3G5-05, 3G5-06)
- 3G5-01** Engineering of fungi-derived FAD-dependent glucose dehydrogenase with improved substrate specificity and thermal stability (Fac. Eng., Tokyo Univ. of Agri. and Technol.) MORI, Kazushige; MATSUI, Riho; SAKAI, Genki; KOJIMA, Katsuhiko; SODE, Koji
- 3G5-02** Effect of deglycosylation of a sugar dehydrogenase from *Coprinopsis cinerea* on the catalytic current of L-fucose oxidation (Fac. Eng., Tokyo Univ. of Agri. and Technol.) UEMURA, Takehisa; TAKEDA, Kouta; IGARASHI, Kiyohiko; SAMEJIMA, Masahiro; NAKAMURA, Nobuhumi; OHNO, Hiroyuki
- 3G5-03** Synthesis of novel surfactants able to extract the subunit proteins of phycobilisome from thylakoid membranes, and application to an efficient isolation of PSII. (Nagoya Inst. of Tech. Graduate school of the Int.) SUZUKI, Tomoyuki; KOEDA, Shuhei; SHIBATA, Masahide; MIZUNO, Toshihisa; NOJI, Tomoyasu; KAWAKAMI, Keisuke; DEWA, Takehisa; TANAKA, Toshiaki; NANGO, Mamoru
- 3G5-04** Immobilization of membrane proteins into silica/polymer hybrid gels (Nagoya Inst. of Tech.) KOEDA, Shuhei; MIZUNO, Toshihisa; NOJI, Tomoyasu; KAWAKAMI, Keisuke; DEWA, Takehisa; TANAKA, Toshiaki; NANGO, Mamoru; ITOH, Shigeru; SUGIYASU, Kazunori; TAKEUCHI, Masayuki
- 3G5-05** Artificial synthesis of histone H2A and its application to live cell imaging (Grad. Sch. Eng., The Univ. of Tokyo) SUEOKA, Takuma; HAYASHI, Gosuke; OKAMOTO, Akimitsu
- 3G5-06** Chemical synthesis of histone H2B for live cell imaging (RCST, The Univ. of Tokyo) SAKAKIBARA, Daisuke; HAYASHI, Gosuke; OKAMOTO, Akimitsu

Chair: DEWA, Takehisa (10 : 10~10 : 50)

- * 10:00-10:10: interval for laptop PC connection.(3G5-08, 3G5-09, 3G5-10)
- 3G5-08** Development of an Efficient Method for Aminoacylation of Nucleotides (Fac. Sci., Kochi Univ.) KATAOKA, Masanori; FUKUI, Chiharu; NAKANISHI, Yuto; HONKE, Koichi; KOTSUKI, Hiroyoshi
- 3G5-09** Alteration of the substrate specificity of cytochrome P450 CYP19A2 based on electrostatic interaction between substrate and enzyme (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) SHITASHIMA, Yoh; FURUYA, Toshiaki; KINO, Kuniki
- 3G5-10*** Co-localization of two proteins onto the magnetic particles by *in vivo* docking (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) HONDA, Toru; TANAKA, Tsuyoshi; MATSUNAGA, Tadashi; YOSHINO, Tomoko

Saturday, March 29, PM

Chair: OSUKA, Atsuhiko (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3G5-26)
- 3G5-26 CSJ Award for Creative Works** Elucidation of Structures and Functions of Chlorophylls (Grad. Sch. Life Sci., Ritsumeikan Univ.) TAMIYAKI, Hitoshi
- Chair: ABE, Koichi (14 : 20~15 : 20)
- * 14:10-14:20: interval for laptop PC connection.(3G5-33, 3G5-34, 3G5-35, 3G5-36, 3G5-37, 3G5-38)
- 3G5-33** Enhancement of Exogenous Protein Generation by Artificial Transcription Factors (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) OFUJI, Kazuhiro; NISHIDA, Naoji; MORI, Tomoaki; SERA, Takashi
- 3G5-34** Generation of artificial DNA-binding protein to inhibit DNA binding of Tomato yellow leaf curl virus Rep protein (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MASAOA, Keisuke; OHTA, Nobuyoshi; MORI, Tomoaki; SERA, Takashi
- 3G5-35** Inhibition of DNA replication of human papillomavirus by using novel zinc-finger nuclease (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SADAKANE, Takuya; FURUTA, Saki; MORI, Tomoaki; SERA, Takashi
- 3G5-36** Design of new extracellular matrix proteins using triple helix (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MIZUGUCHI, Yoshinori; MIE, Masayasu; KOBATAKE, Eiry
- 3G5-37** Tissue regeneration of decellularized vascular grafts treated with bFGF (Dep. Bio. Eng., NCVC) MATSUDA, Yuta; MAHARA, Atsushi; MORITAN, Toshiyuki; YAMAOKA, Tetsuji
- 3G5-38** Construction of a CNTF-tethered extracellular matrix protein (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) HOKI, Noriko; MIE, Masayasu; KOBATAKE, Eiry

Chair: HOHSAKA, Takahiro (15 : 30~16 : 30)

- * 15:20-15:30: interval for laptop PC connection.(3G5-40, 3G5-41, 3G5-42, 3G5-43, 3G5-44, 3G5-45)
- 3G5-40** Molecular design and *in vivo* evaluation of DNCS drug for removing the pathogenic protein (Dep. Bio. Eng., NCVC) MATUMOTO, Mai; MAHARA, Atsushi; OHYA, Yuichi; YAMAOKA, Tetsuji
- 3G5-41** Treatment of hypercholesterolemia by the controlled release of antisense molecule (Dep. Bio. Eng., NCVC) MURAKOSHI, Aki; MIHARA, Genki; KANG, Jeonghun; MORITAN, Toshiyuki; OBIKA, Satoshi; YAMAOKA, Tetsuji
- 3G5-42** Development of extracellular matrix protein for antithrombotic vascular grafts (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) NISHIOKA, Nobuyuki; OUGIZAWA, Toshiaki; MIE, Masayasu; KOBATAKE, Eiry
- 3G5-43** Evaluation of DNA-cleavage efficiency of sandwiched zinc finger nucleases in mammalian cells (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MORI, Tomoaki; SERA, Takashi
- 3G5-44** Sequence dependence of DNA-cleavage rates of sandwiched zinc-finger nuclease (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ASHIMOTO, Toru; MATSUMOTO, Atsuyo; OHNO, Serika; MORI, Tomoaki; SERA, Takashi
- 3G5-45** DNA cleavage in mammalian cells by zinc finger-single chain FokI dimer hybrid (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SIMIZU, Kaho; KITA, Yuta; OHNO, Serika; MORI, Tomoaki; SERA, Takashi

Chair: WADA, Takehiko (16 : 40~17 : 40)

- * 16:30-16:40: interval for laptop PC connection.(3G5-47, 3G5-48, 3G5-49, 3G5-50, 3G5-51, 3G5-52)
- 3G5-47** Construction of DNA-protein conjugates respond to chemical stimulation (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) TOYONAGA, Kyohei; MIE, Masayasu; KOBATAKE, Eiry
- 3G5-48** Investigation of DNA search mechanism of tumor suppressor p53 (IMRAM, Tohoku Univ.) MURATA, Agato; ITOH, Yuji; TOKINO, Takashi; TAKAHASHI, Satoshi; KAMAGATA, Kiyoto
- 3G5-49** Novel inhibitors specific for p53-inducible phosphatase PPM1D and its effects on repression of cancer cell proliferation (Grad. Sch. Sci., Hokkaido Univ.) KIYOTA, Yuhei; OGASAWARA, Sari; YOSHIMURA, Fumihiko; TANINO, Keiji; CHUMAN, Yoshiro; SAKAGUCHI, Kazuyasu
- 3G5-50** Fluorescence ratio detection of antigen using double labeled scFv based on FRET and fluorescence quenching (Sch. Mat. Sci., JAIST)

YOHKOSHI, Kensuke; HOHSAKA, Takahiro

- 3G5-51** Generation of a bispecific antibody by applying self-associating peptides (Grad. Sch. Eng., Osaka City Univ.) OSAKI, Tomohiro; FUJISAWA, Shingo; KITAGUCHI, Masahiro; KITAMURA, Masaya; NAKANISHI, Takeshi
- 3G5-52** Signal transduction of output from a transcriptional regulator (Grad. Sch. Sci., Nagoya Univ.) ITO, Takaaki; HAYAMURA, Mao; NAKAJIMA, Hiroshi; WATANABE, Yoshihito

Chair: MIE, Masayasu (17 : 50~18 : 20)

- * 17:40-17:50: interval for laptop PC connection.(3G5-54, 3G5-55, 3G5-56)
- 3G5-54** Design of a Highly Reactive Peptide tag-Probe pair for selective covalent cell protein labeling (Grad. Sch. Pharm., Kyushu Univ.) FUCHIDA, Hirokazu; TABATA, Shigekazu; KIDO, Munetsugu; HAMACHI, Itaru; OJIDA, Akio
- 3G5-55** Preparation of PEDOT/Protein nanoparticles and discussion of synthetic mechanism (Nagoya Inst. of Tech. Graduate school of Eng.) ICHIKI, Kentaro; MIZUNO, Toshihisa; KONDO, Masaharu; DEWA, Takehisa; TANAKA, Toshiki
- 3G5-56** Design of a Sensing System for Protease Activities Using Split-Luciferase (IMRAM, Tohoku Univ.) SAKAMOTO, Seiji; TERAUCHI, Mika; HUGO, Anna; ARAKI, Yasuyuki; WADA, Takehiko

Sunday, March 30, AM

Chair: OZAWA, Takeaki (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4G5-01, 4G5-02, 4G5-03, 4G5-04, 4G5-05, 4G5-06)
- 4G5-01** The mutagenesis studies in the C-terminal negative region of a-synuclein. (Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKABAYASHI, Ohki; UCHIKURA, Yuki; LEE, Somin; SODE, Koji
- 4G5-02** Thermophysical property of liquid crystalline films composed of filamentous viruses (Grad. Sch. Sci., Eng., Tokyo Tech) MURATA, Yuta; SAWADA, Toshiaki; SERIZAWA, Takeshi
- 4G5-03** Selective post-translational protein ligation in cytoplasm by enzyme (Grad. Sch. Eng., The Univ. of Tokyo) ISHIKAWA, Suguru; HIRAKAWA, Hidehiko; NAGAMUNE, Teruyuki
- 4G5-04** Construction of supramolecular architectures by utilizing protein crystals (Grad. Sch. Biosci. Biotech., Tokyo Tech; KIT) NEGISHI, Hashiru; ABE, Satoshi; MORI, Hajime; UENO, Takafumi
- 4G5-05** Synthesis and Oxygen-Coordination Ability of Human Hemoglobin-Albumin Cluster (Fac. Sci. Eng., Chuo Univ.) SHINOHARA, Ryuichi; KIMURA, Takuya; KOMATSU, Teruyuki
- 4G5-06** Functional Modulation of Photosynthetic Antenna Complex (LH2) by Conjugation of Fluorophores (Nagoya Inst. of Tech. Department of Frontier Materials) MIZUTANI, Naoto; NOJI, Tomoyasu; KOMORI, Daisuke; YONEDA, Yuusuke; KATAYAMA, Teturo; NAGASAWA, Yutaka; MIYASAKA, Hisashi; NANGO, Mamoru; DEWA, Takehisa

Chair: SERIZAWA, Takeshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4G5-08, 4G5-10, 4G5-12)
- 4G5-08**** Controlling axon elongation with light stimulation using a photo-receptor protein (Grad. Sch. Sci., The Univ. of Tokyo) ENDO, Mizuki; HATTORI, Mitsuru; OZAWA, Takeaki
- 4G5-10**** Functional conversion of archaerhodopsin-3 from light-driven proton pump to light-gated channel (Grad Sch. Eng., Nagoya Inst. of Tech.) INOUE, Keiichi; SHIMONO, Kazumi; SUZUKI, Yuto; YAGASAKI, Jin; MIYAUUCHI, Seiji; HAYASHI, Shigehiko; KANDORI, Hideki; SUDO, Yuki
- 4G5-12*** Novel Methods for Site-Specific Chemical Modification of Proteins Using Nonnatural Amino Acid Mutagenesis (Sch. Mat. Sci., JAIST) WATANABE, Takayoshi; HOHSAKA, Takahiro

Chair: UENO, Takafumi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(4G5-15, 4G5-17, 4G5-18, 4G5-19, 4G5-20)
- 4G5-15**** Identification of exolytic alginate lyase genes from brown algae degrading marine bacteria (Fac. Sci. Eng., Waseda Univ.) MORI, Tetsushi; TAKAHASHI, Mami; SHIBATA, Toshiyuki; KURODA, Kouichi; CHOW, Seinen; UEDA, Mitsuyoshi; TAKEYAMA, Haruko
- 4G5-17** Characterization of cytochrome P450 from thermophilic bacteria and oxidation reactions (Grad. Sch. Sci., Nagoya Univ.) ONODA, Hiroki; CHIEN, Shihcheng; SHOJI, Osami; WATANABE, Yoshihito
- 4G5-18** Characterization of axial ligand mutated cytochrome c_3 with pentacoordinated heme (Grad. Sch. Biosci. Biotech., Tokyo Tech) NAKAZAWA, Yu; ITO, Chikara; SUGIMOTO, Taro; TABATA, Kenji; KAMACHI, Toshiaki
- 4G5-19** Development of Ferritin channel having a gate system -formation of iron-catechol complex on the channel- (Grad. Sch. Sci., Nagoya Univ.) NAKAO, Takahiro; FUKUSHIMA, Takashi; NAKAJIMA, Hiroshi; WATANABE, Yoshihito
- 4G5-20** Oxidation reaction by thermostable P450 using H₂O₂ as an oxidant (Grad. Sch. Sci., Nagoya Univ.) KANO, Yukiko; SHOJI, Osami; WATANABE, Yoshihito

Room G6

Liberal Arts & Sciences Main Building
S20

Coordination Chemistry, Organometallic Chemistry

Sunday, March 30, AM

Chair: KOGA, Yuji (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4G6-01, 4G6-02, 4G6-03, 4G6-05)
- 4G6-01** Reduction of a Ubiquinone Coenzyme Analog with Coenzyme NADH Catalyzed by an Organoiridium Complex in Water at Room Temperature (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) SHIBATA, Satoshi; SUENOBU, Tomoyoshi; FUKUZUMI, Shunichi
- 4G6-02** Two- and Four-Electron Reduction of Dioxxygen with Formic Acid Catalyzed by an Organoiridium Complex in an Aqueous Organic Solvent (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) SHIBATA, Satoshi; SUENOBU, Tomoyoshi; FUKUZUMI, Shunichi
- 4G6-03*** Photocatalytic reduction of CO₂ using Iridium hydride complex (Toyota Central R&D Labs., Inc. Frontier Research Center) SATO, Shunsuke; MORIKAWA, Takeshi
- 4G6-05*** Water-soluble iridium complex possessing a proton-responsive ligand and its catalytic performance on the hydrogenation of carbon dioxide (ETRI, AIST) SUNA, Yuki; WANG, Wanhui; MANAKA, Yuichi; MUCKERMAN, James t.; FUJITA, Etsuko; HIMEDA, Yuichiro

Chair: SUENOBU, Tomoyoshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(4G6-08, 4G6-10, 4G6-12, 4G6-13)
- 4G6-08*** Deep red phosphorescent cyclometalated iridium(III) complexes (AIST; FURUYA METAL CO., LTD.) KONNO, Hideo; IDO, Yohei; KOIKE, Kazuhide; SUGITA, Yoshiro; ITO, Takashi
- 4G6-10*** Synthesis and luminescence behaviour of cyclometalated iridium complexes with 2-phenylpyrimidine derivatives (AIST) IDO, Yohei; KOIKE, Kazuhide; KONNO, Hideo
- 4G6-12** Photoisomerization and Luminescence Properties of Iridium Complexes with 2-(Diphenylphosphino)phenol Auxiliary Ligand (Fac. Sci., Fukuoka Univ.) TORII, Kaori; KOGA, Yuji; MATSUBARA, Kouki
- 4G6-13** Emission Properties of Cycrometallated Iridium Complexes Bearing Glutamide Moiety in Gel Phase (Grad. Sch. Eng. Sci., Osaka Univ.) OTSUKI, Kyohei; KAWAMORITA, Soichiro; KOMIYA, Naruyoshi; IMADA, Yasushi; NAOTA, Takeshi

Chair: KAWAMORITA, Souichirou (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(4G6-15, 4G6-17, 4G6-18)
- 4G6-15*** Theoretical study on N-H bond cleavage of ammonia by an iridium complex bearing a PNP-pincer type phosphalkene ligand (IMCE, Kyushu Univ.) TANAKA, Hiromasa; CHANG, Yung-hung; NAKAJIMA, Yumiko; OZAWA, Fumiyo; YOSHIZAWA, Kazunari
- 4G6-17** Synthesis of Iridium Complexes Bearing Protic Pincer-type Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) SAITOH, Koki; YOSHINARI, Akihiro; TODA, Tatsuro; KUWATA, Shigeki; IKARIYA, Takao
- 4G6-18** Study on Photo-Induced Crystal Size Changing of Ir(ppy)₃ (Grad. Sch. Nanobioscience, Yokohama City Univ.) TAKAYASU, Satoshi; SUZUKI, Takayoshi; SHINOZAKI, Kazuteru

Sunday, March 30, PM

Chair: ARIKAWA, Yasuhiro (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(4G6-26, 4G6-27, 4G6-28, 4G6-29, 4G6-30, 4G6-31)
- 4G6-26** Synthesis and Reactivity of a Ruthenium Complex Bearing a Protic Tetradentate Tris(Pyrazole)-Type Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) YAMAGISHI, Hiroaki; KUWATA, Shigeki; IKARIYA, Takao
- 4G6-27** Synthesis and Reactivity of Ruthenium Complexes Bearing a Protic Bis(pyrazole)amine Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) SAITO, Kento; KUWATA, Shigeki; IKARIYA, Takao
- 4G6-28** Synthesis and Reactivity of Pincer-type Ruthenium Complex Bearing a Protic NHC Moiety (Grad. Sch. Sci., Eng., Tokyo Tech) TODA, Tatsuro; KUWATA, Shigeki; IKARIYA, Takao
- 4G6-29** Reactivity of ruthenadithiolene complex for CO gas (Fac. Sci. Technol., Tokyo Univ. of Sci.) SAGAWA, Takuya; TSUKADA, Satoru; GUNJI, Takahiro
- 4G6-30** Syntheses and properties of bioactive ruthenium complexes containing 2,6-pyridinedicarboxylate (Fac. Sci., Sophia Univ.) OTSUKA, Midori; NAGAO, Hirotaka; KANZAWA, Nobuyuki
- 4G6-31** Synthesis and properties of multinuclear polyhydrido ruthenium complexes bearing trifluoromethyl group-substituted cyclopentadienyl ligand (Grad. Sch. Sci., Eng., Tokyo Tech) KAWAHARA, Tomohiro; TAKAO,

Toshiro; SUZUKI, Hiroharu

Chair: MIYASAKA, Hitoshi (14 : 20~15 : 20)

- * 14:10-14:20: interval for laptop PC connection.(4G6-33, 4G6-34, 4G6-35, 4G6-36, 4G6-37, 4G6-38)
- 4G6-33** Synthesis and Reduction Reactions of Trichloridoruthenium(III) Complexes Bearing Methyl(2-pyridylmethyl)amino Acetate (Fac. Sci., Sophia Univ.) TERADA, Iori; NAGAO, Hiroataka
- 4G6-34** Synthesis of new 13 metal core complexes (metal-porphyrin - Ru12 complexes) and their attachment on oxide surfaces for composition-regulated bimetallic nanoclusters (Grad. Sch. Sci., Nagoya Univ.) MAENO, Tomoaki; MURATSUGU, Satoshi; TADA, Mizuki
- 4G6-35** Synthesis of a new Ru porphyrin complex and its attachment on SiO₂ surface for regio- and shape- selective oxidation catalysis (Grad. Sch. Sci., Nagoya Univ.) TANIMOTO, Tatsuya; MURATSUGU, Satoshi; TADA, Mizuki
- 4G6-36** Synthesis of metal complexes using antibiotic-based ligands conjugated metal-binding sites (Fac. Sci., Kyushu Univ.) ASADA, Sana; KOSHIYAMA, Tomomi; OHBA, Masaaki
- 4G6-37[#]** Incorporation of Lipophilic Salen Complexes into Liposomes and Expression of Their Functions (Grad. Sch. Sci., Kyushu Univ.) NAKANISHI, Keita; HATAE, Tatsuru; KOSHIYAMA, Tomomi; OHBA, Masaaki
- 4G6-38** Preparations of Ruthenium Complexes ligating nitrosyl and neighboring nitrogen-containing ligands (Nagasaki Univ. Grad. Sch. Eng.) OTSUBO, Yuji; TAKEUCHI, Yuki; ARIKAWA, Yasuhiro; UMAKOSHI, Keisuke
- Chair: HAGA, Masaaki (15 : 30~16 : 30)
- * 15:20-15:30: interval for laptop PC connection.(4G6-40, 4G6-41, 4G6-42, 4G6-44)
- 4G6-40** Measurement of Single-Molecule Conductance of Ru-Based Organometallic Molecular Wire (Chem. Res. Lab., Tokyo Tech) SUGIMOTO, Kaho; TANAKA, Yuya; KIGUCHI, Manabu; AKITA, Munetaka
- 4G6-41** Electronic states of charge-transferred compounds with a chemically sensitive electron acceptor (IMR, Tohoku Univ.) FUKUNAGA, Hiroki; KOSAKA, Wataru; SAGAYAMA, Hajime; ARIMA, Taka-hisa; MIYASAKA, Hitoshi
- 4G6-42*** Syntheses and Redox Properties of Trinuclear Mo-S Complexes with Schiff Base Ligands (Grad. Sch. Sci., Osaka City Univ.) KAWAMOTO, Keisuke; AMAO, Yutaka; ISOBE, Kiyoshi; ICHIMURA, Akio; KINOSHITA, Isamu
- 4G6-44*** Synthesis and Properties of N-Fused Porphyrin Tungsten Complexes (Grad. Sch. Eng., Kyushu Univ.) YAMAMOTO, Takaaki; TOGANOH, Motoki; ISIDA, Masatoshi; FURUTA, Hiroyuki

Chair: TANAKA, Takayuki (16 : 40~17 : 00)

- * 16:30-16:40: interval for laptop PC connection.(4G6-47, 4G6-48)
- 4G6-47** Synthesis and Characterization of Oxoalcoholatomolybdenum(VI) Complexes as An Active Site Models of DMSOR Family (Grad. Sch. Eng., Osaka Univ.) SATO, Masanori; SUGIMOTO, Hideki; ITOH, Shinobu
- 4G6-48** First example of a hexadentate bicyclic phthalocyanine analogue containing a divalent metal center (Grad. Sch. Sci., Osaka Univ.) SHIGEYOSHI, Natsuko; FUYUHIRO, Akira; FUKUDA, Takamitsu; ISHIKAWA, Naoto

Room G7

Liberal Arts & Sciences Main Building
S21

Chemical Biology

Friday, March 28, AM

Chair: HORI, Yuichiro (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2G7-01, 2G7-02, 2G7-03, 2G7-04, 2G7-05, 2G7-06)
- 2G7-01** Development of Functionalized Persistent-Luminescence Nanoparticles with a Cell Targeting Molecules (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) TANIGUCHI, Nobuko; TAKI, Masayasu; YAMAMOTO, Yukio
- 2G7-02** A novel red luminescence pyrene derivative for two-photon fluorescence microscopy imaging of living cell. (Grad. Sch. Med., Yamaguchi Univ.) MORITOMO, Hiroki; SUGIHARA, Hiroyuki; SATOMI, Koichiro; FUJI, Akinari; NIKO, Yosuke; KONISHI, Gen-ichi; SUZUKI, Yasutaka; KAWAMATA, Jun
- 2G7-03** Synthesis and Biological Evaluation of the Epigallocatechin Gallate Derivative Possessing a Near Infrared Fluorescent Dye. (Grad. Sch. Sci., Eng., Tokyo Tech) MIYAKAWA, Junichi; SUEMASU, Yumi; KUMAZOE, Motofumi; TACHIBANA, Hirofumi; TAKAHASHI, Takashi; TANAKA, Hiroshi
- 2G7-04** Simple way to synthesize radio labelled aromatic iodides as SPECT

probes by using polymer-supported precursor (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAGAAW, Chika; TOYAMA, Masahito; TAKAHASHI, Takashi; TANAKA, Hiroshi

- 2G7-05** Innovation of New Luciferin Analog for in vivo Imaging (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) SAITO, Ryohei; KIYAMA, Masahiro; IWANO, Satoshi; KITADA, Nobuo; ITO, Kazuto; KARUBE, Kazuma; HIRANO, Takashi; NIWA, Haruki; MAKI, Syojiro
- 2G7-06** Creation of new firefly luciferin analog emitting in the world's longest wavelength. (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Grad. Sch. Sci. Tech., Keio Univ.) KARUBE, Kazuma; KITADA, Nobuo; MIURA, Chihiro; IWANO, Satoshi; HIRANO, Takashi; NIWA, Haruki; MAKI, Syojiro; SAITOU, Tuiyoshi; NISHIYAMA, Shigeru

Chair: SAITO, Takeshi (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2G7-08, 2G7-09, 2G7-10, 2G7-11, 2G7-12, 2G7-13)
- 2G7-08** Development and biological application of long-wavelength fluorogenic probes for labeling PYP-tag (Grad. Sch. Eng., Osaka Univ.) HIRAYAMA, Shinya; HORI, Yuichiro; KIKUCHI, Kazuya
- 2G7-09** Fluorogenic detection of DNA methylation by PYP-tag labeling system (Grad. Sch. Eng., Osaka Univ.) OTOMURA, Norimichi; HORI, Yuichiro; KIKUCHI, Kazuya
- 2G7-10** Structural optimization of fluorogenic probe for detection of histone deacetylase activity (Grad. Sch. Eng., Osaka Univ.) BABA, Reisuke; HORI, Yuichiro; KIKUCHI, Kazuya
- 2G7-11** Development of fluorogenic probe for detection of Sirt5 activity (Sch. Eng., Osaka Univ.) TAO, Tomomi; HORI, Yuichiro; BABA, Reisuke; KIKUCHI, Kazuya
- 2G7-12** Synthetic study of DOTA-M8 lanthanide ligand for in-cell NMR (RIKEN; Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) HIKONE, Yuya; HIRAI, Go; SODEOKA, Mikiko; ITO, Yutaka
- 2G7-13[#]** Catch and Release of Alkyne-Tagged Molecules in Aqueous Media Using Cobalt Beads (ERATO, JST; RIKEN) MIYAZAKI, Ayako; ASANUMA, Miwako; DODO, Kosuke; EGAMI, Hiromichi; SODEOKA, Mikiko

Chair: MAKI, Shojiro (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(2G7-15, 2G7-16, 2G7-17, 2G7-18)
- 2G7-15** stimuli-responsive compound release system using functionalized antimicrobial peptides (Grad. Sch. Eng., Osaka Univ.) KASHIBE, Masayoshi; MIZUKAMI, Shin; KIKUCHI, Kazuya
- 2G7-16** Development of pH-Activatable Fluorescent Probe with Long-Wavelength Emission (Grad. Sch. Eng., Osaka Univ.) MAEDA, Hiroki; KOWADA, Toshiyuki; KIKUCHI, Kazuya
- 2G7-17** Development of Protein-Labeling Probe for Single-Molecule Imaging in Living Cells (Sch. Eng., Osaka Univ.) SATO, Ryota; YOSHIMURA, Akimasa; KOZUKA, Jun; KUMAGAI, Yutaro; MIZUKAMI, Shin; KIKUCHI, Kazuya
- 2G7-18** Development of functional ¹⁹F MRI probe (Grad. Sch. Eng., Osaka Univ.; IFReC, Osaka Univ.) NAKAMURA, Tatsuya; SUGIHARA, Fuminori; YOSHIOKA, Yoshichika; MIZUKAMI, Shin; KIKUCHI, Kazuya

Natural Products Chemistry

Friday, March 28, PM

Chair: KOBAYASHI, Shoji (13 : 00~13 : 50)

- * 12:50-13:00: interval for laptop PC connection.(2G7-25, 2G7-26, 2G7-27, 2G7-28, 2G7-29)
- 2G7-25** Synthetic studies on anti-cancer agent pellasoren A (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) OKUMURA, Mao; SEKINE, Daisuke; KUBOTA, Kei; NAKAMURA, Tatuya; HOSOKAWA, Seiji
- 2G7-26** Synthetic studies on anti-cancer agent pectinatone having a branched alkyl chain (Sch. Advanced Sci. Eng., Waseda Univ.) IEKI, Takanori; NAKAMURA, Tatsuya; HOSOKAWA, Seiji
- 2G7-27** Synthetic studies on the antibiotic aculeximycin (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) KATO, Takuya; SATO, Tomohiko; HOSOKAWA, Seiji
- 2G7-28** A new synthetic method of DHHDP group, an oxidized form of the HHDP group. (Sch. Sci. Tech., Kwansai Gakuin Univ.) HIGASA, Sho; KANEKO, Yuki; HIROKANE, Tsukasa; YAMADA, Hidetoshi
- 2G7-29** Synthetic study of cardiolipin from bacteria (Grad. Sch. Sci., Osaka Univ.) TAKAMATSU, Masayuki; ASADA, Saori; FUJIMOTO, Yukari; FUKASE, Koichi

Chair: FUJIMOTO, Yukari (14 : 00~14 : 50)

- * 13:50-14:00: interval for laptop PC connection.(2G7-31, 2G7-32, 2G7-33, 2G7-35)
- 2G7-31** Total synthesis of a 3,4-HHDP bridge containing ellagitannin, cercidin A (Sch. Sci. Tech., Kwansai Gakuin Univ.) OHARA, Kenya; OGURA, Takahito; YAMADA, Hidetoshi
- 2G7-32** Synthetic Studies on Cornixistin: Construction of a Nine-membered Carbocycle by a Higher Order Cycloaddition Reaction (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) INAZU, Asami; TOYOTA, Takashi; HANADA,

Ryosuke; TANINO, Keiji

2G7-33* Synthesis of Epoxy-isoprostane Phosphocholine E2 via Cyclopentane Bromohydrin (Grad. Sch. Biosci. Biotech., Tokyo Tech) KAWASHIMA, Hidehisa; KOBAYASHI, Yuichi

2G7-35 Divergent total syntheses of hericenones and related natural products (Fac. Eng., OIT) KOBAYASHI, Shoji; TAMANOI, Hidetsugu; HASEGAWA, Yuichi; MASUYAMA, Araki

Chair: OHNO, Osamu (15 : 00~15 : 50)

* 14:50-15:00: interval for laptop PC connection.(2G7-37, 2G7-38, 2G7-39, 2G7-40, 2G7-41)

2G7-37 Studies on the proton tautomers of hipposudoric and norhipposudoric acids (IMRAM, Tohoku Univ.; Kyoto Pharm. Univ.) MATSUMOTO, Takatoshi; HASHIMOTO, Kimiko

2G7-38 Structure-activity relationship study of firefly luciferin aimed at the assessment of light emitting analogues (Grad. Sch. Sci. Tech., Keio Univ.) IOKA, Shuji; SAITOH, Tsuyoshi; IWANO, Satoshi; MAKI, Shouji; NIWA, Haruki; NISHIYAMA, Shigeru

2G7-39 A structure activity relationship study on firefly luciferin aimed at elucidation of firefly bioluminescence (Fac. Sci. Tech., Keio Univ.) ADACHI, Yuki; SAITOH, Tsuyoshi; IOKA, Shuji; MAKI, Shouji; NIWA, Haruki; NISHIYAMA, Shigeru

2G7-40 A study on the search for natural products from dinoflagellate which inhibit protein kinase, GSK-3 β . (Fac. Sci., Kanagawa Univ.) YAMAMOTO, Keita; OSHIMA, Takanori; KAWAZOE, Yoshinori; UEMURA, Daisuke

2G7-41 Laccase-catalyzed polymerization of ferulic acid derivative and structural analysis. (Department of Sci. Tech., Meiji Univ.) SOGA, Koji; MIYAKOSHI, Tetsuo

Chair: HASHIMOTO, Kimiko (16 : 00~16 : 40)

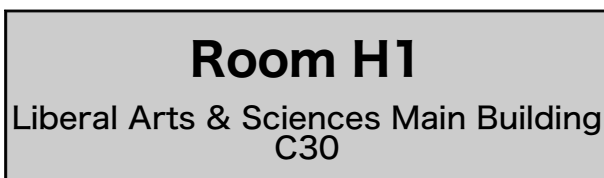
* 15:50-16:00: interval for laptop PC connection.(2G7-43, 2G7-44, 2G7-45, 2G7-46)

2G7-43 Effect of disaccharide moiety of vancomycin dimers on its antibacterial activity (Grad. Sch. Life Sci., Tohoku Univ.) WATANABE, Yuta; GAMO, Keizo; ARIMOTO, Hirokazu; XU, Shu

2G7-44 Analysis of the interaction with the cell wall synthesis enzyme PBP2 and vancomycin dimer using saturation transfer difference NMR (STD-NMR) experiments (Grad. Sch. Life Sci., Tohoku Univ.) GAMO, Keizo; SAKAKURA, Masayoshi; YUHARA, Yoshie; INABA, Kenzi; TAKAHASHI, Hideo; ARIMOTO, Hirokazu

2G7-45 Mechanistic investigation of the reaction catalyzed by a radical SAM epimerase NeoN in the biosynthesis of neomycin (Grad. Sch. Sci., Eng., Tokyo Tech) HOSHI, Shota; KAMACHI, Toshiaki; KUDO, Fumitaka; EGUCHI, Tadashi

2G7-46 Search for cell growth inhibitor from root of *Paeonia suffruticosa* Andr. (Grad. Sch. Sci. Tech., Keio Univ.) HUANG, Ying; YOSHIDA, Syosuke; OHNO, Osamu; SUENAGA, Kiyotake; MIYAMOTO, Kenji



Room H1

Liberal Arts & Sciences Main Building
C30

Organic Crystals

Thursday, March 27, PM

absorption/luminescence

Chair: HISAKI, Ichiro (13 : 10~14 : 10)

* 13:00-13:10: interval for laptop PC connection.(1H1-26, 1H1-27, 1H1-28, 1H1-29, 1H1-30)

1H1-26 Preparation and characterization of functional naphthoquinone pigment with hydroxyl group (Fac. Sci. Eng., Kinki Univ.) AKIYAMA, Hirotaka; INOUE, Takahumi; AMAKO, Tomoyuki; TAJIMA, Nobuo; KURODA, Reiko; IMAI, Yositate

1H1-27 Preparation of chiral phenylethynyl-benzene supramolecular complex with guest inclusion ability (Kinki Univ.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.) WAKABAYASHI, Takashi; AMAKO, Tomoyuki; TABATA, Hideyuki; KURODA, Reiko; IMAIMAI, Yoshitane

1H1-28 Structural control of biphenylcarboxylic acid/benzylamine-supramolecular organic fluorophore by fluoro substituent (Kinki Univ.; Fac. Sci. Eng., Kinki Univ.; Res. Inst. Sci. Technol., Tokyo Univ. of Sci.) TANAKA, Yuki; HIRAKAWA, Hiroaki; TABATA, Hideyuki; KURODA, Reiko; IMAI, Yoshitane

1H1-29 Optical properties of polymorphs of 2,5-bis(dimethylamino)-3,6-dicyanopyrazine (Fac. Education Human Sci., Yokohama Natl. Univ.) SAKATA, Takuma; MATSUMOTO, Shinya

1H1-30* Emission Properties of Diaroylmethanoboron Difluoride Possessing Halogen Atoms (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) SAKAI, Atsushi;

TANAKA, Mirai; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi

molecular assembly

Chair: IMAI, Yoshitane (14 : 20~15 : 20)

* 14:10-14:20: interval for laptop PC connection.(1H1-33, 1H1-34, 1H1-36, 1H1-37)

1H1-33 Syntheses and characterization of novel organic acceptor molecule "octaazheptacenedione(DOAHc)" derivatives (Fac. Sci., Tokyo Univ. of Sci.) MATSUZAKA, Mitsuru; ISODA, Kyosuke; TADOKORO, Makoto

1H1-34* Crystal Structures and Fluorescence Properties of o-, m-, p-Cyano-Substituted Diphenylhexatrienes (AIST) SONODA, Yoriko; AZUMI, Reiko; GOTO, Midori

1H1-36 Supramolecular assemblies of ortho-aryl substituted Octahydrodibenzof[12]annulene derivatives and their properties. (Grad. Sch. Eng., Osaka Univ.) OSAKA, Keisuke; HISAKI, Ichiro; TOHNAI, Norimitsu; MIYATA, Mikiji

1H1-37* Room Temperature Phosphorescence of Crystalline, Heavy-Atom-Free Benzene Derivatives (Grad. Sch. Biosci. Biotech., Tokyo Tech) KUNO, Shinichi; OHTANI, Hiroyuki; SHINGAI, Hitomi; YUASA, Hideya

supramolecular chemistry/chirality

Chair: SONODA, Yoriko (15 : 30~16 : 30)

* 15:20-15:30: interval for laptop PC connection.(1H1-40, 1H1-41, 1H1-42, 1H1-44, 1H1-45)

1H1-40 Asymmetric Synthesis of Isoindolinone Derivatives by Dynamic Preferential Crystallization (Grad. Sch. Eng., Chiba Univ.) ISHIKAWA, Hiroshi; YAGISHITA, Fumitoshi; MINO, Takashi; SAKAMOTO, Masami

1H1-41 Elucidation of Mechanisms of Chiral Crystallization and Spontaneous Resolution Based on Hydrogen-bonding Twofold Helical Assemblies Formed by Achiral Ammonium Carboxylates (Grad. Sch. Eng., Osaka Univ.) IDA, Yoko; SASAKI, Toshiyuki; TOHNAI, Norimitsu; HISAKI, Ichiro; MIYATA, Mikiji

1H1-42* Hierarchical Crystal Design Based on Assembly Control of Chiral Hydrogen Bonded Supramolecular Modules by Halogen Bonds (Grad. Sch. Eng., Osaka Univ.) SASAKI, Toshiyuki; IDA, Yoko; HISAKI, Ichiro; TOHNAI, Norimitsu; MIYATA, Mikiji

1H1-44 Hierarchical Construction of Luminescent Porous Structures Facilitated Self-assembly of Supramolecular Clusters (Grad. Sch. Eng., Osaka Univ.) MIYANO, Tetsuya; YAMAMOTO, Atsushi; HISAKI, Ichiro; MIYATA, Mikiji; TOHNAI, Norimitsu

1H1-45 Absolute structure of benzophenone crystal and its optical activity (Sch. Advanced Sci. Eng., Waseda Univ.) HAGIWARA, Yuki; ISHIKAWA, Kazuhiko; KOSHIMA, Hideko; ASAHI, Toru

hydrogel/inclusion crystal/others

Chair: TADOKORO, Makoto (16 : 40~17 : 30)

* 16:30-16:40: interval for laptop PC connection.(1H1-47, 1H1-48, 1H1-49, 1H1-51)

1H1-47 Gelation ability of chiral organic radical amphiphiles and properties of the resulting magnetic hydrogels (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) TAKEMOTO, Yusa; YAMAMOTO, Takayuki; ONISHI, Keita; SUZUKI, Katsuki; IKUMA, Naohiko; UCHIDA, Yoshiaki; SHIMONO, Satoshi; TAMURA, Rui; KATO, Tatsuhisa; YAMAUCHI, Jun

1H1-48 1D channel type host framework using H-shaped molecule with catechol groups (Tokyo Tech department of chemistry) OTA, Kiyoshi; SEKINE, Akiko; UEKUSA, Hidehiro

1H1-49* Synthesis, Crystal Growth, and Dielectric Characterization of Polar Diamond Molecules (MSL, Tokyo Tech) NAMIKI, Hiromasa; SASAGAWA, Takao

1H1-51 Air-Stable Cyclohexasulfur as Cocrystal (JASRI Research & Utilization Division) SUGIMOTO, Kunihisa; UEMACHI, Hiroshi; MAEKAWA, Masahiko; FUJIWARA, Akihiko

Friday, March 28, AM

luminescent material/medicinal compound

Chair: MATSUMOTO, Shinya (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2H1-01, 2H1-02, 2H1-03, 2H1-04, 2H1-05, 2H1-06)

2H1-01 Preparation and luminescent properties of single crystal of bipyrrroles (Kitakyushu Nat. Coll. of Tech.) OKAWARA, Toru; DOI, Akane; MATSUSHIMA, Shigenori; HISAEDA, Yoshio; TAKEHARA, Kenji

2H1-02 Synthesis and Crystal Structure of Bipyrrroles Bearing Ester Groups as Side Chains (Grad. Sch. Life Sci. Sys. Eng., KIT) DOI, Akane; OKAWARA, Toru; HISAEDA, Yoshio; MATSUSHIMA, Shigenori

2H1-03 Structures and Solid-state Emission of Zwitterionic Imidazolium Salts with 3-Pyridinolate Group. (Grad. Sch. Eng. Sci., Osaka Univ.) YOSHIDA, Atsushi; KOMIYA, Naruyoshi; NAOTA, Takeshi

2H1-04 Recognition of isotopologues via formation of alternate stacking structure in coordination framework (Grad. Sch. Eng., Kyoto Univ.) FUKUSHIMA, Tomohiro; HORIKE, Satoshi; KITAGAWA, Susumu

- 2H1-05** Crystal polymorph dependent co-crystal formation of mefenamic acid by solid-state grinding method (Grad. Sch. Sci., Eng., Tokyo Tech) MORI, Shintaro; SEKINE, Akiko; UEKUSA, Hidehiro
- 2H1-06** Packing motif and co-crystal for zwitterionic amino acid using Baclofen (Tokyo Tech Department of Chemistry) TERAOKA, Kota; SEKINE, Akiko; UEKUSA, Hidehiro

theoretical calculation/organic semiconductor

Chair: SEKINE, Akiko (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2H1-08, 2H1-10, 2H1-12)
- 2H1-08*** Theoretical prediction of the organic crystal structures: application to benzene and polycyclic aromatic molecules and pressure dependence (NRI, AIST; Toyohashi Univ. of Tech.) NIITSU, Naoyuki; OBATA, Shigeaki; MIURA, Toshiaki; SHIMOI, Yukihiro
- 2H1-10*** Intermolecular interactions between chalcogen containing aromatic molecules: Comparison of the interactions of S, Se and Te by ab initio molecular orbital calculations (NRI, AIST; ICR, Kyoto Univ.) TSUZUKI, Seiji; SATO, Naoki
- 2H1-12*** Properties of terazulene isomers connected at 2,6-position and their application to OFET (Grad. Sch. Sci., Eng., Yamagata Univ.; Fac. Eng., Yamagata Univ.) YAMAGUCHI, Yuji; TAKUBO, Maki; NAKAYAMA, Ken-ichi; KATAGIRI, Hiroshi

coordination chemistry/charge transfer

Chair: KATAGIRI, Hiroshi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2H1-15, 2H1-17, 2H1-19, 2H1-20)
- 2H1-15*** Effects of Alkyl Chain Substitution on the Crystal Structure of Squarylium Dye and Nickel Glyoxime Complex (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) UEJI, Kan; SHINOZAKI, Satsuki; ABE, Keiichi; TOMONO, Kazuaki; TAMAKI, Yoshinori; MIYAMURA, Kazuo
- 2H1-17*** Single-Crystal X-ray Structure Analysis of La-Endohedral Metallofullerenes using Co-crystal with Porphyrin (FAIS; TARA, Univ. of Tsukuba; Fac. of Edu., Tokyo Gakugei Univ.; XJTU; NCCU; Kyoto Univ. FIFC; UC Davis) SUZUKI, Mitsuaki; MIZOROGI, Naomi; TAO, Yang; SLANINA, Zdenek; ZHAO, Xiang; YAMADA, Michio; MAEDA, Yutaka; HASEGAWA, Tadashi; NAGASE, Shigeru; OLMSTEAD, Marilyn M.; BALCH, Alan L.; AKASAKA, Takeshi
- 2H1-19** Crystal Structures and Physical Properties of *n*-Dodecylammonium Pyridine Sulfonates (IMRAM, Tohoku Univ.) FUNADA, Atsushi; HOSHINO, Norihisa; TAKEDA, Takashi; AKUTAGAWA, Tomoyuki
- 2H1-20** Crystal Structures and Selective Dimerization of Triazole-fused *p*-Benzoquinone in Charge-Transfer Complexes (Grad. Sch. Eng., Tohoku Univ.) SATO, Masahiro; TAKEDA, Takashi; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki

Friday, March 28, PM

dynamic behavior

Chair: YAMADA, Shinji (14 : 00~15 : 00)

- * 13:50-14:00: interval for laptop PC connection.(2H1-31, 2H1-32, 2H1-33, 2H1-34, 2H1-35)
- 2H1-31** Photomechanical Motion of Chiral Crystals of Azobenzenes (Grad. Sch. Sci., Eng., Ehime Univ.) KOSHIMA, Hideko; FUJISAWA, Juri; MATSUDOMI, Masafumi
- 2H1-32** Fluorescence spectral change of dibenzoylmethane in crystal formation process during the droplet evaporation (Fac. Edu., Shinshu Univ.) ITO, Fuyuki; SUZUKI, Yukino; FUJIMORI, Jun-ichi; SAGAWA, Takehiro
- 2H1-33** Fluorescence property and crystal formation process of stilbene derivative with aggregation induced enhanced emission (Fac. Edu., Shinshu Univ.) FUJIMORI, Jun-ichi; ITO, Fuyuki
- 2H1-34** Symmetry and Dynamic Properties of Halogen-Substituted Benzene Derivatives (Grad. Sch. Eng., Tohoku Univ.) ICHIKAWA, Jun-ichi; HOSHINO, Norihisa; TAKEDA, Takashi; AKUTAGAWA, Tomoyuki
- 2H1-35*** Phase transition of organic single crystal composed of multi-block amphiphile (IMRAM, Tohoku Univ.) SHIMA, Tatsuya; MURAOKA, Takahiro; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki; KINBARA, Kazushi

solvation/crystallization

Chair: KATAGIRI, Toshimasa (15 : 10~16 : 10)

- * 15:00-15:10: interval for laptop PC connection.(2H1-38, 2H1-39, 2H1-40, 2H1-42)
- 2H1-38** Crystalline Solvent Exchange Induced Vapochromism of Organic Co-crystal (Grad. Sch. Sci., Eng., Tokyo Tech) SAKON, Aya; SEKINE, Akiko; UEKUSA, Hidehiro
- 2H1-39** Changes in the Crystal Structures of Azachalcone Derivatives through Dehydration - Hydration Process. (Ochanomizu Univ. Department of chemistry) KATSUKI, Ayaka; YAMADA, Shinji
- 2H1-40*** Porous Structure and Behavior of Crystal Water in 4-Nitrostrylpyridinium Chloride Hydrate Crystal (Ochanomizu Univ. Department of

- Chemistry) SAKO, Nodoka; YAMADA, Shinji; YAMADA, Kazuhiko
- 2H1-42*** Crystallization of tetrapodal adamantanes bearing N-heterocyclic parts via spherical assemblies (Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) TOMINAGA, Masahide; HASHIMOTO, Chihiro; ITOH, Tsutomu; OHARA, Kazuaki; YAMAGUCHI, Kentaro; AZUMAYA, Isao

crystal growth/solvent/solution

Chair: AZUMAYA, Isao (16 : 20~17 : 20)

- * 16:10-16:20: interval for laptop PC connection.(2H1-45, 2H1-46, 2H1-47, 2H1-49)
- 2H1-45** Crystal and solution structures of peri-arylnaphthalene compounds with alignment design of aroyl groups (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) YOSHIWAKA, Sayaka; OKAMOTO, Akiko; MOHRI, Saki; YONEZAWA, Noriyuki
- 2H1-46** Structures of metal salt-DMI ; a highly polar aprotic solvent system (Okayama Univ. Faculty of Engineering) YAMANE, Shoko; KIKUCHI, Seiya; OTA, Hiroshi; KATAYAMA, Yousuke; KATAGIRI, Toshimasa
- 2H1-47*** Crystal growth control of lysozyme by laser trapping (Instrument Technology Research Center) SUGIYAMA, Teruki; TU, Jing-ru; YUYAMA, Ken-ichi; MASUHARA, Hiroshi
- 2H1-49*** Self-driven Motion of Oil Droplets Launched by UV Irradiation (Fac. Sci., Kanagawa Univ.; The Univ. of Tokyo Research Center for Complex Systems Biology; Toyota Physical and Chemical Research Institute) SUZUKI, Kentaro; SUGAWARA, Tadashi

Asian International Symposium-Organic Crystals-

Saturday, March 29, PM

Chair: Sato, Naoki (13 : 00~14 : 10)

- 3H1-25[#] Keynote Lecture** Interfacial effects in molecular devices: from concept to functions (Peking University) Guo, Xuefeng (13:00~13:30)
- 3H1-28[#] Invited Lecture** Soluble organic-inorganic hybrid semiconductors (Hokkaido University) Lorena, Giancarlo Soriano (13:30~13:50)
- 3H1-30[#] Invited Lecture** Triboluminescence and functional properties of trifluoromethylphenyl substituted phthalimides and heterocyclic compounds (University of Hyogo, Tokyo Institute of Technology) Nishida, Jun-ichi; Yamashita, Yoshiro (13:50~14:10)

Chair: Yamashita, Yoshiro (14 : 10~15 : 10)

- 3H1-32[#] Invited Lecture** Charge generation mechanisms in molecular semiconductor thin films (Kyoto University) Murdey, Richard (14:10~14:30)
- 3H1-34[#] Invited Lecture** Azulene-based conjugated oligomers for organic field-effect transistors (Yamagata University) Katagiri, Hiroshi (14:30~14:50)
- 3H1-36[#] Invited Lecture** Negative magnetoresistance in organic ionic semiconductors (NIMS) Kobayashi, Yuka (14:50~15:10)

Chair: Akazome, Motohiro (15 : 10~15 : 50)

- 3H1-38[#] Invited Lecture** Modulation of solid-state luminescence properties of donor/acceptor-substituted stilbene derivatives by controlling isomerizations (Osaka University) Chen, Chien-Chih (15:10~15:30)
- 3H1-40[#] Invited Lecture** Solvent-induced reversed stereoselectivity in the reciprocal diastereomeric resolutions (Saitama University) Kodama, Koichi (15:30~15:50)

Chair: Matsumoto, Akikazu (15 : 50~17 : 00)

- 3H1-42[#] Keynote Lecture** Chiral polybissiloxanes through supramolecular templating approaches (Soochow University) Yang, Yong-Gang (15:50~16:20)
- 3H1-45[#] Invited Lecture** Structure/property relationship of polymorph-dependent ES IPT luminescence (the University of Tokyo) Mutai, Toshiki (16:20~16:40)
- 3H1-47[#] Invited Lecture** Crystalline supramolecular nanofibers based on dehydrobenzoannulene derivatives (Osaka University) Hisaki, Ichiro (16:40~17:00)

Room H2

Liberal Arts & Sciences Main Building
C31

Energy and Related Chemistry

Thursday, March 27, AM

Chair: NAGASAKA, Masanari (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1H2-01, 1H2-03, 1H2-04, 1H2-05)
- 1H2-01*** H2 production from dehydrogenation of formic acid using new

designed high-performance iridium complexes (ETRI, AIST; Brookhaven Nat. Lab.; JST, CREST) MANAKA, Yuichi; SUNA, Yuki; WANG, Wanhui; FUJITA, Etsuko; MUCKERMAN, James T.; HIMEDA, Yuichiro
1H2-03 Change in the structure and hydrogen storage properties of zinc-terephthalic acid frameworks by adsorption of lithium aluminum hydride (Grad. Sch. Eng., Oita Univ.) BUTSUGAN, Kumiko; MATSUNAGA, Takahiro; KINUMOTO, Tarou; TUMURA, Tomoki; TOYODA, Masahiro
1H2-04 Hydrogen Storage and Spectroscopic Property of Porous Coordination Polymers (Grad. Sch. Eng., Kyoto Univ.) TSUTSUMI, Yosuke; HIGUCHI, Masakazu; OSHIMA, Shinji; KITAGAWA, Susumu
1H2-05** Efficient solar-driven hydrogen production with p-CuO photocathode (Inst. Sci. Tech. Res., Chubu Univ.) ZHRAN, Zaki; MOHAMED, Eman; NARUTA, Yoshinori

Chair: NARUTA, Yoshinori (10 : 10~11 : 00)

* 10:00-10:10: interval for laptop PC connection.(1H2-08, 1H2-09, 1H2-10, 1H2-11, 1H2-12)
1H2-08 Study on preparation of BiVO₄ photoelectrode catalysts by the solvothermal method and their solar water splitting performance (Fac. Eng., Tokyo Univ. of Sci.) KAWASAKI, Shuma; KIMPARA, Hironari; OZAWA, Hironobu; ARAKAWA, Hironori
1H2-09 Study on solar water splitting reaction using α -Fe₂O₃ photoelectrode catalyst prepared by hydrothermal method (Fac. Eng., Tokyo Univ. of Sci.) ISHIKAWA, Hiroki; MACHIDA, Yuya; OZAWA, Hironobu; ARAKAWA, Hironori
1H2-10 Study on solar water splitting by hetero-junction WO₃ photoelectrode catalysts (Fac. Eng., Tokyo Univ. of Sci.) TAMURA, Tasuku; YANAGI, Akihiro; OZAWA, Hironobu; ARAKAWA, Hironori
1H2-11 Photoelectrochemical Properties of Heterojunction TiO₂/Boron-Doped Diamond Electrodes (Fac. Sci. Technol., Tokyo Univ. of Sci.) HISHINUMA, Ryota; TERASHIMA, Chiaki; NAKATA, Kazuya; KONDO, Takeshi; YUASA, Makoto; FUJISHIMA, Akira
1H2-12 Enhancement of catalytic activity of water splitting photocatalysts by loading controlled metal clusters as co-catalysts (Fac. Sci., Tokyo Univ. of Sci.) TOMIZAWA, Ryota; HIRAYAMA, Michiyu; MATSUURA, Yoshiki; TAKAYAMA, Tomoaki; IWASE, Akihiko; KUDO, Akihiko; NEGISHI, Yuichi

Chair: URUGA, Tomoya (11 : 10~12 : 10)

* 11:00-11:10: interval for laptop PC connection.(1H2-14, 1H2-16, 1H2-18)
1H2-14* In-Situ Observation of Electrochemical Reaction by Soft X-Ray Absorption Spectroscopy with Potential Modulation Method (IMS) NAGASAKA, Masanari; YUZAWA, Hayato; HORIGOME, Toshio; KOSUGI, Nobuhiro
1H2-16* Structural investigations of ionic liquid / rubrene single crystal interfaces by using FM-AFM (Sch. Eng. Sci., Osaka Univ.) YOKOTA, Yasuyuki; HARA, Hisaya; MORINO, Yusuke; IMANISHI, Akihito; OKADA, Yugo; UEMURA, Takafumi; TAKEYA, Junichi; FUKUI, Ken-ichi
1H2-18* Diffusion Layer at Ionic Liquid/Electrode Interface Formed During Electrodeposition Studied by In-situ Electrochemical XPS (Grad. Sch. Eng. Sci., Osaka Univ.) MASAKI, Hirogaki; TSUDA, Tetsuya; KUWABATA, Susumu; FUKUI, Ken-ichi; IMANISHI, Akihito

Thursday, March 27, PM

Chair: NEGISHI, Yuichi (13 : 20~14 : 10)

* 13:10-13:20: interval for laptop PC connection.(1H2-27, 1H2-28, 1H2-29, 1H2-30)
1H2-27 Electrochemical reduction of carbon dioxide at surface modified boron-doped diamond electrodes (Fac. Sci. Technol., Tokyo Univ. of Sci.) YAMAGUCHI, Hiromi
1H2-28 Chemical Bias Coupled Photoelectrochemical Zero Bias Hydrogen Generation Utilizing Self-Assembled Nanoarchitecture electrode (4) (Fukushima Nat. Coll. Tech Department of Chemistry) ENDO, Haruka; SATOH, Masataka; KAMO, Yoichi; SAKAMAKI, Kenji
1H2-29 NH₃ synthesis using photon energy (ETRI, AIST) SAYAMA, Kazuhiro; MISEKI, Yugo; KOSHINO, Nobuyoshi; WANG, Nini; HIGASHIMURA, Hideyuki
1H2-30* Ultra-Low Platinum Loaded Carbon Nanotube-based electrocatalysts with High Utilization Efficiencies (J₂CNER, Kyushu Univ.) FUJIGAYA, Tsuyohiko; NAKASHIMA, Naotoshi; HAFEZ, Inas

Chair: IYAMA, Taku (14 : 20~15 : 30)

* 14:10-14:20: interval for laptop PC connection.(1H2-33, 1H2-35, 1H2-37, 1H2-38)
1H2-33* Oxygen Reduction Reaction of Nitrogen-doped Graphitic Structure Using Carbon Nanotubes as a Catalyst Support (Grad. Sch. Eng., Kyushu Univ.) NAKASHIMA, Naotoshi; FUJIGAYA, Tsuyohiko; MORITA, Junichi
1H2-35** In-situ XAFS, STEM/EDS and electrochemical analyses of MEA Pt/C catalyst deterioration during repeated anode gas exchange cycles (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications) SAMJESKE, Gabor; HIGASHI, Koutarou; TAKAO, Shinobu; NAGAMATSU, Shinichi; NAGASAWA, Kensaku; SEKIZAWA, Oki; KANEKO, Takuma; IMAIZUMI, Yoshiaki; URUGA, Tomiya;

IWASAWA, Yasuhiro

1H2-37 In-situ investigation of a Pt/C electrode using ambient pressure hard X-ray photoelectron spectroscopy (IMS) TAKAGI, Yasumasa; WANG, Heng; UEMURA, Yohei; SEKIZAWA, Oki; URUGA, Tomoya; TADA, Mizuki; IWASAWA, Yasuhiro; YOKOYAMA, Toshihiko
1H2-38* Frequency Effects on Sonochemical Preparation of Nanocarbon Supported Pt Catalysts for Fuel Cells (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Honda Electronics Co., Ltd.) HATANAKA, Shin-ichi; SAKAKIBARA, Yukitaro; KOBAYASHI, Yuki; HAYASHI, Shigeo; ASAKURA, Yoshiyuki

Chair: FUJIMORI, toshihiko (15 : 40~16 : 30)

* 15:30-15:40: interval for laptop PC connection.(1H2-41, 1H2-43, 1H2-44, 1H2-45)
1H2-41* Magnesium Insertion/Extraction Properties of Sulfur-doped Vanadium Pentoxide as a Cathode Active Material (Saitama Inst. of Tech.; Saitama Industrial Technology Center) INAMOTO, Masashi; KURIHARA, Hideki; YAJIMA, Tatsuhiko
1H2-43 Rechargeable batteries using benzoquinones bearing halogens (Grad. Sch. Sci., Osaka Pref. Univ.; Murata Manufacturing Co.) YOKOJI, Takato; MATSUBARA, Hiroshi; SATOH, Masaharu
1H2-44 Preparation of all-solid-state lithium secondary batteries with surface-modified LiNi_{0.5}Mn_{1.5}O₄ active materials (Grad. Sch. Eng., Osaka Pref. Univ.) HAYASHI, Akitoshi; YUBUCHI, So; ITO, Yusuke; MATSUYAMA, Takuya; TATSUMISAGO, Masahiro
1H2-45 Electrochemical behavior of Li₇La₃Zr₂O₁₂/organic solvents composite electrolyte (Grad. Sch. Eng., Shizuoka Univ.) HOSHINO, Yukinori; SAGANE, Fumihiko; SUDA, Seichi

Chair: YAJIMA, Tatsuhiko (16 : 40~17 : 30)

* 16:30-16:40: interval for laptop PC connection.(1H2-47, 1H2-49, 1H2-50, 1H2-51)
1H2-47** The elucidation of ionic behaviors in carbon electrodes of electric double layer capacitors in charging and discharging processes. (ENCs, Shinshu Univ.) FUTAMURA, Ryusuke; IYAMA, Taku; FUJIMORI, Toshihiko; IWAMA, Etsuro; SIMON, Patrice; HATA, Kenji; KANEKO, Katsumi
1H2-49 Preparation and characterization of Na₃PS₄-Na₃AlS₃ glass and glass-ceramic electrolytes (Grad. Sch. Eng., Osaka Pref. Univ.) HAYASHI, Akitoshi; NAKAMURA, Yuta; TANIBATA, Naoto; TATSUMISAGO, Masahiro
1H2-50 Preparation and characterization of highly lithium ion conducting argyrodite-type Li₆PS₅X (X = Cl, Br, I) solid electrolytes (Grad. Sch. Eng., Osaka Pref. Univ.) HAYASHI, Akitoshi; UKAWA, Yosuke; HAKARI, Takashi; TATSUMISAGO, Masahiro
1H2-51 Preparation and characterization of composite solid electrolytes based on Li₃PS₄ (Grad. Sch. Eng., Osaka Pref. Univ.; Idemitsu Kosan Co.) HAYASHI, Akitoshi; NAGAO, Kenji; TAKANO, Ryouhei; SEINO, Yoshikatu; HIGUCHI, Hiroyuki; TATSUMISAGO, Masahiro

Friday, March 28, AM

Chair: ISHII, Ayumi (9 : 00~9 : 50)

* 8:50-9:00: interval for laptop PC connection.(2H2-01, 2H2-02, 2H2-03, 2H2-05)
2H2-01 Molecular design of NIR dyes to enhance IPCE for the hybrid type DSSCs (Grad. Sch. Life Sci. Sys. Eng., KIT) FUJIKAWA, Naotaka; SHEN, Qing; NISHIMURA, Terumi; SHIVASHIMPLI, Gururaj; OGOMI, Yuhei; PANDEY, Shyam; YAMAGUCHI, Yoshihiro; MA, Tingli; HAYASE, Shuzi
2H2-02 Fabrication of thin film solar cells using metal xanthate precursors (Grad. Sch. Life Sci. Sys. Eng., KIT; Fac. Eng., Univ. of Miyazaki; Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) KAWANO, Minobu; VAGVALA, Tarun; KIMURA, Shota; NISHIMURA, Kohei; OGOMI, Yuhei; SHEN, Qing; YOSHINO, Kenji; PANDEY, Shyam; TOYODA, Taro; MA, Tingli; HAYASE, Shuzi
2H2-03* inorganic-organic hybrid solar cells utilizing perovskite (Grad. Sch. Life Sci. Sys. Eng., KIT; Grad. Sch. Sci. Eng., The Univ. of Electro-Communications; Fac. Eng., Univ. of Miyazaki) OGOMI, Yuhei; MIRITA, Atsushi; TSUKAMOTO, Syota; KAWANO, Minobu; SAITO, Takahiro; SHEN, Qing; TOYODA, Taro; YOSHINO, Kenji; PANDEY, Shyam s; MA, Tingli; HAYASE, Shuzi
2H2-05 Fabrication of Highly Efficient Perovskite-based Solar Cells Based on Single Crystal X-ray Analysis (ICR, Kyoto Univ.; JST-PRESTO) ENDO, Masaru; WAKAMIYA, Atsushi; SASAMORI, Takahiro; TOKITO, Norihiro; MURATA, Yasujiro

Chair: OGOMI, Yuhei (10 : 00~11 : 00)

* 9:50-10:00: interval for laptop PC connection.(2H2-07, 2H2-09, 2H2-11)
2H2-07* Development of high voltage organic-inorganic hybrid photovoltaic cells with perylene hole transport materials (Grad. Sch. Eng., Toin Univ. of Yokohama) ISHII, Ayumi; MIYASAKA, Tsutomu
2H2-09** Energy-Storable Dye-Sensitized Solar Cells with High Voltage (RCAST, The Univ. of Tokyo) AWAI, Fumiyasu; SASAKI, Mari; NAKAZAKI, Jotaro; KUBO, Takaya; SEGAWA, Hiroshi
2H2-11* Energy-Storable Dye-Sensitized Solar Cells with indicator function

(RCAST, The Univ. of Tokyo; Sony Corp.) SASAKI, Mari; BARAILI, Shankar; OGURA, Reiko; KUBO, Takaya; SEGAWA, Hiroshi

Chair: MAITANI, Masato (11 : 10~12 : 40)

- * 11:00-11:10: interval for laptop PC connection.(2H2-14, 2H2-15, 2H2-16, 2H2-17, 2H2-18, 2H2-19, 2H2-21)
- 2H2-14** Plasmon-enhanced Photoenergy Conversion with (AgIn)_xZn_{2(1-x)}S₂ Nanoparticulate Photoelectrodes (Grad. Sch. Eng., Nagoya Univ.) IWAMOTO, Yuuta; TAKAHASHI, Takuya; KAMEYAMA, Tatsuya; KUWABATA, Susumu; TORIMOTO, Tsukasa
- 2H2-15** Plasmon-induced photoelectric conversion using titanium dioxide thin-film photoelectrode prepared by atomic layer deposition (RIES, Hokkaido Univ.) NAKAMURA, Keisuke; KAMATA, Yoshiomi; SHI, Xu; OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
- 2H2-16** Near IR light response of Ag₈SnS₆ Nanoparticles Immobilized on porous SnO₂ electrodes (Grad. Sch. Eng., Nagoya Univ.) FURUSAWA, Hideaki; FUJITA, Shigetoshi; KAMEYAMA, Tatsuya; TORIMOTO, Tsukasa
- 2H2-17** Construction of a photoelectric conversion system using a nanophotonic structure and a bacteriorhodopsin thin film (NICT Advanced ICT Research Institute) KAJI, Takahiro; KASAI, Katsuyuki; INOUE, Shin-ichiro; HARUYAMA, Yoshihiro; YAMADA, Toshiki; TOMINARI, Yukihiro; UEDA, Rieko; TERUI, Toshifumi; TANAKA, Shukichi; OTOMO, Akira
- 2H2-18** Hybrid organic/ inorganic solar cell using Si nanowire array (Fac. Sci., Hiroshima Univ.) TOKUDA, Kazuma; KATTE, Takayoshi; KAJIYA, Daisuke; SAITOW, Ken-ichi
- 2H2-19*** Near-Infrared Photoelectric Conversion of PbS-Quantum-Dot / ZnO Nanowire Solar Cells (RCAST, The Univ. of Tokyo) WANG, Haibin; SANEHIRA, Yoshitaka; NAKAZAKI, Jotaro; KUBO, Takaya; SEGAWA, Hiroshi
- 2H2-21*** Highly efficient wideband dye-sensitized solar cells with spin-flip absorption (RCAST, The Univ. of Tokyo) KINOSHITA, Takumi; UCHIDA, Satoshi; SEGAWA, Hiroshi

Friday, March 28, PM

Chair: FUJISAWA, Jun-ichi (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2H2-28, 2H2-29, 2H2-30, 2H2-31, 2H2-32, 2H2-33)
- 2H2-28** Fabrication of Electrodeposited Iron Oxide-Based Photoanodes and its Photovoltaic Cell utilizing Organic Redox Mediators (Sch. Advanced Sci. Eng., Waseda Univ.) TAKAMURA, Masaki; MARUO, Hirofumi; SUZUKA, Michio; KATO, Fumiaki; OYAIZU, Kenichi; NISHIDE, Hiroyuki
- 2H2-29** Withdrawn
- 2H2-30** Quasi-Solid Dye-Sensitized Solar Cells composed of Nitroxide Radical-based Gel-electrolyte (Sch. Advanced Sci. Eng., Waseda Univ.) SHIMAZAKI, Yuma; KATO, Fumiaki; OYAIZU, Kenichi; NISHIDE, Hiroyuki
- 2H2-31** Dye-Sensitized Solar Cell utilizing Ferrocenylimidazolium as a Redox Mediator (Sch. Advanced Sci. Eng., Waseda Univ.) IKEDA, Hiroki; KATO, Fumiaki; OYAIZU, Kenichi; NISHIDE, Hiroyuki
- 2H2-32*** TCO-less back contact dye sensitized solar cell using zinc porphyrin dye based on cobalt based redox electrolyte (Grad. Sch. Life Sci. Sys. Eng., KIT) MOLLA, Md. zaman; PANDEY, Shyam sudhir; OGOMI, Yuhei; MA, Tingli; HAYASE, Shuzi
- 2H2-33*** Approaches implemented to enhance the photovoltaic characteristics of Coil based TCO-less cylindrical dye sensitized solar cells (Grad. Sch. Life Sci. Sys. Eng., KIT) KAPIL, Gaurav; PANDEY, Shyam sudhir; OGOMI, Yuhei; MA, Tingli; HAYASE, Shuzi

Chair: KATO, Fumiaki (16 : 50~17 : 40)

- * 16:40-16:50: interval for laptop PC connection.(2H2-48, 2H2-50, 2H2-51, 2H2-52)
- 2H2-48*** Effect of cation species in electrolyte on the carrier dynamics in dye-sensitized solar cells (Fac. Sci. Eng., Chuo Univ.) KUWAHARA, Shota; TAYA, Soichiro; SHEN, Qing; TOYODA, Taro; KATAYAMA, Kenji
- 2H2-50** Control of back electron transfer by {001} facet of anatase TiO₂ in dye-sensitized solar cells (Grad. Sch. Sci., Eng., Tokyo Tech) SUZUKI, Kohei; MAITANI, Masato; MOCHIZUKI, Dai; SUZUKI, Eiichi; WADA, Yuji
- 2H2-51** Effects of anatase TiO₂ {010} facet on the electron transfer process of the dye-sensitization of TiO₂ (Grad. Sch. Sci., Eng., Tokyo Tech) KASHIBUCHI, Kohei; MAITANI, Masato; MOCHIZUKI, Dai; SUZUKI, Eiichi; WADA, Yuji
- 2H2-52** Adsorption effect of D-pi-A Dye-sensitizer on anatase TiO₂ on electron transfer in dye-sensitized solar cells (Grad. Sch. Sci., Eng., Tokyo Tech) MAITANI, Masato; OGOMI, Yuhei; FUSE, Shinichiro; NOGAMI, Kengo; MOCHIZUKI, Dai; SUZUKI, Eiichi; HAYASE, Shuzi; KATOH, Ryuzi; TAKAHASHI, Takashi; WADA, Yuji

Saturday, March 29, AM

Chair: KAWANISHI, Yuji (9 : 00~9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(3H2-01, 3H2-02, 3H2-03,

3H2-04)

- 3H2-01** Study on the black-dye-based dye-sensitized solar cells with TiO₂ sphere photoelectrodes (Fac. Eng., Tokyo Univ. of Sci.) AOSHIMA, Takanobu; KATANO, Daichi; YAMASHITA, Satoshi; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-02** Study on the synthesis of new Ru dyes having the terpyridine ligand with a substituent at 4-position and their applications to dye-sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) KURODA, Takahiro; HARADA, Shohei; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-03** Synthesis of novel ruthenium sensitizers with a phenyl pyrimidinato ligand for dye-sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) AKIYOSHI, Kazutaka; HARADA, Shouhei; SUGIURA, Takahito; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-04*** Substituent effect of the ruthenium sensitizer having an ortho-dicarboxyphenyl unit on the performance of dye-sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) OZAWA, Hironobu; YAMAMOTO, Yasuyuki; SHIMIZU, Ryosuke; ARAKAWA, Hironori

Chair: IKEGAMI, Masashi (10 : 00~10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(3H2-07, 3H2-08, 3H2-09, 3H2-10, 3H2-11)
- 3H2-07** Study on the influence of imidazolium iodide species in the electrolyte on the performance of dye-sensitized solar cell (Fac. Eng., Tokyo Univ. of Sci.) TAWARAYA, Yuki; URAYAMA, Ayako; TAKESITA, Motoki; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-08** Study on electrolyte components of black-dye-base dye sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) HARADA, Shohei; SHIMIZU, Ryosuke; URAYAMA, Ayako; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-09** Study on the influence of electrolyte components on the performance in the plastic-substrate black-dye-based dye-sensitized solar cells (Fac. Eng., Tokyo Univ. of Sci.) IIDA, Atsushi; MUROYA, Shogo; KUDO, Tomohiro; OZAWA, Hironobu; ARAKAWA, Hironori
- 3H2-10** Macroporous Titanium Oxide Films Prepared Through Enhanced Adsorption in Colloidal Solution (NRI, AIST; CCP, AIST) KAWANISHI, Yuji; SUZUKI, Yasuzo; INOUE, Kyoko; SHIINA, Yoshimi; MIYAZAWA, Akira
- 3H2-11** Durable evaluation by the absorption spectrum change measurement of deuterated N3 dye (NRI, AIST) SHIINA, Yoshimi; INOUE, Kyoko; MIYAZAWA, Akira; SHIMOI, Yukihiro; KAWANISHI, Yuji

Chair: ARAKAWA, Hironori (11 : 00~12 : 10)

- * 10:50-11:00: interval for laptop PC connection.(3H2-13, 3H2-14, 3H2-15, 3H2-16, 3H2-18)
- 3H2-13** Photoelectrochemical Properties of the Thin Film Organic Photovoltaic Cells with Addition Peptide in the Active Layer (Kitakyushu Nat. Coll. of Tech.) SHINDO, Shinji; YAMANE, Hirokazu
- 3H2-14** Improvement of Photoelectric Conversion Efficiency of Dye-sensitized Solar Cells by (Ta/N) Codoping Treatment (Kitakyushu Nat. Coll. of Tech.) TOSHIIHIKO, Abe; HIROKAZU, Yamane
- 3H2-15** Improvement of Photoelectric Conversion Efficiency of Dye-sensitized Solar Cells by (Y/N) Codoping Treatment (Kitakyushu Nat. Coll. of Tech.) ABIRU, Kentaro; YAMANE, Hirokazu
- 3H2-16*** Development of Low-Temperature Sintering Technique for Plastic Dye-Sensitized Solar Cells (Grad. Sch. Frontier Sci., The Univ. of Tokyo) ZEN, Shungo; ONO, Ryo
- 3H2-18*** Low-temperature Sintering Technique of Nano-structured Platinum Layer and Application for Flexible Dye-Sensitized Photovoltaic Cells (Pecell Technologies, Inc. Department of Research and Development; Hitachi Zosen Corporation PRECISION MACHINERY HEADQUARTERS; Grad. Sch. Eng., Toin Univ. of Yokohama) KOJIMA, Akihiro; KAWASE, Hirokazu; KOTANI, Atsushi; SUGIYO, Takeshi; TESHIMA, Kenjiro; IKEGAMI, Masashi; MIYASAKA, Tsutomu

Saturday, March 29, PM

Chair: MIYASAKA, Tsutomu (13 : 20~14 : 30)

- * 13:10-13:20: interval for laptop PC connection.(3H2-27, 3H2-29, 3H2-31, 3H2-33)
- 3H2-27*** Surface complex solar cells based on dicyanomethylene compounds with an indane ring (RCAST, The Univ. of Tokyo) FUJISAWA, Jun-ichi; USHIJIMA, Takuro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 3H2-29*** Development of Terpyridyl Ruthenium Sensitizers Having a Donor Unit and The Effect of Introducing The pi-Spacer Unit (Fac. Textile Sci. Technol., Shinshu Univ.) KONO, Takahiro; MASAKI, Naruhiko; MORI, Shogo; KIMURA, Mutsumi
- 3H2-31*** Withdrawn
- 3H2-33** Synthesis and Photovoltaic Properties of Near-Infrared Absorbing Heptamethine-Cyanine Dyes having the long-chain alkoxy groups at 5 position (Fac. Eng., Gifu Univ.) HUNABIKI, Kazumasa; YAMADA, Kentaro; MANSEKI, Kazuhiro; KUBOTA, Yasuhiro; MATSUI, Masaki; SAITO, Yasuteru

Chair: MANSEKI, Kazuhiro (14 : 40~15 : 30)

- * 14:30-14:40: interval for laptop PC connection.(3H2-35, 3H2-37, 3H2-38, 3H2-39)

- 3H2-35*** Dye-Sensitized Solar Cells using meso-beta Fused Porphyrin Dimers (RCAST, The Univ. of Tokyo; The Univ. of Tokyo College of Arts and Sciences) TAMAKI, Koichi; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 3H2-37[#]** Synthesis, Characterization and Aggregations Studies of Phosphorous Phthalocyanine Towards its Application in Dye Sensitized Solar Cells (Grad. Sch. Life Sci. Sys. Eng., KIT) SHIVASHIMPI, Gururaj m; PANDEY, Shyam sudhir; HAYAT, Azwar; FUJIKAWA, Naotaka; OGOMI, Yuhei; YAMAGUCHI, Yoshihiro; HAYASE, Shuzi
- 3H2-38** Synthesis and Photovoltaic Properties of Push-Pull Porphyrin Bearing Trifluoromethyl Group (Grad. Sch. Eng., Kyoto Univ.) SUGIURA, Kenichi; HIGASHINO, Tomohiro; KUROTOBI, Kei; IMAHORI, Hiroshi
- 3H2-39** Development of Novel Asymmetric Porphyrins for Highly Efficient Dye-sensitized Solar Cells (Grad. Sch. Eng., Kyoto Univ.; WPI-iCeMS) FUJIMORI, Yamato; KUROTOBI, Kei; TOUDE, Yuuki; KAWAMOTO, Kyosuke; ITO, Seigo; IMAHORI, Hiroshi

Chair: NAKAZAKI, Jotaro (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(3H2-41, 3H2-42, 3H2-43, 3H2-44, 3H2-45, 3H2-46)
- 3H2-41** Immobilization of Zinc Vinylporphyrin Complex by Method of Electrolytic Initiation Polymerization and Its Dye-sensitized Solar Cells (KUT) TAMAMURA, Shiori; YAMASAKI, Yusuke; SUMI, Katsuhiko
- 3H2-42** Zinc Naphthalocyanines for Efficient Near-IR Response in Dye-sensitized Solar Cells (Grad. Sch. Sci. Technol., Shinshu Univ.) IKEUCHI, Takuro; MORI, Shogo; KIMURA, Mutsumi
- 3H2-43** Development of Type II Dye-Sensitized Solar Cells Based on D- π -Cat Dyes with Catechol Unit as Anchoring Group (Grad. Sch. Eng., Hiroshima Univ.) YAMADA, Takehiro; OYOYAMA, Yousuke; HARIMA, Yutaka; OHSHITA, Joji
- 3H2-44** Development of Dye-Sensitized Solar Cells Based on New Type of Fluorescent Dyes with Pyrazine Ring as Electron-Withdrawing Anchoring Group (Grad. Sch. Eng., Hiroshima Univ.) UENAKA, Koji; OYOYAMA, Yousuke; HARIMA, Yutaka; OHSHITA, Joji
- 3H2-45** Synthesis of D- π -A Dye with a fused pyridine ring as an Electron Withdrawing Anchoring Group and its photovoltaic Performance of Dye-Sensitized Solar Cell (Grad. Sch. Eng., Hiroshima Univ.) SATO, Takafumi; OYOYAMA, Yousuke; HARIMA, Yutaka; OHSHITA, Joji
- 3H2-46** Synthesis of novel spin-probe dye and photovoltaic performances of dye-sensitized solar cells (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) HONDA, Sumihiro; KINOSHITA, Yusuke; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka

Chair: KUBO, Takaya (16 : 50~17 : 50)

- * 16:40-16:50: interval for laptop PC connection.(3H2-48, 3H2-49, 3H2-50, 3H2-51, 3H2-52, 3H2-53)
- 3H2-48** Organic Thermoelectric Materials Conjugated with CNT and Charge Transfer Complexes (Tokyo Univ. of Sci., Yamaguchi) OHKAWACHI, Yosuke; OHSHIMA, Keisuke; TOSHIMA, Naoki
- 3H2-49** Organic Thermoelectric Materials Conjugated with Polymer Complexes and CNT (Tokyo Univ. of Sci., Yamaguchi) OHSHIMA, Keisuke; OHKAWACHI, Yosuke; TOSHIMA, Naoki
- 3H2-50** Reactivity of metal ion doped Cerium oxide by thermochemical two-step water-splitting cycle for hydrogen production (Fac. Eng., Niigata Univ.) SUDA, Toshinori; SAGAWA, Sachi; HATAMACHI, Tsyoshi; GOKON, Nobuyuki; KODAMA, Tatsuya
- 3H2-51** Thermochemical water-splitting by reactive ceramic materials(29) thermochemical two-step water splitting cycle by CeO₂-supported foam device (Fac. Eng., Niigata Univ.) TSUCHIDA, Satoshi; KAWAKAMI, Shintaro; MYOJIN, Takuya; CHO, Hyun seok; HATAMACHI, Tsyoshi; KANG, Yong heack; GOKON, Nobuyuki; KODAMA, Tatsuya
- 3H2-52** Solar gasification of coal by Direct Irradiation (13)Solar steam gasification of coal cokes with an internally-circulating fluidized bed of thermal storage/transfer medium. (Fac. Eng., Niigata Univ.) ABE, Takehiko; KOGURE, Chiaki; IZAWA, Takuya; HATAMACHI, Tsyoshi; GOKON, Nobuyuki; KODAMA, Tathuya
- 3H2-53** Reaction mechanism of solar thermochemical reduction of Ni doped CeO₂ in two-step water splitting reaction for hydrogen production (Fac. Eng., Univ. of Miyazaki) KANEKO, Hiroshi

Sunday, March 30, AM

Chair: KUBO, Takaya (9 : 00~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4H2-01, 4H2-03, 4H2-05, 4H2-06)
- 4H2-01*** Structural analysis of P3HT photo-oxidation by MALDI-TOF MS (ISC, AIST) MIZUKADO, Junji; SUZUKI, Yasumasa; CHEN, Liang; AOYAMA, Yoshinori; YAMANARI, Toshihiro; SATO, Hiroaki; SUDA, Hiroyuki; YOSHIDA, Yuji
- 4H2-03*** A study for superoxide radical anion generation and involvement in photo-oxidation of poly (3-hexylthiophene) in chlorobenzene solution (ISC, AIST) CHEN, Liang; MIZUKADO, Junji; KUTSUNA, Shuzo; AOYAMA, Yoshinori; SUDA, Hiroyuki; YOSHIDA, Yuji
- 4H2-05** Development of methanofullerene efficient for an acceptor of thin layer OPVs (Grad. Sch. Eng., Tottori Univ.) MATSUMOTO, Kei;

- SUGAWARA, Kiyotaka; YOSHIMURA, Ken; UETANI, Yasunori; ITOH, Toshiyuki
- 4H2-06** Synthesis and properties of a novel polymer containing electron-accepting π -conjugated side chain (Fac. Eng., Hiroshima Univ.; Grad. Sch. Eng., Hiroshima Univ.) SHINJO, Ryunosuke; TAN, Zhifang; IMAE, Ichiro; KOMAGUCHI, Kenji; OHSHITA, Joji; HARIMA, Yutaka

Chair: YAMADA, Hiroko (10 : 10~10 : 50)

- * 10:00-10:10: interval for laptop PC connection.(4H2-08, 4H2-10)
- 4H2-08[#]** Enhanced Nucleation in Thin Films of Organic Donor Materials on PEDOT:PSS (Grad. Sch. Sci., The Univ. of Tokyo) OKADA, Satoshi; FURUKAWA, Syunsuke; TANAKA, Hideyuki; HARANO, Koji; NAKAMURA, Eiichi
- 4H2-10*** Thiazolothiazole based semiconducting polymers : Improvement of photovoltaic performance through control of polymer orientation (ASI, RIKEN) SAITO, Masahiko; OSAKA, Itaru; TAKIMIYA, Kazuo; KOGANEZAWA, Tomoyuki

Chair: IMAE, Ichiro (11 : 00~11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(4H2-13, 4H2-14, 4H2-15, 4H2-17)
- 4H2-13** Regioisomer separation and polymer solar cell performance of dihydronaphthyl-based [70]fullerene monoadducts (Grad. Sch. Eng., Kyoto Univ.; Kyoto Univ. WPI-iCeMS) MIYATA, Tetsushi; KUROTOBI, Kei; UMEYAMA, Tomokazu; IMAHORI, Hiroshi
- 4H2-14[#]** Effects of Alky Chain Lengths and Regioisomers on Photovoltaic Performance of Dihydronaphthyl-Based [60]Fullerene Bisadduct (Grad. Sch. Eng., Kyoto Univ.; iCeMS, Kyoto Univ.) TAO, Ran; KUROTOBI, Kei; UMEYAMA, Tomokazu; IMAHORI, Hiroshi
- 4H2-15[#]** Enhanced efficiency in solution-processed p-i-n type organic solar cells fabricated via the photoprecursor approach (Grad. Sch. Mat. Sci., NAIST; Grad. Sch. Sci., Eng., Yamagata Univ.; JST-CREST) SUZUKI, Mitsuharu; YAMAGUCHI, Yuji; YAMAMOTO, Shinpei; NAKAYAMA, Ken-ichi; YAMADA, Hiroko
- 4H2-17** Development of Photoconvertible Precursors of Anthracene-Benzothiadiazole Conjugates for Solution-Processed Organic Photovoltaics (Grad. Sch. Mat. Sci., NAIST; Grad. Sch. Sci., Eng., Yamagata Univ.; JST CREST) YAMAMOTO, Shinpei; YAMAGUCHI, Yuji; SUZUKI, Mitsuharu; NAKAYAMA, Ken-ichi; YAMADA, Hiroko

Sunday, March 30, PM

Chair: UMEYAMA, Tomokazu (13 : 00~13 : 50)

- * 12:50-13:00: interval for laptop PC connection.(4H2-25, 4H2-27, 4H2-28)
- 4H2-25[#]** Emission wavelength tuning of thermally activated delayed fluorescence emitters by delocalization of intramolecular charge transfer excited state (OPERA, Kyushu Univ.) TANAKA, Hiroyuki; SHIZU, Katsuyuki; NAKANOTANI, Hajime; ADACHI, Chihaya
- 4H2-27** Color tuning and controlling singlet-triplet energy gap of dihydro-phenazine-based thermally activated delayed fluorescence compounds (Kyushu Univ. Graduate School of Integrated Frontier Sciences) LEE, Jiyoung; SHIZU, Katsuyuki; TANAKA, Hiroyuki; NAKANOTANI, Hajime; YASUDA, Takuma; ADACHI, Chihaya
- 4H2-28*** Supramolecular Approach to Photosynthetic Primary Processes Consideration of Excitation Transition of PSI Reaction Center in Cyanobacteria (Fac. Eng., Shinshu Univ.; Univ. of Toyama Institute of Natural Medicine) SUZUKI, Satoshi; UMEZAKI, Masahito; SAWAI, Yousuke; ONO, Shin; NISHIKIORI, Hiromasa

Chair: MIZUKADO, Junji (14 : 00~15 : 10)

- * 13:50-14:00: interval for laptop PC connection.(4H2-31, 4H2-33, 4H2-34, 4H2-35, 4H2-36)
- 4H2-31*** Radiolysis of water at high temperature and supercritical conditions (ISIR, Osaka Univ.) MUROYA, Yusa; HATOMOTO, Daisuke; KATSUMURA, Yosuke; LIN, Mingzhang; YAMASHITA, Shinichi; JAY-GERIN, Jean-paul; KOZAWA, Takahiro
- 4H2-33** Degradation behavior of Magnesium Chloride and Kinetic evidence Using Carbon Felt Atmospheric Pressure Microwave Discharge Plasma (Saitama Inst. of Tech. Graduate School of Engineering) AKIHIRO, Suzuki; TATSUHIKO, Yajima
- 4H2-34** Time-dependent radiolytic yield and reactivity of hydrated electron at high temperatures (Grad. Sch. Eng., Osaka Univ.) HATOMOTO, Daisuke; MUROYA, Yusa; KATSUMURA, Yosuke; YAMASHITA, Shinichi; KOZAWA, Takahiro
- 4H2-35** Synthesis of Micro Polymer Particles by Radical Polymerization Reaction in Ultrasonic Nebulized Mists (Grad. Sch. Sci., Osaka Pref. Univ.) SHIMOGAKI, Tomohiko; SATO, Masaaki
- 4H2-36*** Spatial distribution of Pt chemical species in a PEFC Pt/C cathode catalyst studied by spatially resolved XAFS (Innovation Res. Ctr. for Feul Cells, The Univ. of Electro-Communications) TAKAO, Shinobu; SIKIZAWA, Oki; NAGAMATSU, Shin-ichi; KANEKO, Takuma; YAMAMOTO, Takashi; HIGASHI, Kotaro; SAMJESKE, Gabor; NAGASAWA, Kensaku; IMAIZUMI, Yoshiaki; URUGA, Tomoya; IWASAWA, Yasuhiro

Room H3

Liberal Arts & Sciences Main Building
C32

Catalysts and Catalysis

Friday, March 28, PM

Chair: TAMURA, Masazumi (12 : 40~13 : 50)

- * 12:30-12:40: interval for laptop PC connection.(2H3-23, 2H3-24, 2H3-26, 2H3-27, 2H3-28)
- 2H3-23** Amine oxidation performances on supported Ru trinuclear cluster catalyst (Grad. Sch. Sci., Nagoya Univ.) WANG, Fei; MURATSUGU, Satoshi; TADA, Mizuki
- 2H3-24*** Highly dispersed Ru nanoclusters transformed from SiO₂-attached Ru₃ complexes and their catalytic activity for selective alcohol oxidation (Grad. Sch. Sci., Nagoya Univ.) MURATSUGU, Satoshi; LIM, Min hwee; ITOH, Takahiro; THUMRONGPATANARAKS, Wipavee; KONDO, Mio; MASAOKA, Shigeyuki; HOR, T. s. andy; TADA, Mizuki
- 2H3-26** Application of core-shell catalyst with hydrophobic surfaces containing F in the mesoporous silica shell (Grad. Sch. Eng., Osaka Univ.) NAKATSUKA, Kazuki; OKADA, Shusuke; MORI, Kohsuke; KAMEGAWA, Takashi; YAMASHITA, Hiromi
- 2H3-27** Development of Core-shell Au@CeO₂ Catalyst for Selective Deoxygenation of Epoxides Using H₂ (Grad. Sch. Eng. Sci., Osaka Univ.) YAMAMOTO, Masaaki; MAENO, Zen; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi
- 2H3-28*** Development of Palladium Catalyst Supported on Phenolic Resin (KUT; Sumitomo Bakelite) NISHIWAKI, Nagatoshi; ASAHARA, Haruyasu; HAMADA, Sayaka; WATANABE, Tomoe; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; KAMATA, Toru; FUNABASHI, Masahiko

Chair: TADA, Mizuki (14 : 00~15 : 20)

- * 13:50-14:00: interval for laptop PC connection.(2H3-31, 2H3-32, 2H3-34, 2H3-35, 2H3-37)
- 2H3-31** The Effect of Oxygen Content of Graphene Oxide in the Chemoselective Hydrogenation (RCIS, Okayama Univ.) MORIMOTO, Naoki; TAKEUCHI, Yasuo; NISHINA, Yuta
- 2H3-32*** Hydrosilane-Assisted Preparation of Metal-Graphene Oxide Composites and Application to Catalysts in Organic Reactions (RCIS, Okayama Univ.) SAITO, Akinori; NISHINA, Yuta
- 2H3-34** Preparation of highly active indium oxide catalysts for ethanol-propene reaction. (Chem. Res. Lab., Tokyo Tech) MURAKAMI, Maki; TANAKA, Masashi; IWAMOTO, Masakazu
- 2H3-35**** Morphology Effect Overtakes the Size Effect in Catalytic Activity of Quasi-Homogeneous Nanogold Toward the Aerobic Oxidation (SOKENDAI Functional molecule Science) HAESUWANNAKIJ, Setsiri; KIMURA, Tetsunari; FURUTANI, Yuji; OKUMURA, Kazu; SAKURAI, Hidehiro
- 2H3-37*** Structure of active sites on ReO_x-Pd/SiO₂ catalyst for hydrogenation of fatty acid (Grad. Sch. Eng., Tohoku Univ.) TAKEDA, Yasuyuki; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi

Chair: SAKURAI, Hidehiro (15 : 30~16 : 40)

- * 15:20-15:30: interval for laptop PC connection.(2H3-40, 2H3-41, 2H3-42, 2H3-43, 2H3-44, 2H3-45)
- 2H3-40** Redox property of small Ni particle supported on silica prepared by sol-gel method (Ritsumeikan Univ. Graduate school of life sciences) YAMAMOTO, Yusaku; YAMASHITA, Syouhei; KATAYAMA, Misaki; INADA, Yasuhiro
- 2H3-41** DFT calculation for Ag island on Ni(111) over CO oxidation (Grad. Sch. Eng., Nagoya Univ.) MAHARA, Yuji; OHYAMA, Junya; SAWABE, Kyoichi; SATSUMA, Atsushi
- 2H3-42** Oxygen pretreatment temperature effect of cobalt oxide nanocluster catalyst on CO oxidation reaction activity (Grad. Sch. Eng., Chiba Univ.) FUJII, Toshiki; ICHIKUNI, Nobuyuki; OKUNO, Hanako; INOUE, Yasunori; NAKAJIMA, Kiyotaka; HARA, Michikazu; HARA, Takayoshi; SHIMAZU, Shogo
- 2H3-43** Enhanced Catalytic activity by the uncalcined mesoporous silica with the residual surfactant (Grad. Sch. Eng., Osaka Univ.) MORI, Kohsuke; YAMAGUCHI, Takuya; IKURUMI, Shohei; YAMASHITA, Hiromi
- 2H3-44** Ion exchange behavior of nickel(II) ion on zeolite with different structure (Grad. Sch. Life Sci., Ritsumeikan Univ.) OHTSUBO, Kanta; KATAYAMA, Misaki; INADA, Yasuhiro
- 2H3-45*** In situ time-resolved XAFS study on dynamic behaviors of Pt/C cathode catalysts in a polymer electrolyte fuel cell by anode gas exchanges (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications) HIGASHI, Kotaro; SAMJESKE, Gabor; TAKAO, Shinobu; NAGAMATSU, Shin-ichi; NAGASAWA, Kensaku; SEKIZAWA, Oki; KANEKO, Takuma; IMAIZUMI, Yoshiaki; URUGA, Tomoya; IWASAWA, Yasuhiro

Chair: SATSUMA, Atsushi (16 : 50~17 : 30)

- * 16:40-16:50: interval for laptop PC connection.(2H3-48, 2H3-49, 2H3-50, 2H3-51)
- 2H3-48** In situ time-resolved XAFS study on carbon-support effects on the activity and durability of Pt/C cathode catalysts in polymer electrolyte fuel cells (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications; JASRI) KANEKO, Takuma; NAGASAWA, Kensaku; TAKAO, Shinobu; HIGASHI, Kotaro; NAGAMATSU, Shin-ichi; SAMJESKE, Gabor; IMAIZUMI, Yoshiaki; SEKIZAWA, Oki; YAMAMOTO, Takashi; URUGA, Tomoya; IWASAWA, Yasuhiro
- 2H3-49** Potential response time-resolved XAFS study on Pd(core)-Pt(shell)/C cathode catalysts in polymer electrolyte fuel cells (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications; JASRI Spring-8) NAGAMATSU, Shin-ichi; KANEKO, Takuma; TAKAO, Shinobu; SAMJESKE, Gabor; IMAIZUMI, Yoshiaki; NAGASAWA, Kensaku; HIGASHI, Kotaro; YAMAMOTO, Takashi; SEKIZAWA, Oki; URUGA, Tomoya; IWASAWA, Yasuhiro
- 2H3-50** Size regulation of Mo carbide particle using mesoporous silica and application for propene hydrogenation (Grad. Sch. Eng., Chiba Univ.) KONNO, Takuma; ICHIKUNI, Nobuyuki; ISHIZAWA, Hideki; HARA, Takayoshi; SHIMAZU, Shogo
- 2H3-51** Removal performance of hydrogen sulfide of Cu-Zn adsorbent for desulfurization (MURORAN INST. OF TECH.) KANDA, Yasuhiro; MATSUKURA, Yuki; SAWADA, Ayaka; SUGIOKA, Masatoshi; UEMICHI, Yoshio

Saturday, March 29, AM

Chair: IKEUE, Keita (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(3H3-01, 3H3-04, 3H3-06)
- 3H3-01** Young Scholar Lectures of CSJ Creation of Synergistic Catalysis on Solid Surface for Organic Reactions (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) MOTOKURA, Ken
- 3H3-04*** MPV reduction of cyclohexanol on acid-base sites of zirconium oxide (MSL, Tokyo Tech) KOMANOYA, Tasuku; NAKAJIMA, Kiyotaka; KITANO, Masaaki; HARA, Michikazu
- 3H3-06** Epimerization of glucose over HNbMoO₆ (Grad. Sch. Eng., The Univ. of Tokyo) TAKAGAKI, Atsushi; FURUSATO, Shogo; KIKUCHI, Ryuji; OYAMA, S. ted

Chair: MOTOKURA, Ken (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(3H3-08, 3H3-09, 3H3-10, 3H3-11, 3H3-12, 3H3-13)
- 3H3-08** Synthesis and catalytic property of alkaline metal-based mixed oxides as solid base (Tokyo Univ. of Sci., Yamaguchi) IKEUE, Keita; ADACHI, Yuki; UCHIDA, Ryohei
- 3H3-09** Evaluation of basicity of various layered double hydroxides using aldol self-condensation of acetone and Knoevenagel condensations (Grad. Sch. Eng., Kyoto Univ.) TERAMURA, Kentaro; HIROTA, Jun-ichi; HOSOKAWA, Saburo; TANAKA, Tsunehiro
- 3H3-10** Acidic property of rare earth doped zirconia supported tungsten oxide catalysts (Fac. Integrated Arts and Sci., The Univ. of Tokushima) TERAMACHI, Aoi; KURIMOTO, Akihito; YAMAMOTO, Takashi
- 3H3-11** Lewis acid catalyst of tantalum containing mesoporous silica (MSL, Tokyo Tech) SHIMIZU, Shingo; SHINTAKU, Hiroshi; NAKAJIMA, Kiyotaka; KITANO, Masaaki; HARA, Michikazu
- 3H3-12** Lewis Acid Catalysis of Al₂O₃ for sugar conversion in water (MSL, Tokyo Tech) TAKEDA, Daiki; NAKAJIMA, Kiyotaka; KITANO, Masaaki; HARA, Michikazu
- 3H3-13** Reaction Mechanism on HMF Production from a Glucose Solution over Phosphate/TiO₂ (MSL, Tokyo Tech) NOMA, Ryohei; NAKAJIMA, Kiyotaka; KITANO, Masaaki; HARA, Michikazu

Chair: TAKAGAKI, Atsushi (11 : 20~12 : 00)

- * 11:10-11:20: interval for laptop PC connection.(3H3-15, 3H3-17, 3H3-18)
- 3H3-15*** Lewis Acid Catalysis of TiO₄ tetrahedra dispersed on Mesoporous Silica (MSL, Tokyo Tech) SHINTAKU, Hiroshi; NAKAJIMA, Kiyotaka; KITANO, Masaaki; ICHIKUNI, Nobuyuki; HAYASHI, Shigenobu; HARA, Michikazu
- 3H3-17** Solid acid catalysis of hydrophobic gel (Urban Environmental Sci., Tokyo Metropolitan Univ.; Kyoto Univ. ESICB) KOMORI, Daiki; MIURA, Hiroki; SHISHIDO, Tetsuya
- 3H3-18** One-pot Conversion of Sugars into Furfurals using Ni modified Al₂O₃ and Amberlyst-15 Catalysts (Sch. Mat. Sci., JAIST) SHIROTORI, Mahiro; NISHIMURA, Shun; EBITANI, Kohki

Saturday, March 29, PM

Chair: KITANO, Masaaki (13 : 10~14 : 10)

- * 13:00-13:10: interval for laptop PC connection.(3H3-26, 3H3-28, 3H3-29, 3H3-30, 3H3-31)
- 3H3-26**** Mechanism of Water Oxidation by Fe(TPA) Analogs Using Sodium Periodate (I₂CNER, Kyushu Univ.) PARENT, Alexander; NAKAZONO, Takashi; SAKAI, Ken
- 3H3-28** Development of highly active CuPd bimetallic catalyst for environ-

mentally-friendly alcohol oxidation (Sch. Mat. Sci., JAIST) YOSHIDA, Nao; EBITANI, Kohki; NISHIMURA, Shun

- 3H3-29** Effect of base property of support on selective oxidation of alcohol using Ru supported catalysts. (Grad. Sch. Sci. and Eng., Kansai Univ.) FUJITO, Jun; IKENAGA, Naoki
- 3H3-30** Selective oxidation of 1,2-cyclohexanediol to adipic acid with Pt-V mixed catalysts and molecular oxygen (Sch. Eng., Tohoku Univ.) OBARA, Naoyuki; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi
- 3H3-31[#]** Fabrication of Pd-Ni-P Metallic Glass Nanoparticles and Their Application to Methanol Electro-oxidation as Highly Durable Catalysts (WPI-AIMR, Tohoku Univ.; Grad. Sch. Sci., Tohoku Univ.) ZHAO, Ming; ABE, Katsuhiko; YAMAURA, Shin-ichi; YAMAMOTO, Yoshinori; ASAO, Naoki

Chair: NAKAGAWA, Yoshinao (14 : 20~15 : 10)

- * 14:10-14:20: interval for laptop PC connection.(3H3-33, 3H3-34, 3H3-35, 3H3-36, 3H3-37)
- 3H3-33** Catalysts for direct H₂O₂ synthesis using advantage of high H₂ activating ability of Pt (1) Effect of additive compounds in solution (Chem. Res. Lab., Tokyo Tech) TAKENOUCI, Sho; DEGUCHI, Takashi; IWAMOTO, Masakazu
- 3H3-34** Catalysts for direct H₂O₂ synthesis using advantage of high H₂ activating ability of Pt (2) DFT study on effect of Pt addition to Pd-, Au- and Ag-PVP catalysts (Chem. Res. Lab., Tokyo Tech) DEGUCHI, Takashi; TAKENOUCI, Sho; IWAMOTO, Masakazu
- 3H3-35** Lactic acid production from glycerol over Ru-loaded TiO₂ and Nb₂O₅ (MSL, Tokyo Tech) SUZUKI, Ayaka; KOMANOYA, Tasuku; NAKAJIMA, Kiyotaka; KITANO, Masaaki; HARA, Michikazu
- 3H3-36** Synthesis of Glycidamide from Acrylonitrile by Double Oxygenation using Solid Catalysts (Sch. Mat. Sci., JAIST) FUJIWARA, Shinpei; NISHIMURA, Shun; EBITANI, Kohki
- 3H3-37** Development of Catalysts for CO-PROX Using MOF of Linked Ti₈O₈(OH)₄ Clusters as Support (Grad. Sch. Sci., Chiba Univ.) YOSHIDA, Yusuke; IZUMI, Yasuo

Chair: IZUMI, Yasuo (15 : 20~16 : 20)

- * 15:10-15:20: interval for laptop PC connection.(3H3-39, 3H3-40, 3H3-42, 3H3-44)
- 3H3-39** Highly Selective Hydrogenation of Phenol to Cyclohexanone Using Supported Pd Nanoparticle Catalyst in Aqueous Solution (Grad. Sch. Eng. Sci., Osaka Univ.) NOMURA, Kojiro; TAKAHASHI, Yusuke; MAENO, Zen; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi
- 3H3-40*** Development of High Performance Heterogeneous Catalyst System for Chemoselective Hydrogenation of Ketones in the Presence of Aldehydes (Grad. Sch. Eng. Sci., Osaka Univ.) TAKAHASHI, Yusuke; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi
- 3H3-42^{**}** One-pot selective conversion of furfural into 1,5-pentanediol over Pd-added Ir-ReO_x/SiO₂ bifunctional catalyst (Grad. Sch. Eng., Tohoku Univ.) LIU, Sibao; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi
- 3H3-44** Selective Hydrogenolysis of Furfural to 1,2-Pentanediol Catalyzed by Hydrotalcite-supported Pt Nanoparticles (Grad. Sch. Eng. Sci., Osaka Univ.) NAGATSU, Yuki; MAENO, Zen; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi

Chair: ARITANI, Hirofumi (16 : 30~17 : 30)

- * 16:20-16:30: interval for laptop PC connection.(3H3-46, 3H3-47, 3H3-48, 3H3-49, 3H3-50, 3H3-51)
- 3H3-46** Selective hydrogenolysis of 1,4-anhydroerythritol into tetrahydrofuran over ReO_x-Pd/CeO₂ catalyst (Sch. Eng., Tohoku Univ.) OTA, Nobuhiko; AMADA, Yasushi; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi
- 3H3-47** Re-investigate of base additives in enantioselective hydrogenation of phenylcinnamic acid (Sch. Sci., Univ. of Hyogo) NAKAI, Kengo; MAMEDA, Takuya; SUGIMURA, Takashi
- 3H3-48** Synthesis of α -hydroxy ketones from vicinal diols by selective hydrogenation over Ir-ReO_x/SiO₂ catalyst (Sch. Eng., Tohoku Univ.) YONEZAWA, Dai; SATOU, Hiraku; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi
- 3H3-49** Dehydrogenative Coupling of Silanes with Amines Catalyzed by Hydroxyapatite-supported Gold Nanoparticle Catalyst (Grad. Sch. Eng. Sci., Osaka Univ.) URAYAMA, Teppi; MAENO, Zen; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi
- 3H3-50** Effect of iron addition on oxidative dehydrogenation of 1-butene using lattice oxygen of V-Mg complex oxide (Grad. Sch. Sci. and Eng., Kansai Univ.) HAGIHARA, Takashi; IKENAGA, Naoki
- 3H3-51** Effect of Pt/Sn ratio on the activity of Pt-Sn/SiO₂ catalyst in ethyl benzene dehydrogenation (Urban Environmental Sci., Tokyo Metropolitan Univ.; Kyoto Univ. ESICB) ARAKAWA, Takuto; DENG, Lidian; MIURA, Hiroki; SHISHIDO, Tetsuya

Chair: SHISHIDO, Tetsuya (17 : 40~18 : 30)

- * 17:30-17:40: interval for laptop PC connection.(3H3-53, 3H3-54, 3H3-55, 3H3-56, 3H3-57)
- 3H3-53[#]** Sodium hydroxide-assisted growth of uniform Pd nanoparticles on MSC-30 for dehydrogenation of formic acid (UBIQEN, AIST) CHEN, Yao; ZHU, Qilong; XU, Qiang
- 3H3-54** Selective gas phase hydrogenolysis of alkanes over ruthenium catalyst (Grad. Sch. Eng., Tohoku Univ.) KANNO, Daisuke; OYA, Shin-ichi; TAMURA, Masazumi; NAKAGAWA, Yoshinao; TOMISHIGE, Keiichi
- 3H3-55** Precursor effect of Pt-complex over Pt/Al₂O₃ catalysts for dehydrogenation of organic hydrides (Saitama Inst. of Tech.) KAWAI, Takuma; ARITANI, Hirofumi; HAKODA, Teruyuki
- 3H3-56** Dependence of electron concentration in Ru-loaded C12A7 on catalytic activity for ammonia synthesis (MSL, Tokyo Tech) KANBARA, Shinji; INOUE, Yasunori; KITANO, Masaaki; HARA, Michikazu; HOSONO, Hideo
- 3H3-57** [Ca₂₄Al₂₈O₆₄]⁴⁺(e⁻)₄ supported cobalt for ammonia synthesis (MSL, Tokyo Tech; MCEs, Tokyo Tech) INOUE, Yasunori; TOKUNARI, Mai; KITNO, Masaaki; MATSUSHI, Satoru; HARA, Michikazu; HOSONO, Hideo

Sunday, March 30, AM

Chair: HARA, Takayoshi (9 : 00 ~ 10 : 10)

- * 8:50-9:00: interval for laptop PC connection.(4H3-01, 4H3-05, 4H3-06)
- 4H3-01 CSJ Award for Technical Development** Development and Commercialization of Gold-Nickel Oxide Nanoparticle Catalysts with a Core-Shell Structure for Production of Methyl Methacrylate (Asahi Kasei Chemicals Corporation R and D Planning and Business Development) SUZUKI, Ken; YAMAGUCHI, Tatsuo
- 4H3-05** Synthesis of Cyclopentanone Derivative by the Ring-rearrangement of 5-Hydroxymethylfurfural Using Supported Au Catalysts (Grad. Sch. Eng., Nagoya Univ.) KANAO, Ryusuke; ESAKI, Akihiko; OHYAMA, Junya; SATSUMA, Atsushi
- 4H3-06*** Dehydrogenative Amination of α, β -Unsaturated Aldehydes by Supported Gold Catalyst (Grad. Sch. Eng., The Univ. of Tokyo) JIN, Xiongjie; YAMAGUCHI, Kazuya; MIZUNO, Noritaka

Chair: SASAKI, Takehiko (10 : 20~11 : 10)

- * 10:10-10:20: interval for laptop PC connection.(4H3-09, 4H3-11, 4H3-13)
- 4H3-09*** Oxidative α -Cyanation of Tertiary Amines by Manganese Oxide OMS-2 (Grad. Sch. Eng., The Univ. of Tokyo) YAMAGUCHI, Kazuya; WANG, Ye; MIZUNO, Noritaka
- 4H3-11*** Regioselective Oxidative Coupling Reaction of Dimethylphenol Catalyzed by Adjacent Cu Complexes Encapsulated within Structurally-ordered Nanospace Materials (Grad. Sch. Eng. Sci., Osaka Univ.) MAENO, Zen; YAMAMOTO, Ryouichi; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro; KANEDA, Kiyotomi
- 4H3-13** Addition of aromatic carboxylic acids to internal alkynes by oxide-supported Ru catalysts (Urban Environmental Sci., Tokyo Metropolitan Univ.; Kyoto Univ. ESICB; Kagawa Univ. Fac. Med) TSUTSUI, Kentaro; MIURA, Hiroki; WADA, Kenji; SHISHIDO, Tetsuya

Sunday, March 30, PM

Chair: HARA, Takayoshi (13 : 00~14 : 00)

- * 12:50-13:00: interval for laptop PC connection.(4H3-25, 4H3-27, 4H3-28, 4H3-29, 4H3-30)
- 4H3-25[#]** Aerobic Oxidation of Cyclohexanones to Cyclic Enones, Phenols, and Phenyl Ethers over Supported Palladium Catalysts (Grad. Sch. Sci., Kyushu Univ.) ZHANG, Zhenzhong; HASHIGUCHI, Taishin; ISHIDA, Tamao; HAMASAKI, Akiyuki; TOKUNAGA, Makoto
- 4H3-27** Boomerang-type Pd nanoparticles catalyzed C-C coupling reaction in water (OIT) OHTAKA, Atsushi; OKAGAKI, Toshiyuki; SHIMOMURA, Osamu; NOMURA, Ryoki
- 4H3-28[#]** Development of highly active Pd catalysts for the Suzuki-Miyaura coupling reaction of chlorobenzene and aryl halides (Sch. Mat. Sci., JAIST) JIA, Jixiang; CHOUDHARY, Hemant; NISHIMURA, Shun; EBITANI, Kohki
- 4H3-29** Carbonylative Suzuki coupling reaction catalyzed by Pd containing immobilized ionic liquid catalyst (Grad. Sch. Frontier Sci., The Univ. of Tokyo) KHEDKAR, Mayur v.; SASAKI, Takehiko; BHANAGE, Bhalchandra m.
- 4H3-30** Iron oxide catalyzed synthesis of aldehydes employing acid chlorides and hydrosilanes (Grad. Sch. Eng., Kyoto Univ.) CONG, Cong; FUJIHARA, Tetsuaki; TERAOKA, Jun; TSUJI, Yasushi

Chair: YAMAGUCHI, Kazuya (14 : 10~15 : 00)

- * 14:00-14:10: interval for laptop PC connection.(4H3-32, 4H3-34, 4H3-36)
- 4H3-32[#]** Dual Nature of Palladium in the Presence and Absence of Gold in Catalytic Dechlorination of Aryl Chlorides (IMS) KARANJIT, Sangita; JINASAN, Atchaleeya; SOMSOOK, Ekasith; DHITAL, Raghu Nath; SAKURAI, Hidehiro
- 4H3-34^{**}** A Peculiar Activity of Bimetallic Gold/Palladium Alloy Nanoclusters in Carbon-Chlorine Bond Activation: An Application to Ullmann Coupling

(IMS) DHITAL, Raghu Nath; KAMONSATIKUL, Choavarit; SOMSOOK, Ekasith; BOBUATONG, Karan; EHARA, Masahiro; KARANJIT, Sangita; SAKURAI, Hidehiro

4H3-36 The effect of the Phase-Transfer Catalysts by Hexaalkyl-guanidinium salt (Sch. Eng., Tokyo Denki Univ.) TANAKA, Satomi

Chair: SAKURAI, Hidehiro (15 : 10~16 : 10)

* 15:00-15:10: interval for laptop PC connection.(4H3-38, 4H3-40, 4H3-42, 4H3-43)

4H3-38* Development of EG/Oxalic Acid Conversion Catalysts Based on Fe-group Nanoalloy Particles for Realization of Carbon-Neutral Energy Cycles (I₂CNER, Kyushu Univ.) MATSUMOTO, Takeshi; HEIMA, Minako; SADAKIYO, Masaaki; YAMAUCHI, Miho; YAMAMOTO, Tomokazu; MATSUMURA, Syo; TAKEGUCHI, Tatsuya; KATO, Kenichi; OZAWA, Nobuki

4H3-40* Catalytic Activity of Platinum Subnanocluster for Oxidation Reactions (Chem. Res. Lab., Tokyo Tech) TAKAHASHI, Masaki; IMAOKA, Takane; YAMAMOTO, Kimihisa

4H3-42 Preparation and structural characterization of polyoxotungstate stabilized Ru-O nanoparticles and their catalytic activity for water oxidation (Fac. Eng., Hiroshima Univ.) KOYAMA, Yuki; KITATOMI, Hiroaki; OGO, Shuhei; SUZUKI, Ayaka; MIYAMOTO, Mayumi; SADAKANE, Masahiro; SANO, Tsunegi

4H3-43 Toluene oxygenation catalyzed by a mononuclear Mn complex supporting on mesoporous silica-alumina (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) ARARANI, Yusuke; YAMADA, Yusuke; FUKUZUMI, Shunichi

(Ag,Cu)GaSe₂ photocathodes prepared by two-step method (Grad. Sch. Eng., The Univ. of Tokyo) ZHANG, Li; MINEGISHI, Tsutomu; KUBOTA, Jun; DOMEN, Kazunari

Chair: KATO, Hideki (15 : 30~16 : 40)

* 15:20-15:30: interval for laptop PC connection.(2H4-40, 2H4-42, 2H4-43, 2H4-44, 2H4-45, 2H4-46)

2H4-40* Mechanistic Analysis of Photocatalytic Reduction of NO with NH₃ over Dye-modified TiO₂ Photocatalysts (Grad. Sch. Eng., Kyoto Univ.) YAMAMOTO, Akira; TERAMURA, Kentaro; HOSOKAWA, Saburo; TANAKA, Tsunehiro

2H4-42 Efficient Water Splitting under Visible Light on TaON Photoanode loaded with Oxygen Evolving Catalysts (Grad. Sch. Eng., Kyoto Univ.) UENO, Koki; HIGASHI, Masanobu; ABE, Ryu

2H4-43 Fabrication of metal-doped BaTaO₂N photoanodes for efficient water splitting under visible light irradiation (Grad. Sch. Eng., Kyoto Univ.) YAMANAKA, Yuta; HIGASHI, Masanobu; ABE, Ryu

2H4-44 Development of two-step water splitting systems workable under visible light using sulfide photocatalysts (Grad. Sch. Eng., Kyoto Univ.) SHIRAKAWA, Takashi; HIGASHI, Masanobu; ABE, Ryu

2H4-45 Nitrogen implantation into Nb:SrTiO₃(100) substrate by N₂⁺ ion sputtering (ISSP, The Univ. of Tokyo) SHIMIZU, Sumera; LIPPMAN, Mikko; KOMORI, Fumio; YOSHINOBU, Jun

2H4-46 Photoanode of ZnO-(GaN:ZnO) core-shell nanorods for photoelectrochemical water splitting (Grad. Sch. Eng., The Univ. of Tokyo) WATANABE, Osamu; LI, Yanbo; ZHONG, Miao; HISATOMI, Takashi; KATAYAMA, Masao; KUBOTA, Jun; DELAUNAY, Jean-jacques; DOMEN, Kazunari

Chair: TERAMURA, Kentaro (16 : 50~17 : 30)

* 16:40-16:50: interval for laptop PC connection.(2H4-48, 2H4-49, 2H4-50, 2H4-51)

2H4-48 Direct Hydroxylation of Benzene to Phenol on Copper-loaded Tungsten(VI) Oxide Photocatalyst (Grad. Sch. Eng., Kyoto Univ.) KAMEI, Hiromu; TOMITA, Osamu; HIGASHI, Masanobu; HOSOKAWA, Saburo; WADA, Kenji; ABE, Ryu

2H4-49 Solvothermal Synthesis of SrTiO₃ Fine Particles and their Application for Photocatalytic Water Splitting (Grad. Sch. Eng., Kyoto Univ.) ISENO, Junya; TOMITA, Osamu; HOSOKAWA, Saburo; HIGASHI, Masanobu; ABE, Ryu

2H4-50 Investigation on photoelectrochemical and photocatalytic activity of LaTiO₂N synthesized by various methods for water splitting (Grad. Sch. Eng., The Univ. of Tokyo) KUMAMOTO, Kazunori; TAKAMURA, Toru; HISATOMI, Takashi; MORIYA, Yosuke; MINEGISHI, Tsutomu; KATAYAMA, Masao; KUBOTA, Jun; DOMEN, Kazunari

2H4-51 Photoelectrochemical properties of Ag-Ga selenides prepared by co-evaporation method (The Univ. of Tokyo Eng) KANEKO, Hiroyuki; MINEGISHI, Tsutomu; KUBOTA, Jun; DOMEN, Kazunari

Saturday, March 29, AM

Chair: MAEDA, Kazuhiko (9 : 00 ~ 10 : 10)

* 8:50-9:00: interval for laptop PC connection.(3H4-01, 3H4-03, 3H4-04, 3H4-05, 3H4-06, 3H4-07)

3H4-01* Synthesis of visible light sensitive Rh doped SrTiO₃ nanoparticles using water soluble precursor and their photocatalytic property (TOTO LTD.; Grad. Sch. Eng., Kyoto Univ.) OKUNAKA, Sayuri; TOKUDOME, Hiromasa; ABE, Ryu

3H4-03 Photocatalytic oxidation of sulfide over visible-light-responding semiconductors (Kinki Univ.) NISHINO, Yuri; TANAKA, Atsuhiko; HASHIMOTO, Keiji; KOMINAMI, Hiroshi

3H4-04 Design of WO₃/BiVO₄ photoelectrode for efficient hydrogen production by water splitting (ETRI, AIST) FUKU, Kojiro; FUJIMOTO, Issei; WANG, Nini; SAITOU, Rie; MISEKI, Yugo; SAYAMA, Kazuhiro

3H4-05 Efficient water oxidation accompanied with Fe³⁺ reduction over Au-loaded TiO₂ Photocatalyst (Fac. Sci. Technol., Tokyo Univ. of Sci.) TERASHIMA, Naohiro; MISEKI, Yugo; SAYAMA, Kazuhiro; GUNZI, Takahiro

3H4-06 The influence of various cocatalyst on photocatalytic water reduction or oxidation in two-step water splitting systems with shuttle redox couples (Grad. Sch. Eng., Kyoto Univ.) TSUJI, Kouhei; TOMITA, Osamu; HIGASHI, Masanobu; ABE, Ryu

3H4-07 Photocatalytic hydrogen production by Ir and Rh complexes in organic resins (Grad. Sch. Eng., Osaka Univ.) KUBOTA, Yoshihiko; MORI, Kohsuke; YAMASHITA, Hiromi

Chair: YAMAKATA, Akira (10 : 20~11 : 40)

* 10:10-10:20: interval for laptop PC connection.(3H4-09, 3H4-11, 3H4-12, 3H4-13, 3H4-14)

3H4-09* Enhanced Photoresponse of p-type CaFe₂O₄ electrode by Metal Doping (Toyota Central R&D Labs., Inc. Frontier Research Center) SEKIZAWA, Keita; NONAKA, Takamasa; ARAI, Takeo; MORIKAWA, Takeshi

3H4-11 CO₂ Reduction under Visible Light Irradiation over Cu-contained Metal Sulfide Photocatalyst Electrodes having p-type Semiconductor Property

Room H4

Liberal Arts & Sciences Main Building
C33

Catalysts and Catalysis

Friday, March 28, PM

Chair: SHIRAIISHI, Yasuhiro (12 : 40~14 : 00)

* 12:30-12:40: interval for laptop PC connection.(2H4-23, 2H4-24, 2H4-26, 2H4-28, 2H4-29, 2H4-30)

2H4-23 Reactivities of Photoexcited Charge Carriers Studied by Time-resolved Absorption Spectroscopy (Sch. of Eng., Toyota Technological Institute) KAWAGUCHI, Masayuki; YAMAKATA, Akira

2H4-24* Development of a novel surface modification of photocatalyst for efficient water splitting (GREEN, NIMS) TAKATA, Tsuyoshi; DOMEN, Kazunari

2H4-26* Photocatalytic overall water splitting on a complex perovskite oxynitride under visible light (<600nm) irradiation (GREEN, NIMS) PAN, Chengsi; TAKATA, Tsuyoshi; NAKABAYASHI, Mamiko; MATSUMOTO, Takao; IKUHARA, Yuichi; DOMEN, Kazunari

2H4-28 Z-schematic water splitting using PbCr_{1-x}O₄(M = Mo,W) photocatalyst prepared by various methods. (Fac. Sci., Tokyo Univ. of Sci.) ASAKO, Norihiro; KATO, Takaaki; JIA, Qingxin; IWASE, Akihiko; KUDO, Akihiko

2H4-29 Photocatalytic reactions over transition metal-added SnNb₂O₆ under visible light irradiation (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) HORIE, Hirotaaka; IWASE, Akihiko; KUDO, Akihiko

2H4-30 Decomposition of ammonia over valence band-controlled photocatalysts under visible light irradiation (Fac. Sci., Tokyo Univ. of Sci.) MATSUMOTO, Daisuke; IWASE, Akihiko; KUDO, Akihiko

Chair: TAKATA, Tsuyoshi (14 : 10~15 : 20)

* 14:00-14:10: interval for laptop PC connection.(2H4-32, 2H4-34, 2H4-35, 2H4-36, 2H4-37, 2H4-38)

2H4-32* First-principles study of the visible-light response of GaN:ZnO solid solution with respect to the local atomic configuration (Grad. Sch. Eng., The Univ. of Tokyo) KAWAI, Hiroki; GIORGI, Giacomo; PALUMMO, Maurizia; YAMASHITA, Koichi

2H4-34 Synthesis of complex oxynitride photocatalysts based on Ta via a tantalum peroxo complex (IMRAM, Tohoku Univ.) KATO, Hideki; SHIMIZU, Katsuya; KOBAYASHI, Makoto; KAKIHANA, Masato

2H4-35 Synthesis of Nb-based oxynitride photocatalysts via a niobium peroxo complex (IMRAM, Tohoku Univ.) SHIMIZU, Katsuya; KATO, Hideki; KOBAYASHI, Makoto; KAKIHANA, Masato

2H4-36* Photocatalytic H₂ evolution activity of La and Rh codoped SrTiO₃ powder prepared by the two-step solid-state reaction (Grad. Sch. Eng., The Univ. of Tokyo) WANG, Qian; HISATOMI, Takasi; DOMEN, Kazunari

2H4-37 Photoelectrochemical properties of photocathode prepared from Cu-In-Ga-Se photocatalytic particles for sunlight driven water splitting (Grad. Sch. Eng., The Univ. of Tokyo) KUMAGAI, Hiromu; MINEGISHI, Tsutomu; KUBOTA, Jun; DOMEN, Kazunari

2H4-38* Photoelectrochemical hydrogen evolution using Pt and CdS modified

- (Fac. Sci., Tokyo Univ. of Sci.) TAKAYAMA, Tomoaki; IWASE, Akihide; KUDO, Akihiko
- 3H4-12** Water splitting under visible light irradiation over laminated metal sulfide photocatalyst electrode (Fac. Sci., Tokyo Univ. of Sci.) YAMAMOTO, Tomoki; YAMATO, Kohei; KAGA, Hiroshi; IWASE, Akihide; KUDO, Akihiko
- 3H4-13** Photoelectrochemical Properties of Layered Materials-Incorporated Photocatalyst with p-Type Semiconductor Character (Fac. Sci., Tokyo Univ. of Sci.) IWASE, Akihide; IKEDA, Satoru; IWASHINA, Katsuya; KUDO, Akihiko
- 3H4-14** CSJ Award for Young Chemists Development of Novel Photocatalyst and Cocatalyst Materials for Water Splitting under Visible Light (Grad. Sch. Sci., Eng., Tokyo Tech) MAEDA, Kazuhiko

Saturday, March 29, PM

- Chair: KOMINAMI, Hiroshi (12 : 50~14 : 00)
- * 12:40-12:50: interval for laptop PC connection.(3H4-24, 3H4-26, 3H4-27, 3H4-28, 3H4-29, 3H4-30)
- 3H4-24[#]** Photocatalysis of Mesoporous SiO₂-TiO₂-Au Nanoparticle Composite under UV and Visible Light (Toyohashi Univ. of Tech.) OKUNO, Teruhisa; KAWAMURA, Go; MUTO, Hiroyuki; MATSUDA, Atsunori
- 3H4-26** Size-dependent Photocatalytic Activity of ZnS-AgInS₂ Nanoparticles for H₂ Evolution (Sch. Eng., Nagoya Univ.) MACHIDA, Takahiro; TAKAHASHI, Takuya; KAMEYAMA, Tatsuya; KUWABATA, Susumu; TORIMOTO, Tsukasa
- 3H4-27** Highly Selective Production of Hydrogen Peroxide on Graphitic Carbon Nitride Activated by Visible Light (RCSE, Osaka Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) KANAZAWA, Shunsuke; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki
- 3H4-28** Visible-light-induced water oxidation on WO₃ particles coated with thin layers of rutile TiO₂ (Grad. Sch. Eng., Kyoto Univ.) NITTA, Shinnosuke; TOMITA, Osamu; HIGASHI, Masanobu; ABE, Ryu
- 3H4-29** Visible Light-Induced Reaction by Hybrid Plasmonic Photocatalysts Composed of Gold/Silver-Modified Titania and Ruthenium Complexes (Grad. Sch. Env. Sci., Hokkaido Univ.; CRC, Hokkaido Univ.) YOSHIHARA, Kenta; KASTL, Evelyn; RAU, Sven; OHTANI, Bunsho; KOWALSKA, Ewa
- 3H4-30** Improvement of photoreduction properties of carbon dioxide by layered double hydroxide combined with visible light-responsive material or photooxidation catalyst (Fac. Sci., Chiba Univ.) KAWAMURA, Shogo; MORIKAWA, Motoharu; OGURA, Yuta; IZUMI, Yasuo

- Chair: SHISHIDO, Tetsuya (14 : 10~15 : 20)
- * 14:00-14:10: interval for laptop PC connection.(3H4-32, 3H4-34, 3H4-35, 3H4-36, 3H4-37, 3H4-38)
- 3H4-32*** Development of photoelectrochemical CO₂ reduction using metal-complex photocatalyst on NiO electrode (Grad. Sch. Sci., Eng., Tokyo Tech) SAHARA, Go; ABE, Ryu; MORIKAWA, Takeshi; SAKANO, Mitsuru; KAJINO, Tsutomu; MAEDA, Kazuhiko; ISHITANI, Osamu
- 3H4-34** Preparation and Photocatalytic Activity of Porous Bi₂O₃ (Grad. Sch. Eng., Mie Univ.) HASHIMOTO, Tadanori; OHTA, Honami; NASU, Hiroyuki; ISHIIHARA, Atsushi
- 3H4-35** Long-lived electron transfer state of an organic photocatalyst incorporated into nanosized mesoporous silica-alumina acting as a photocatalyst for H₂O₂ production in water (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) YAMADA, Yusuke; NOMURA, Akifumi; FUKUZUMI, Shunichi
- 3H4-36** Hybrid H₂-evolution catalysts: In-situ formation of H₂-evolution catalysts from metal salts on the silica-alumina supporting an organic photosensitizer (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) TADOKORO, Hideyuki; YAMADA, Yusuke; FUKUZUMI, Shunichi
- 3H4-37** Photoinduced ring-hydrogenation of benzoic acid over metal-loaded titanium(IV) oxide (Kinki Univ.) NAKANISHI, Kousuke; IMAMURA, Kazuya; HASHIMOTO, Keiji; KOMINAMI, Hiroshi
- 3H4-38** Deoxygenation of Epoxides on the Surface Defects of Titanium Dioxide Activated by Photoirradiation (RCSE, Osaka Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) HIRAKAWA, Hiroaki; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki

- Chair: SAYAMA, Kazuhiro (15 : 30~16 : 40)
- * 15:20-15:30: interval for laptop PC connection.(3H4-40, 3H4-42, 3H4-43, 3H4-44, 3H4-45, 3H4-46)
- 3H4-40[#]** Gold supported on alumina as a catalyst for the surface plasmon-enhanced selective reduction of nitrobenzene (Sch. Mat. Sci., JAIST) CHAISEEDA, Kittichai; NISHIMURA, Shun; EBITANI, Kohki
- 3H4-42** Photocatalytic activities of TiO₂ helical nanotubes hybridized by various metals. (Fac. Textile Sci. Technol., Shinshu Univ.) OI, Shin; HANABUSA, Kenji; SUZUKI, Masahiro
- 3H4-43** Photoassisted Defluorination of Fluorinated Pharmaceuticals and Agrochemicals by Gallium Oxide in Aqueous Media (Meisei Univ.) TSUKAMOTO, Tohru; MITSUTSUKA, Yoshihiro; HIDAKA, Hisao
- 3H4-44** Photocatalytic activity of allophane-titania composites prepared on porous SiC filter (Shinshu Univ. Grad. Sch. Sci. Technol.; Kotohira Kogyo) MORITA, Koji; NISHIKIORI, Hiromasa; SHIBUYA, Yuki; TAGASHIRA, Kenji

- 3H4-45** Photocatalytic degradation of fats and oils using titanium oxide (Grad. Sch. Sci. Technol., Shinshu Univ.) HASEGAWA, Tsutomu; TANAKA, Nobuaki; NISHIKIORI, Hiromasa
- 3H4-46** Photooxidation of alcohols over mesoporous niobium oxide (Urban Environmental Sci., Tokyo Metropolitan Univ.; Grad. Sch. Eng., Kyoto Univ.; Kyoto Univ. ESICB) YONEYAMA, Narumi; MIURA, Hiroki; NODA, Atsuhiko; TANAKA, Tsunehiro; SHISHIDO, Tetsuya

- Chair: FUKUZUMI, Shunichi (16 : 50~18 : 00)
- * 16:40-16:50: interval for laptop PC connection.(3H4-48, 3H4-50, 3H4-51, 3H4-52, 3H4-53, 3H4-54)
- 3H4-48[#]** Photocatalytic selective hydrogenation of multi-bond over co-catalyst loaded titanium(IV) oxide (Fac. Sci. Eng., Kinki Univ.) IMAMURA, Kazuya; ITO, Tomohiko; TANAKA, Atsuhiko; HASHIMOTO, Keiji; KOMINAMI, Hiroshi
- 3H4-50** Organic conversion reactions with high selectivity and yield using photocatalytic microreactor (Grad. Sch. Sci. Eng., Chuo Univ.) YOSHIDA, Keisuke; NAKAMURA, Akari; ISHIWATA, Tomoka; KUWAHARA, Syota; KATAYAMA, Kenji
- 3H4-51** Charge separation behavior between each facet on WO₃ particle (ETRI, AIST) MISEKI, Yugo; FUKU, Kojiro; FUNAKI, Takashi; KUSAMA, Hitoshi; ONOZAWA, Nobuko; KONISHI, Yoshinari; KITAO, Osamu; SAYAMA, Kazuhiro
- 3H4-52** Development of two-step water-splitting systems employing layered compounds (Grad. Sch. Eng., Kyoto Univ.) SUZUKI, Hajime; HIGASHI, Masanobu; ABE, Ryu; ABE, Ryu
- 3H4-53** Development of highly efficient photocatalysts for water splitting via solvothermal reaction (Grad. Sch. Eng., Kyoto Univ.) NAKAMURA, Akitoshi; HOSOKAWA, Saburo; HIGASHI, Masanobu; ABE, Ryu
- 3H4-54** Synthesis of niobium oxide by solvothermal method and its performance for selective photooxidation (Sch. Eng., Kyoto Univ.) TAMAI, Kazuki; HOSOKAWA, Saburo; TERAMURA, Kentaro; SHISHIDO, Tetsuya; TANAKA, Tsunehiro

- Chair: TORIMOTO, Tsukasa (18 : 10~18 : 30)
- * 18:00-18:10: interval for laptop PC connection.(3H4-56, 3H4-57)
- 3H4-56** Photofuel cell to utilize water as a fuel: transformation of active structure of silver nanoparticles on cathode and the optimization of current-voltage characteristics (Grad. Sch. Sci., Chiba Univ.) OGURA, Yuta; OKAMOTO, Seiji; FUJISHIMA, Yukiko; IZUMI, Yasuo
- 3H4-57** Photocatalytic conversion of carbon dioxide by water over Ta-based oxides (Sch. Eng., Kyoto Univ.) TATSUMI, Hiroyuki; WANG, Zheng; TERAMURA, Kentaro; HOSOKAWA, Saburo; TANAKA, Tsunehiro

Sunday, March 30, AM

- Chair: YAMASHITA, Hiromi (9 : 00 ~ 10 : 00)
- * 8:50-9:00: interval for laptop PC connection.(4H4-01, 4H4-02, 4H4-03, 4H4-04, 4H4-05, 4H4-06)
- 4H4-01** Photocatalytic Selective Oxidation of Propylene over Highly Dispersed Vanadium Oxide Prepared by a Hydrothermal Method (Grad. Sch. Eng., Kyoto Univ.) MINEJI, Hiroto; YAMAMOTO, Akira; TERAMURA, Kentaro; HOSOKAWA, Saburo; TANAKA, Tsunehiro
- 4H4-02** Analysis of electron traps by double-beam photoacoustic spectra of titanium(IV) oxide photocatalyst particles (CRC, Hokkaido Univ.; Grad. Sch. Env. Sci., Hokkaido Univ.) NITTA, Akio; TAKASE, Mai; OHTANI, Bunsho
- 4H4-03** Mechanistic study on titanium(IV) oxide photocatalysis for oxygen using iodate ions as an electron acceptor (CRC, Hokkaido Univ.; Grad. Sch. Env. Sci., Hokkaido Univ.) TAKEUCHI, Shugo; TAKASE, Mai; OHTANI, Bunsho
- 4H4-04** Influence of generated hydrogen peroxide in the reaction solution on photocatalytic oxidation of aqueous ammonia in the presence of oxygen over metal-loaded TiO₂ (Sch. Sci., Tokai Univ.) SHIBUYA, Satoshi; AIZAWA, Junichi; SEKINE, Yoshika; MIKAMI, Ikko
- 4H4-05** Photocatalytic TiO₂ reaction in CuCl₂ solution (Sch. of Eng., Toyota Technological Institute; JST-PRESTO) TAKAGI, Masaki; KAWAGUCHI, Masayuki; KAMIYA, Itaru; YAMAKATA, Akira
- 4H4-06** Photocatalytic hydrogen evolution using semiconductor nanosheets supporting an organic donor-acceptor linked dyad and metal nanoparticles (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) NOMURA, Akifumi; YAMADA, Yusuke; FUKUZUMI, Shunichi
- Chair: OHTANI, Bunsho (10 : 10~11 : 10)
- * 10:00-10:10: interval for laptop PC connection.(4H4-08, 4H4-09, 4H4-10, 4H4-11, 4H4-12, 4H4-13)
- 4H4-08** Synergistic effect of Ni and Cu on hydrogen-evolution catalysis of Ni-Cu/SiO₂ in a photocatalytic reaction using a donor-acceptor linked dyad (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) SHIKANO, Shinya; YAMADA, Yusuke; FUKUZUMI, Shunichi
- 4H4-09** Photocatalytic conversion of carbon dioxide in water over Ru complex/Ni-Al LDH hybrid photocatalyst (Grad. Sch. Eng., Kyoto Univ.) IGUCHI, Shoji; TERAMURA, Kentaro; HOSOKAWA, Saburo; KURAMOCHI, Yusuke; ISHIDA, Hitoshi; TANAKA, Tsunehiro
- 4H4-10[#]** Photocatalytic conversion of CO₂ in water over Ga₂O₃ (Grad. Sch.

Eng., Kyoto Univ.) WANG, Zheng; TERAMURA, Kentaro; HOSOKAWA, Saburo; TANAKA, Tsunehiro

4H4-11 Reversible photocatalytic dehydrogenation-thermocatalytic hydrogenation reactions of organic compounds over metal-loaded titanium(IV) oxide (Fac. Sci. Eng., Kinki Univ.) SETO, Naoko; IMAURA, Kazuya; HASHIMOTO, Keiji; KOMINAMI, Hiroshi

4H4-12 Photofuel cell to utilize water as a fuel: Effects to use p-BiOCl photocatalyst on the cathode (Fac. Sci., Chiba Univ.) FUJISHIMA, Yukiko; OKAMOTO, Seiji; OGURA, Yuta; IZUMI, Yasuo

4H4-13 Photocatalytic properties of TiO₂-loaded porous silica with higher-order nanostructure (Grad. Sch. Eng., Osaka Univ.) KAMEGAWA, Takashi; ISHIGURO, Yasushi; SETO, Hiroki; YAMASHITA, Hiromi

Chair: MURAMATSU, Atsushi (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(4H4-15)

4H4-15 CSJ Award for Creative Works Heterogeneous Acid and Metal Catalysts for Environmentally Benign Chemical Production (MSL, Tokyo Tech) HARA, Michikazu

Sunday, March 30, PM

Chair: ISHITANI, Haruro (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(4H4-28, 4H4-29, 4H4-30, 4H4-31, 4H4-32, 4H4-33)

4H4-28[#] Investigation of Gallium (III) xanthate as latent curing agent for epoxy resin (Grad. Sch. Life Sci. Sys. Eng., KIT) VAGVALA, Tarun chand; PANDEY, Shyam sudhir; OGOMI, Yuhei; HAYASE, Shuzi

4H4-29[#] Catalytic performance of partial oxidation of methane over supported Ni catalysts prepared from Ni/Ca-Al-layered double hydroxide (Grad. Sch. Eng., Kyoto Univ.) MOKHTAR, Zulfakar; SHISHIDO, Tetsuya; HOSOKAWA, Saburo; TERAMURA, Kentaro; TANAKA, Tsunehiro

4H4-30 Cold start process of NH₃ oxidative decomposition for hydrogen production over Ru catalysts (Fac. Eng., Oita Univ.) EBOSHI, Takaaki; TAKEISHI, Yuma; HONDA, Kyoko; SATO, Katsutoshi; NAGAOKA, Katsutoshi

4H4-31 Effects of additives over Co-Mg-O solid solution catalysts for high pressured dry reforming of methane (Grad. Sch. Eng., Oita Univ.) KITAYAMA, Godai; ISHIKAWA, Takahiro; SATO, Katsutoshi; NAGAOKA, Katsutoshi

4H4-32 Selective manufacture of n-paraffins with even carbon number from vegetable oil by using Mo based catalyst (Fac. Eng., Tokyo Univ. of Agri. and Technol.) TAKEHARA, Satoshi; CHEN, Ning; QIAN, Eika W.

4H4-33 Catalytic cracking of fat using zeolite-containing catalysts with micro-meso-meso three step hierarchical structure (Grad. Sch. Eng., Mie Univ.) ISHIHARA, Atsushi; KAWARAYA, Daisuke; HASHIMOTO, Tadanori; NASU, Hiroyuki

Chair: HOSOKAWA, Saburo (14 : 40~15 : 20)

* 14:30-14:40: interval for laptop PC connection.(4H4-35, 4H4-37, 4H4-38)

4H4-35** Direct phenol synthesis from benzene with O₂ regulated by NH₃ on zeolite β -supported Ir and Ni catalysts (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) WANG, Linsheng; YAMAMOTO, Sadaaki; HAYASHIZAKI, Kenichiro; NAGAMATSU, Shin-ichi; SASAKI, Tekehiko; IWASAWA, Yasuhiro

4H4-37 Adsorption structures of n-alkanes on silicalite-1 using single-crystal X-ray method (Dept. Appl. Chem., Nat. Def. Acad.) FUJIYAMA, Shinjiro; KAMIYA, Natsumi; NISHI, Koji; YOKOMORI, Yoshinobu

4H4-38 Reactive intermediates formed in dioxygen-activated Cu-ZSM-5 with or without water molecule: A computational study (KIT) HIROSE, Yuuki; YUMURA, Takashi; KURODA, Yasushige; KOBAYASHI, Hisayoshi

Chair: YUMURA, Takashi (15 : 30~16 : 30)

* 15:20-15:30: interval for laptop PC connection.(4H4-40, 4H4-42, 4H4-43, 4H4-44, 4H4-45)

4H4-40* Photocatalysis of Mesoporous Nickel-Iron Composite Oxides Prepared by an Aerosol-Spray Method (Grad. Sch. Eng., Osaka Univ.; ALCA, JST) HONG, Dachao; YAMADA, Yusuke; TSUNG, Chia-kuang; FUKUZUMI, Shunichi

4H4-42 Unique acid catalytic property of pure mesoporous silica KSW-2 with cubic mesopore (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech) KUMAGAI, Kazuto; ISHITANI, Haruro; IWAMOTO, Masakazu

4H4-43 Selective catalytic reduction of NO with CO over Cu/Al₂O₃ with various Al₂O₃ (Grad. Sch. Eng., Kyoto Univ.) TAMARU, Kyoko; HOSOKAWA, Saburo; TERAMURA, Kentaro; TANAKA, Tsunehiro

4H4-44 Oxygen storage capacity of Sr-Fe mixed oxides synthesized by polymerized complex method (Grad. Sch. Eng., Kyoto Univ.) BEPPU, Kosuke; HOSOKAWA, Saburo; TERAMURA, Kentaro; TANAKA, Tsunehiro

4H4-45 Combustion activity of Mn-modified YbFeO₃ catalysts synthesized by a solvothermal method (Sch. Eng., Kyoto Univ.) TADA, Ryohei; HOSOKAWA, Saburo; TERAMURA, Kentaro; TANAKA, Tsunehiro

Room H6

Liberal Arts & Sciences Main Building C35

Natural Products Chemistry

Thursday, March 27, AM

Chair: SATO, Takaaki (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(1H6-01, 1H6-02, 1H6-03, 1H6-04, 1H6-05, 1H6-06)

1H6-01 Synthesis of nitensidine E (KIT Graduate School of Engineering) YUASA, Ryohei; VAN VRANKEN, David; KITAMURA, Mitsuru

1H6-02 Synthesis of Substituted Piperazinones Based on Michael Addition of α -Amino Esters to Nitroalkenes (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) KUDOH, Takayuki; ISOYAMA, Seiji; SAKAKURA, Akira

1H6-03 Synthetic Study of Manzacidins Based on Diastereoselective Hydroxymethylation of Nitronate (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MIYOSHI, Natsumi; KUDOH, Takayuki; ISHIKAWA, Teruhiko; SAKAKURA, Akira

1H6-04 Synthetic Studies on Nagelamide K (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) FUJIMOTO, Kazuki; NAMBA, Kosuke; TANINO, Keiji

1H6-05 Synthetic study on lymphostin (Fac. Pharm. Sci., Tokyo Univ. of Sci.) YAMADA, Tatsuya; TAKAYAMA, Yohei; NAGASAWA, Kazuo

1H6-06 Direct Guanidination of Amino Groups by Lewis Acids in Water (RIKEN Biofunctional Synthetic Chemistry Laboratory; Sch. Advanced Sci. Eng., Waseda Univ.) TSUBOKURA, Kazuki; IWATA, Takayuki; NAKAO, Yoichi; TANAKA, Katsunori

Chair: SAKAKURA, Akira (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(1H6-08, 1H6-09, 1H6-10, 1H6-11, 1H6-12, 1H6-13)

1H6-08 Two-step Synthesis of Multi-substituted Amines (Grad. Sch. Sci. Tech., Keio Univ.) YORITATE, Makoto; MEGURO, Tatsuhiko; MATSUO, Naoya; SHIROKANE, Kenji; SATO, Takaaki; CHIDA, Noritaka

1H6-09 Second Generation Total Synthesis of Gephyrotoxin (Grad. Sch. Sci. Tech., Keio Univ.) SHIROKANE, Kenji; WADA, Takamasa; YORITATE, Makoto; MINAMIKAWA, Ryo; TAKAYAMA, Nobuaki; SATO, Takaaki; CHIDA, Noritaka

1H6-10 Total Synthesis of Azatricyclic Alkaloid (-)-Lepadiformine A Utilizing Novel Mercuric Triflate-Catalyzed Cycloisomerization Reaction as a Key Step (Grad. Sch. Sci., Osaka City Univ.) KIKUCHI, Seiho; EZAKI, Shinnosuke; KOYAMA, Tomoyuki; NOKUBO, Haruka; KODAMA, Takeshi; NISHIKAWA, Keisuke; TACHI, Yoshimitsu; MORIMOTO, Yoshiki

1H6-11 Syntheses of multi-substituted piperidines employing a dihydropyridine intermediate (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) MINAMI, Shintaro; MIZOGUCHI, Haruki; OGURI, Hiroki; OIKAWA, Hideaki

1H6-12 Synthetic study of halichrome A (Fac. Sci., Kanagawa Univ.) SUZUKI, Yutaro; ANAZAWA, Yuta; ABE, Takahiro; KAWAZOE, Yoshinori; WATABE, Taeko; YAMADA, Kaoru; UEMUYRA, Daisuke

1H6-13 Enantioselective Total Synthesis of Halichlorine (Grad. Sch. Life Sci., Tohoku Univ.) UNABARA, Daisuke; XU, Shu; UEMURA, Daisuke; ARIMOTO, Hirokazu

Chair: ARIMOTO, Hirokazu (11 : 20~12 : 10)

* 11:10-11:20: interval for laptop PC connection.(1H6-15, 1H6-17, 1H6-19)

1H6-15* Synthetic Studies on Palau'amine (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Grad. Sch. Sci., Hokkaido Univ.; Inst. Health Bio., The Univ. of Tokushima) TAKEUCHI, Kohei; KAIHARA, Yukari; NAMBA, Kosuke; TANINO, Keiji

1H6-17** Asymmetric Synthesis of Chiral Diamines by Imino Cyclization (RIKEN Biofunctional Synthetic Chemistry Laboratory) PRADIPTA, Ambara rachmat; TANAKA, Katsunori

1H6-19 Synthetic Study of (+)-Neostenine (Fac. Sci. Tech., Keio Univ.) NAKAYAMA, Yasuaki; SEKIYA, Ruriko; ICHIKI, Masato; SATO, Takaaki; CHIDA, Noritaka

Friday, March 28, AM

Chair: ISHIKAWA, Yuichi (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(2H6-01, 2H6-02, 2H6-03, 2H6-04, 2H6-05, 2H6-06)

2H6-01 Synthetic study of bioactive natural products using rearrangement reaction (Fac. Sci., Kochi Univ.) KINUTANI, Takahiro; ICHIKAWA, Yoshiyasu; NAKANO, Keiji

2H6-02 Synthetic studies of natural products with 1,2-diamino structural motif (Fac. Sci., Kochi Univ.) NISHIMORI, Ayumu; ICHIKAWA, Yoshiyasu; NAKANO, Keiji

2H6-03 Synthetic studies of marine natural products using Ugi reaction (Fac. Sci., Kochi Univ.) SAITO, Kenta; MIMURA, Rika; NAKANO, Keiji

ICHIKAWA, Yoshiyasu

- 2H6-04** Synthetic Study of Kainoids by Intramolecular Radical Cyclization (Grad. Sch. Sci., Osaka City Univ.) YAMADA, Azusa; OHFUNE, Yasufumi; SHINADA, Tetsuro
- 2H6-05** Synthetic Study of Acromelic Acids (Grad. Sch. Sci., Osaka City Univ.) MISAKI, Kumi; SHINADA, Tetsuro; OHFUNE, Yasufumi
- 2H6-06** Synthetic Study of Kaitocephalin Analogs Bearing an Alkyl Side Chain on the Aromatic Ring. (Grad. Sch. Sci., Osaka City Univ.) YOSHIDA, Yuya; YASUNO, Yoko; OHFUNE, Yasufumi; SHINADA, Tetsuro

Chair: NOGUCHI, Masato (10 : 10~11 : 00)

- * 10:00-10:10: interval for laptop PC connection.(2H6-08, 2H6-10, 2H6-11)
- 2H6-08*** Chemical Introduction of Glycans Precisely Controls the Protein Dynamics and Accumulation in Live Animals (RIKEN Biofunctional Synthetic Chemistry Laboratory) OGURA, Akihiro; TAHARA, Tsuyoshi; NOZAKI, Satoshi; WATANABE, Yasuyoshi; MORIMOTO, Koji; KIZUKA, Yasuhiko; KITAZUME, Shinobu; TANIGUCHI, Naoyuki; TANAKA, Katsunori
- 2H6-10** Selective Imaging by Synergetic Effects of Strong and Weak Interactions (RIKEN Biofunctional Synthetic Chemistry Laboratory) TAICHI, Misako; TANAKA, Katsunori
- 2H6-11*** A method for synthesizing Glycopolymers using Living-coordination polymerization and its application for the Siglec-7 binding molecules (Grad. Sch. Sci., Eng., Tokyo Tech) OHIRA, Shuichi; YASUDA, Yu; SATO, Chihiro; KITAJIMA, Ken; TOMITA, Ikuyoshi; TAKAHASHI, Takashi; TANAKA, Hiroshi

Chair: MANABE, Yoshiyuki (11 : 10~12 : 10)

- * 11:00-11:10: interval for laptop PC connection.(2H6-14, 2H6-15, 2H6-16, 2H6-17, 2H6-18, 2H6-19)
- 2H6-14** Stereoselective synthesis of carbohydrates by asymmetric aldol reaction using water-compatible organocatalysts in aqueous media (Meisei Univ.) BABA, Masakazu; MIURA, Daisuke; MACHINAMI, Tomoya
- 2H6-15** "Relationship between sweet taste intensity and conformation of chloro-deoxy-derivatives of sucrose" (Grad. Sch. Eng., Meisei Univ.) IWAMOTO, Akari; MIURA, Daisuke; FUJIMOTO, Takashi; MACHINAMI, Tomoya; TASHIRO, Mitsuru
- 2H6-16** Functional characterization of a glycosyltransferase involved in sordarin biosynthesis (Grad. Sch. Sci., Eng., Tokyo Tech) HAYASHI, Takaaki; KUDO, Fumitaka; EGUCHI, Tadasi
- 2H6-17** Synthetic studies towards L-glucose, based on β -selective Ferrier rearrangement (Fac. Pharm., Keio Univ.) OKAZAKI, Hayato; UEDA, Yuji; OHBA, Shigeru; HADA, Noriyasu; HANAYA, Kengo; SHOJI, Mitsuru; SUGAI, Takeshi
- 2H6-18** Synthesis of optically active inositol derivatives by enzymatic asymmetrization (Grad. Sch. Sci., Eng., Ehime Univ.) KITAMORI, Ayumi; TOYOSHIMA, Ryosuke; OHTA, Hidetoshi; HAYASHI, Minoru; WATANABE, Yutaka
- 2H6-19** Glycosylation reaction with cyclization of propynoxy triazine (Grad. Sch. Eng., Tohoku Univ.) NOGUCHI, Masato; SATO, Nozomi; SHODA, Shin-ichiro

Friday, March 28, PM

Chair: NOKAMI, Toshiki (13 : 20~14 : 20)

- * 13:10-13:20: interval for laptop PC connection.(2H6-27, 2H6-28, 2H6-29, 2H6-30, 2H6-31, 2H6-32)
- 2H6-27** Novel cleavage reaction of 1,2,4-orthoacetyl-3,6-*O*-(*o*-xylylene)- α -D-glucopyranose (Sch. Sci. Tech., Kwansei Gakuin Univ.) UCHINO, Takuya; YAMADA, Hidetoshi
- 2H6-28** Conformation of glucose furnished a 3,6-*O*-[bibenzyl-2,2'-(methylene)]-bridge (Sch. Sci. Tech., Kwansei Gakuin Univ.) HIRATA, Yasuaki; YAMADA, Hidetoshi
- 2H6-29** Highly α -selective glycosylation using 3,6-*O*-[bibenzyl-2,2'-(methylene)]-bridged thiophenyl sugar (Sch. Sci. Tech., Kwansei Gakuin Univ.) KAWASAKI, Yuri; HIRATA, Yasuaki; YAMADA, Hidetoshi
- 2H6-30** Synthetic study on carthamin (Grad. Sch. Sci., Eng., Tokyo Tech) HAYASHI, Taiki; OHMORI, Ken; SUZUKI, Keisuke
- 2H6-31** Synthetic study towards fucosyltransferase8 inhibitor (Grad. Sch. Sci., Osaka Univ.) KASAHARA, Satomi; MANABE, Yoshiyuki; FUKASE, Koichi
- 2H6-32** Light-Induced O-Glycosylation Utilizing Organophotoacids (Fac. Sci. Tech., Keio Univ.) IWATA, Ryosuke; UDA, Kanjiro; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu

Chair: OKAMOTO, Ryo (14 : 30~15 : 30)

- * 14:20-14:30: interval for laptop PC connection.(2H6-34, 2H6-36, 2H6-37, 2H6-38, 2H6-39)
- 2H6-34**** Synthesis and Biological Activities of Mycobacterium Peptidoglycan (PGN) Fragments Containing MurNGlyc (Grad. Sch. Sci., Osaka Univ.) WANG, Qianqian; MATSUO, Yusuke; FUJIMOTO, Yukari; FUKASE, Koichi
- 2H6-36** Synthetic study of *Enterococcus faecalis* cell wall peptidoglycan fragments (Grad. Sch. Sci., Osaka Univ.) HASEGAWA, Hiroki; WANG,

Ning; FUJIMOTO, Yukari; FUKASE, Koichi

- 2H6-37** Synthesis of α -ribofuranosides using ribofuranosyl iodides as a glycosyl donors (Fac. Eng., Gifu Univ.) KAJINO, Rin; OKA, Natsuhisa; ANDO, Kaori
- 2H6-38** Optimization of Building Blocks for Automated Synthesis of Oligoglucosamine Based on the Electrochemical Method (Grad. Sch. Eng., Tottori Univ.) NOKAMI, Toshiki; ISODA, Yuuta; ITOH, Toshiyuki; HAYASHI, Ryuutaru; YOSHIDA, Jun-ichi
- 2H6-39** Synthetic study of *N*-linked glycan on flagellin from an archaeon *Methanococcus voltae* (Grad. Sch. Sci., Osaka Univ.) IKUJI, Tepei; FUJIMOTO, Yukari; FUKASE, Koichi

Chair: NOGUCHI, Masato (15 : 40~16 : 40)

- * 15:30-15:40: interval for laptop PC connection.(2H6-41, 2H6-42, 2H6-43, 2H6-44, 2H6-46)
- 2H6-41** Synthetic study on bisecting glycan via the efficient glycosylation at the sterically-hindered site (Grad. Sch. Sci., Osaka Univ.) MINAMOTO, Naoya; NAGASAKI, Masahiro; MANABE, Yoshiyuki; TANAKA, Katsunori; FUKASE, Koichi
- 2H6-42** Substrate recognition mechanism of folding sensor enzyme UGGT analyzed by partially ¹⁵N-labeled glycopeptide substrate (Grad. Sch. Sci., Osaka Univ.; ERATO, JST; RIKEN) IZUMI, Masayuki; KURUMA, Rie; OKAMOTO, Ryo; SEKO, Akira; ITO, Yukishige; KAJIHARA, Yasuhiro
- 2H6-43** Substrate recognition mechanism of folding sensor enzyme UGGT analyzed by glycopeptide library (Grad. Sch. Sci., Osaka Univ.; ERATO, JST; RIKEN) KURUMA, Rie; IZUMI, Masayuki; OKAMOTO, Ryo; SEKO, Akira; ITO, Yukishige; KAJIHARA, Yasuhiro
- 2H6-44*** Synthesis of 1,2-cis amino glycoside oligomer by anomerization reaction (ASI, RIKEN) MANABE, Shino; ITO, Yukishige
- 2H6-46#** Development of effective glycosylation using In (III) (Grad. Sch. Sci., Osaka Univ.) SALMASAN, Regina; KITAWAKI, Yuriko; MANABE, Yoshiyuki; FUKASE, Koichi

Chair: TAKAHASHI, Daisuke (16 : 50~17 : 30)

- * 16:40-16:50: interval for laptop PC connection.(2H6-48, 2H6-49, 2H6-51)
- 2H6-48** Synthesis of *Entamoeba histolytica* inositol phospholipids, for selective immune response via activation of NKT cells (Grad. Sch. Sci., Osaka Univ.; RCM, Nagoya Univ.; Nagoya Univ. Grad. Sch. Pharm. Sci.) AIBA, Toshihiko; SATO, Masaki; UMEGAKI, Daichi; NAKAGAWA, Shou; TANAKA, Shinji; KITAMURA, Masato; FUJIMOTO, Yukari; FUKASE, Koichi
- 2H6-49**** Systematic Synthesis of Homogeneous Erythropoietin Analogs Bearing a High Mannose-type Oligosaccharide and the Functional Analysis of Folding Sensor Enzyme UGGT (Grad. Sch. Sci., Osaka Univ.; ERATO, JST; ASI, RIKEN) KIUCHI, Tatsuto; OKAMOTO, Ryo; IZUMI, Masayuki; SEKO, Akira; ITO, Yukishige; KAJIHARA, Yasuhiro
- 2H6-51** Synthetic study of Antifreeze glycoprotein (Grad. Sch. Sci., Osaka Univ.) ORII, Ryo; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro

Saturday, March 29, AM

Chair: TANAKA, Katsunori (9 : 00~9 : 40)

- * 8:50-9:00: interval for laptop PC connection.(3H6-01, 3H6-02, 3H6-03, 3H6-04)
- 3H6-01** Synthesis of sialidase-resistant ganglioside GM3 analogues possessing an alkyne-tag (RIKEN; Fac. Sci. Tech., Keio Univ.; ERATO-JST) OTA, Eisuke; HIRAI, Go; KATO, Marie; OONUMA, Kana; NISHIYAMA, Shigeru; SODEOKA, Mikiko
- 3H6-02** Total synthesis of glucuronosyldiacylglycerol with an unsaturated fatty acid (RIKEN; ERATO-JST; Grad. Sch. Sci., Eng., Saitama Univ.) KURAMOTO, Yuta; OTA, Eisuke; HIRAI, Go; CHIHARA, Teiji; SODEOKA, Mikiko
- 3H6-03** CF₂-linked Gal- β (1,3)-GalNAc synthesis by a S_N2' reaction (RIKEN; Tokyo Med. and Dental Univ.; ERATO-JST) SAKAI, Motonari; TSUCHIKAWA, Hiroshi; HIRAI, Go; SODEOKA, Mikiko
- 3H6-04** Development of the efficient method for the immobilization of the lactose derivative on the gold plate (Okayama Univ. of Sci.) YAMADA, Haruo; KAMETANI, Akitomo

Chair: FUKASE, Koichi (9 : 50~10 : 50)

- * 9:40-9:50: interval for laptop PC connection.(3H6-06)
- 3H6-06** CSJ Award for Creative Works Study of Precise Chemical Synthesis of Human Glycoproteins (Grad. Sch. Sci., Osaka Univ.) KAJIHARA, Yasuhiro

Chair: HIRAI, Go (11 : 00~11 : 30)

- * 10:50-11:00: interval for laptop PC connection.(3H6-13, 3H6-14)
- 3H6-13** GlycoNAVI: Carbohydrate Interaction Database (Carint) (The Noguchi Institute) YAMADA, Issaku; KAINOU, Tomoka; MIZUNO, Mamoru
- 3H6-14*** Sulfur Chirality in Glycosyl Sulfoxide: Structural Analysis by VCD and Glycosyl Donor Reactivity (Grad. Fac. Life Sci., Hokkaido Univ.) TANIGUCHI, Tohru; NASU, Akihito; ASAHATA, Mai; HONGEN, Takahiro; MONDE, Kenji

Saturday, March 29, PM

Chair: KUDO, Fumitaka (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(3H6-28, 3H6-30, 3H6-31, 3H6-32, 3H6-33)
- 3H6-28*** Isolation and structure of novel bioactive substances from marine cyanobacterial biomat (Grad. Sch. Sci. Tech., Keio Univ.; University of Ryukyus) IWASAKI, Arihiro; OHNO, Osamu; SUMIMOTO, Shinpei; SUDA, Shoichiro; SUENAGA, Kiyotake
- 3H6-30*** En Route to the Total Synthesis of Ardimerin and Ardimerin Digallate (Grad. Sch. Sci., Eng., Tokyo Tech) TANZER, Eva-maria; OHMORI, Ken; SUZUKI, Keisuke
- 3H6-31** Functional analysis of NRPS complex involved in biosynthesis of antitumor antibiotics quinocarcin / SF-1739 (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KANEKO, Shunsuke; HIRATSUKA, Tomoshige; KOKETSU, Kento; MINAMI, Atsushi; OGURI, Hiroki; OIKAWA, Hideaki
- 3H6-32** Biosynthetic study of antifungal agent jawsamycin (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) SUZUKI, Hideaki; HIRATSUKA, Tomoshige; MINAMI, Atsushi; OIKAWA, Hideaki
- 3H6-33** Functional analysis of oxidation enzymes involved in ophiobolins biosynthesis (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) NARITA, Koji; CHIBA, Ryota; MINAMI, Atsushi; GOMI, Katsuya; OIKAWA, Hideaki

Chair: NAKANO, Keiji (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(3H6-35, 3H6-36, 3H6-37, 3H6-38, 3H6-39, 3H6-40)
- 3H6-35** Synthesis of α, α -disubstituted α -amino acids by U4CC reaction (Grad. Sch. Nanobioscience, Yokohama City Univ.) SUGAMATA, Yutaro; YOSHIOKA, Hiromasa; ISHIKAWA, Yuichi; OIKAWA, Masato
- 3H6-36** Synthetic study of clickable dysiherbaine (Grad. Sch. Nanobioscience, Yokohama City Univ.) FUKUSHIMA, Koichi; ISHIKAWA, Yuichi; OIKAWA, Masato
- 3H6-37** Synthetic studies on protoaculeine B (Grad. Sch. Nanobioscience, Yokohama City Univ.) OHTSUKA, Kazunori; ISHIKAWA, Yuichi; TAKAMIZAWA, Satoshi; SAKAI, Ryuichi; OIKAWA, Masato
- 3H6-38** Synthetic Study on Dolastatin 16 (Grad. Sch. Env. Sci., Hokkaido Univ.) SATO, Akinori; UMEZAWA, Taiki; MATSUDA, Fuyuhiko
- 3H6-39** Synthetic Study of Tetrodotoxin (Grad. Sch. Sci., Osaka City Univ.) MANABE, Atsushi; UEDA, Shota; OHFUNE, Yasuhumi; SHINADA, Tetsuro
- 3H6-40** Stereoselective Synthesis of 2,6-Diaminopimelic Acid Derivatives (Grad. Sch. Sci., Osaka City Univ.) YASUO, Nozomi; SHIMAMOTO, Keiko; OHFUNE, Yasufumi; SHINADA, Tetsuro

Chair: IZUMI, Masayuki (15 : 50~16 : 50)

- * 15:40-15:50: interval for laptop PC connection.(3H6-42, 3H6-43, 3H6-44, 3H6-45, 3H6-46, 3H6-47)
- 3H6-42** Synthesis of Histone Protein by Cys-Pro Ester (CPE) Ligation Using Recombinant Peptide as a C-terminal Segment (IPR, Osaka Univ.) KAWAKAMI, Toru; YOSHIKAWA, Ryo; FUJIYOSHI, Yuki; HOJO, Hironobu; TAJIMA, Shoji; SUETAKE, Isao
- 3H6-43** Total Synthesis of Sphingofungin F (Grad. Sch. Sci. Tech., Keio Univ.) TSUZAKI, Shun; OISHI, Hiroki; USUI, Shunme; FUKUYASU, Takahiro; SATO, Takaaki; CHIDA, Noritaka
- 3H6-44** Synthetic studies on dysibetaine Cpb (Grad. Sch. Nanobioscience, Yokohama City Univ.) TANAKA, Kento; ISHIKAWA, Yuichi; OIKAWA, Masato
- 3H6-45** Recognition Principle of Interaction between Transmembrane Model Peptides and Ladder shaped polycyclic ethers (LSPs) (Grad. Sch. Sci., The Univ. of Tokyo) KURIYAMA, Haruki; YAMADA, Kazuya; HARA, Toshiaki; MURATA, Michio; FUKUZAWA, Seketsu; TACHIBANA, Kazuo
- 3H6-46** Synthesis of Caspase-3 Inhibitors using α -Amino Squaric Acid (Grad. Sch. Sci., Osaka City Univ.) MAEDA, Kentaro; OHFUNE, Yasufumi; SHINADA, Tetsuro
- 3H6-47** Synthetic Study of Cirratiomycin A (Grad. Sch. Sci., Osaka City Univ.) NISHIMURA, Akito; YASUNO, Yoko; SHINADA, Tetsuro

Chair: SHINADA, Tetsuro (17 : 00~18 : 00)

- * 16:50-17:00: interval for laptop PC connection.(3H6-49, 3H6-50, 3H6-51, 3H6-52, 3H6-53, 3H6-54)
- 3H6-49** Synthetic study of bisbromoamides (Grad. Sch. Sci. Tech., Keio Univ.) NAGAMATSU, Yumi; SHIMIZU, Yuto; TODOROKI, Seizi; WATANABE, Atsushi; SUENAGA, Kiyotake
- 3H6-50** Synthetic Study on Miuraenamide A, an Antimicrobial Depsipeptide (Grad. Sch. Sci. Tech., Keio Univ.) YASUI, Ayano; TOHYAMA, Koh; TOKUZUMI, Keita; ITO, Kayoko; TORIIHARA, Eisuke; SUENAGA, Kiyotake
- 3H6-51** Synthetic study of lnyngbyacyclamides A and B, a cyclic dodecapeptide (Fac. Sci., Kanagawa Univ.) HORIKOSHI, Miho; NARASAKI, Yui; MASUDA, Shun; SUGIYAMA, Kayo; MARU, Norihito; UEMURA, Daisuke
- 3H6-52** Systematic synthesis of D,L-amino acid derivatives bearing thiol at the beta position from glycine as a starting material. (Grad. Sch. Sci., Osaka

- Univ.) OTANI, Keito; MORISHITA, Yasuhito; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro
- 3H6-53** Racemic synthesis of amino acid derivatives having thiol at the beta position. (Grad. Sch. Sci., Osaka Univ.) MORISHITA, Yasuhito; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro
- 3H6-54** Development of a new synthetic method of peptide- α thioester utilizing selective S-cyanylation of Cys residue and hydrazinolysis. (Grad. Sch. Sci., Osaka Univ.) KANEMITSU, Yurie; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro

Sunday, March 30, AM

Chair: OGURI, Hiroki (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(4H6-01, 4H6-02, 4H6-03, 4H6-04, 4H6-05, 4H6-06)
- 4H6-01** Synthetic studies on cylindradine B (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) KAMIJOH, Yuko; IWATA, Makoto; NAGASAWA, Kazuo
- 4H6-02** Searching for Bioactive Alkaloids from Marine Sponge (INCS, Ehime Univ.) KUROKAWA, Yoshihiko; KURAMOTO, Makoto; MORI, Shigeki; UNO, Hidemitsu
- 4H6-03** Synthetic studies of yuzurimine A (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) NIIDA, Keisuke; HAYAKAWA, Ichiro; KIGOSHI, Hideo
- 4H6-04** Synthesis of the tricyclic core of madangamines (Grad. Sch. Sci. Tech., Keio Univ.) YANAGITA, Yuta; MATSUO, Naoya; KUROSU, Yasuhiro; SUTO, Takahiro; SATO, Takaaki; CHIDA, Noritaka
- 4H6-05** Whole-Process One-Pot Synthesis of Ageladine Derivatives (RIKEN Biofunctional Synthetic Chemistry Laboratory; Grad. Sch. Sci., Osaka Univ.) IWATA, Takayuki; FUKASE, Koichi; TANAKA, Katsunori
- 4H6-06** Synthesis and Conformational Properties of 1,5-diazaoctane Derivatives Obtained by [4+4] Cycloaddition of Unsaturated Imines (Grad. Sch. Sci., Osaka Univ.; RIKEN Biofunctional Chemistry Laboratory) MATSUMOTO, Risa; MANABE, Yoshiyuki; TANAKA, Katsunori; FUKASE, Koichi

Chair: SAITOH, Tsuyoshi (10 : 10~10 : 50)

- * 10:00-10:10: interval for laptop PC connection.(4H6-08, 4H6-09, 4H6-10, 4H6-11)
- 4H6-08** Biosynthetic study on antifungal agent zopfiellin (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) MATSU, Yusuke; MINAMI, Atsushi; OIKAWA, Hideaki
- 4H6-09** Biosynthetic study of betaenone (Sch. Sci., Hokkaido Univ.) UGAI, Takahiro; FUJII, Ryuya; MINAMI, Atsushi; GOMI, Katsuya; OIKAWA, Hideaki
- 4H6-10** Synthetic Studies on Prunostatin A (Grad. Sch. Sci., Osaka City Univ.) OGAWA, Hikaru; USUKI, Yoshinosuke; IIO, Hideo
- 4H6-11** Total Synthesis of splenocin B, a potent inhibitor of pro-Inflammatory cytokine production (Grad. Sch. Sci., Osaka City Univ.) IJIRI, Minako; USUKI, Yoshinosuke; IIO, Hideo

Chair: MINAMI, Atsushi (11 : 00~11 : 40)

- * 10:50-11:00: interval for laptop PC connection.(4H6-13, 4H6-14, 4H6-15, 4H6-16)
- 4H6-13** Characterization of PLP-dependent aminotransferase PetV in pactamycin biosynthesis (Grad. Sch. Sci., Eng., Tokyo Tech) HIRAYAMA, Akane; KUDO, Fumitaka; EGUCHI, Tadashi
- 4H6-14** Mutasyntesis of macrolactam antibiotic incednine analogs by feeding of unnatural β -amino acids (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAKU, Ryoma; TAKAISHI, Makoto; KUDO, Fumitaka; EGUCHI, Tadashi
- 4H6-15** Development of Novel Click Chemistry Based on Firefly Bioluminescence (Grad. Sch. Sci. Tech., Keio Univ.) TOYAMA, Tomohisa; SAITOH, Tsuyoshi; NISHIYAMA, Shigeru
- 4H6-16** The modification of Vietnamese lacquer sap by enzymatic polymerization and the analysis of polymerization mechanism (Department of Sci. Tech., Meiji Univ.) ANZAI, Kenichiro; MIYAKOSHI, Tetsuo

Room H7
Liberal Arts & Sciences Main Building
S30

Natural Products Chemistry

Thursday, March 27, AM

Chair: KITA, Masaki (9 : 00 ~10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(1H7-01, 1H7-02, 1H7-03, 1H7-04, 1H7-05, 1H7-06)
- 1H7-01** Synthetic Study of Andrastin C (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) YUICHI, Ishioka; TAKUMASA, Yamada; FUMIHIKO, Yoshimura; KEIJI, Tanino
- 1H7-02** Synthetic Studies on 2-Deoxytaxine B Derivatives (Grad. Sch. Chi

- Sci. and Eng., Hokkaido Univ.) HANADA, Ryosuke; TANINO, Keiji
1H7-03 Synthetic studies on Tubiferal A (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) HIRAMATSU, Takahiro; TANINO, Keiji
1H7-04 Construction of All-Carbon Quaternary Stereocenters by Barbier-Type Allylation (Fac. Sci. Tech., Keio Univ.) SAKAMA, Akihiro; YOSHIDA, Keisuke; TADANO, Kin-ichi; TAKAO, Ken-ichi
1H7-05 Synthetic Studies of Zeylanidine (Fac. Sci. Tech., Keio Univ.) YASUDA, Naohiko; YOSHIDA, Keisuke; TADANO, Kin-ichi; TAKAO, Ken-ichi
1H7-06 Synthetic Studies of Perforatumone Using Asymmetric Claisen Rearrangement (Fac. Sci. Tech., Keio Univ.) AKIYA, Takashi; ONOZAWA, Hayato; YOSHIDA, Keisuke; TADANO, Kin-ichi; TAKAO, Ken-ichi

Chair: YOSHIMURA, Fumihiko (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(1H7-08, 1H7-10, 1H7-11, 1H7-12, 1H7-13)
1H7-08[#] Cyclase Phase of Steroids via a Convergent and Divergent Approach (The Scripps Research Institute department of chemistry) DAO, Hai; BARAN, Phil
1H7-10 Synthetic Study of Integrifolin Based on Tungsten-catalyzed Tandem Cyclization of Acyclic Trienyne (Grad. Sch. Sci., Eng., Tokyo Tech) SHIMOMAKI, Katsuya; IWASAWA, Nobuharu; KUSAMA, Hiroyuki; AZUMA, Yuka
1H7-11 Synthetic study of englerin A based on stereoselective [4 + 3] cycloaddition (Fac. Pharm., Keio Univ.) HAGIHARA, Shuichi; HANAYA, Kengo; SUGAI, Takeshi; SHOJI, Mitsuru
1H7-12 Synthetic study of arisugacin A based on diastereoselective domino cyclization (Fac. Pharm., Keio Univ.) ASAMI, Kento; HANAYA, Kengo; SUGAI, Takeshi; SHOJI, Mitsuru
1H7-13 Development of Asymmetric Synthetic Route to 6-Aza-artemisinin (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) SUZUKI, Shun; HIRUMA, Takahisa; MIZOGUCHI, Haruki; OCHIAI, Kyohei; OGURI, Hiroki; OIKAWA, Hideaki

Chair: YOSHIDA, Keisuke (11 : 20~12 : 10)

- * 11:10-11:20: interval for laptop PC connection.(1H7-15, 1H7-16, 1H7-17, 1H7-18)
1H7-15 Annelation reaction of zerumbone via Favorskii rearrangement (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) FUKUSHIMA, Miyuki; TAKAHASHI, Issei; IFUKU, Masashi; KAWAI, Yasushi; KITAYAMA, Takashi
1H7-16 Reactivity of allene-zerumbone with a medium cyclic structure (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) TATSUMI, Hiroaki; KAMEO, Masaki; HIGASINO, Masaaki; HAGIWARA, Toshiharu; KITAYAMA, Takashi
1H7-17 A marine natural product that inhibits fat cell differentiation (Fac. Sci., Kanagawa Univ.) YAMAMOTO, Keita; MARU, Norihito; KAWAZOE, Yoshinori; UEMURA, Daisuke
1H7-18[#] Isolation and Structure Analysis of Novel Secondary Metabolites from Marine Invertebrates (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KAWAMURA, Atsushi; KITA, Masaki; KIGOSHI, Hideo

Friday, March 28, AM

Chair: EBINE, Makoto (9 : 00 ~ 10 : 00)

- * 8:50-9:00: interval for laptop PC connection.(2H7-01, 2H7-02, 2H7-03, 2H7-05, 2H7-06)
2H7-01 Total Synthesis of Sarcophytonolide F (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) NAKAO, Eiji; TAKAMURA, Hiroyoshi; KADOTA, Isao
2H7-02 Synthetic Study of Scabrolide F (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MORISHITA, Ryohei; TAKAMURA, Hiroyoshi; KADOTA, Isao
2H7-03[#] Establishment of the Methodology to Functionalize Cage-Shaped Structure of Physalins Utilizing Site-Selective C-H Insertion Reaction (RIKEN; Grad. Sch. Sci., Kyoto Univ.; Tokyo Med. and Dental Univ.; ERATO-JST) MORITA, Masaki; KOJIMA, Shuntaro; HIRAI, Go; SODEOKA, Mikiko
2H7-05 Synthesis of cage-shaped DEFGH-ring molecules of physalins with hydrophobic substituents (RIKEN; Tokyo Med. and Dental Univ.; Grad. Sch. Sci., Kyoto Univ.; ERATO-JST) KOJIMA, Shuntaro; MORITA, Masaki; HIRAI, Go; SODEOKA, Mikiko
2H7-06 Synthesis of Isoprenoids as Immune Activators via TLR4/MD-2 (Grad. Sch. Sci., Osaka Univ.) MIZOTE, Keisuke; SAEKI, Akinori; HONDA, Hiroe; OKAMOTO, Naoki; KIMURA, Takahito; NAGAI, Yoshinori; TAKATSU, Kiyoshi; FUJIMOTO, Yukari; FUKASE, Koichi

Chair: HIRAI, Go (10 : 10~11 : 10)

- * 10:00-10:10: interval for laptop PC connection.(2H7-08, 2H7-10, 2H7-11, 2H7-12, 2H7-13)
2H7-08^{*} Synthetic studies on azadirachtin (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) SAKURAI, Kentaro; NAKAGAWA, Daisuke; OOSAKA, Shuuhei; MIYASHITA, Masaaki; TANINO, Keiji
2H7-10 Synthetic Studies of Psigualial B, a Hybrid Natural Product (Grad.

- Sch. Chi Sci. and Eng., Hokkaido Univ.) KINEBUCHI, Masahiko; UEMASTU, Ryohei; TANINO, Keiji
2H7-11 Studies on total synthesis of dehydrothysiferol and its congeners (Grad. Sch. Sci., Osaka City Univ.) NAKAI, Haruka; HOSHINO, Akihiro; MORINO, Miyako; KANBARA, Hitomi; KODAMA, Takeshi; TAKI, Naoto; NISHIKAWA, Keisuke; TACHI, Yoshimitsu; MORIMOTO, Yoshiaki
2H7-12 Synthetic studies on stronglyphosphorine analogs (Grad. Sch. Nanobioscience, Yokohama City Univ.) UCHIYAMA, Daiki; ISHIKAWA, Yuichi; OIKAWA, Masato
2H7-13 Research on Efficient Total Synthesis of *ent*-Kauranes (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) FUJII, Tomohiro; NAKADA, Masahisa

Chair: TAKAMURA, Hiroyoshi (11 : 20~12 : 20)

- * 11:10-11:20: interval for laptop PC connection.(2H7-15, 2H7-17, 2H7-18, 2H7-19, 2H7-20)
2H7-15^{*} Stereoselective Total Synthesis of Triumphalone (Grad. Sch. Sci., Osaka City Univ.) NISHIMURA, Eiji; OHFUNE, Yasufumi; SHINADA, Tetsuro
2H7-17 Synthetic Study of C₁₀₀ isoprenoid (Grad. Sch. Sci., Osaka City Univ.) TOTSUKA, Yusuke; UEDA, Shota; SHINADA, Tetsuro
2H7-18 Synthesis of peridin and fucoxanthin derivatives and their unique energy level responsible for photosynthesis (Grad. Sch. Sci., Osaka City Univ.; Sch. Sci. Tech., Kwansei Gakuin Univ.; OCARINA; Univ. of Connecticut, Department of Chemistry) KAJIKAWA, Tayayuki; YANO, Kouki; KOSUMI, Daisuke; HASHIMOTO, Hideki; FRANK, Harry a.; SAKAGUCHI, Kazuhiko; KINASHI, Naoto; SHINADA, Tetsuro; KATSUMURA, Shigeo
2H7-19 Synthetic study of sphaeropsidin (Grad. Sch. Sci., Kobe Univ.) TSUTSUMI, Tomoaki; MATSUBARA, Ryosuke
2H7-20 Synthetic Studies on Aconitine (Fac. Sci. Tech., Keio Univ.) ADACHI, Satoshi; SATO, Tomoharu; ABE, Masayoshi; SATO, Ryota; SAIKAWA, Yoko; NAKATA, Masaya

Friday, March 28, PM

Chair: FUKUZAWA, Seketsu (13 : 30~14 : 30)

- * 13:20-13:30: interval for laptop PC connection.(2H7-28, 2H7-29, 2H7-30, 2H7-31, 2H7-32, 2H7-33)
2H7-28 Development of selective Diels-Alder reaction for efficient synthesis of spiroimine ring unit of spiroide C (Grad. Sch. Sci., Osaka Univ.) HAYASHI, Syo; TSUCHIKAWA, Hiroshi; MATSUMORI, Nobuaki; MURATA, Michio
2H7-29 Design and synthesis of truncated analogs of amphidinol 3 (Fac. Sci., Kyushu Univ.) EBINE, Makoto; UEMEDA, Aya; OISHI, Tohru
2H7-30 Synthetic study of the C1-C20 part of amphidinol 3 (Grad. Sch. Sci., Kyushu Univ.) TSURUDA, Takeshi; EBINE, Makoto; OISHI, Tohru
2H7-31 Synthesis of C-G rings of Kosinostatin (KIT Graduate School of Engineering) FUKUZUMI, Noriyuki; MATSUZAKI, Hiroki; MATSUURA, Taisuke; ARAKI, Keiichi; OKAUCHI, Tatsuo; KITAMURA, Mitsuru
2H7-32 Synthetic study of Dysispherbaine featuring formal [3+2] cycloaddition of *aldehyde*-aldose derivative and β -substituted allylsilane as the key step (Coll. Sci. Eng., Aoyama Gakuin Univ.) OHNUMA, Asami; KUSAKABE, Kosuke; TANAKA, Aki; YAMADA, Takeshi; SUGIMURA, Hideyuki
2H7-33 Synthetic study and structural revision of antitumor antibiotic pleospidione (Grad. Sch. Sci., Eng., Tokyo Tech) ISHIKAWA, Yui; TAKIKAWA, Hiroshi; SUZUKI, Keisuke

Chair: FUJIWARA, Kenshu (14 : 40~15 : 40)

- * 14:30-14:40: interval for laptop PC connection.(2H7-35, 2H7-36, 2H7-37, 2H7-38, 2H7-40)
2H7-35[#] Molecular Target of Ladder Shaped-Polyether Yessotoxin (Grad. Sch. Sci., Osaka Univ.) KURNIATI, Dian; MATSUMORI, Nobuaki; USUI, Takeo; SATAKE, Masayuki; TACHIBANA, Kazuo; MURATA, Michio
2H7-36 Practical synthesis of glaziovianin A and its analogues (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHIODA, Shuuya; HAYAKAWA, Ichiro; KIGOSHI, Hideo
2H7-37 Synthesis of an ellagitannin component, tetrahydroxydibenzofuranoyl group (Sch. Sci. Tech., Kwansei Gakuin Univ.) KUME, Yui; HIROKANE, Tsukasa; YAMADA, Hidetoshi
2H7-38^{*} Design, synthesis and biological evaluation of 24-fluorinated bafilomycin derivative toward elucidating the inhibition mechanism of Vacuolar ATPase (Grad. Sch. Sci., Osaka Univ.; JST ERATO; Grad. Sch. Life and Env. Sci., Univ. of Tsukuba) SHIBATA, Hajime; TSUCHIKAWA, Hiroshi; MATSUMORI, Nobuaki; MURATA, Michio; USUI, Takeo
2H7-40 Design and Synthesis of A Simplified Ladder Shaped Polyether for the Analysis of the Interaction with Transmembrane Proteins (Grad. Sch. Sci., The Univ. of Tokyo) YAJIMA, Takaaki; HARADA, Ichitaro; FUKUZAWA, Seketsu; TACHIBANA, Kazuo

Chair: MATSUMORI, Nobuaki (15 : 50~16 : 40)

- * 15:40-15:50: interval for laptop PC connection.(2H7-42, 2H7-43, 2H7-44, 2H7-45, 2H7-46)
2H7-42 Synthetic Studies on the ABCDEF-Ring of Ciguatoxin-3C (Grad. Sch. Sci., Hokkaido Univ.; Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.)

FUJIWARA, Kenshu; SATO, Takuto; NOMURA, Yoshitaka; KATOONO, Ryo; SUZUKI, Takanori

2H7-43 Studies toward Improved Synthesis of the IJKLM-Ring of Ciguatoxin-3C (Fac. Sci., Hokkaido Univ.; Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) FUJIWARA, Kenshu; SANO, Yusuke; SATO, Takuto; SAITO, Takafumi; KATOONO, Ryo; SUZUKI, Takanori

2H7-44 Synthesis of HIJKLM Ring Segment of Ciguatoxin CTX3C (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) HARA, Shoki; TAKAMURA, Hiroyoshi; KADOTA, Isao

2H7-45 Syntheses of the ABCDE and EFGH Ring Segments of Ciguatoxin CTX3C (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SHIROMA, Kengo; ASAKURA, Hiroki; INUI, Ritsuo; TANAKA, Tokihiro; TAKAMURA, Hiroyoshi; KADOTA, Isao

2H7-46 Synthetic Studies on 30-Demethylgambieric Acid A (Grad. Sch. Life Sci., Tohoku Univ.) FUKAZAWA, Ryo; FUWA, Haruhiko; SASAKI, Makoto

Chair: FUWA, Haruhiko (16 : 50~17 : 30)

* 16:40-16:50: interval for laptop PC connection.(2H7-48, 2H7-49, 2H7-50)

2H7-48 Synthetic Study of the LMNO Ring System of Maitotoxin (Grad. Sch. Sci., Kyushu Univ.) ISHIKAWA, Erina; TORIKAI, Kohji; EBINE, Makoto; OISHI, Toru

2H7-49 Synthesis and Biological Activities of the QRS and C' D' E' F' Ring System of Maitotoxin (Grad. Sch. Sci., Kyushu Univ.) ONOUE, Hisaaki; KUNITAKE, Masahiro; BABA, Tomomi; TORIKAI, Kohji; EBINE, Makoto; KONOKI, Keichi; MURATA, Michio; OISHI, Toru

2H7-50* Total Synthesis of Tamulamide A (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) KISHI, Takayuki; HARA, Shoki; YAMAGAMI, Yuji; FUJISAWA, Yuka; TAKAMURA, Hiroyoshi; KADOTA, Isao

Saturday, March 29, AM

Chair: ANDO, Yoshio (9 : 00 ~ 10 : 00)

* 8:50-9:00: interval for laptop PC connection.(3H7-01, 3H7-02, 3H7-03, 3H7-04, 3H7-05, 3H7-06)

3H7-01 Studies of improved method for synthesis of marine cytotoxic macrolides heteromalides and biselides (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KIMURA, Kizuku; SHIMANUKI, Mami; HAYAKAWA, Ichiro; KIGOSHI, Hideo

3H7-02 Total synthesis of biselide A (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SHIMANUKI, Mami; FUNAKUBO, Shota; YAMADA, Takuya; KIMURA, Kizuku; SATOH, Yohsuke; HAYAKAWA, Ichiro; KIGOSHI, Hideo

3H7-03 Research on the Enantioselective Total Synthesis of PPAPs-1 (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) UETAKE, Yuta; ENDO, Yuya; NAKADA, Masahisa

3H7-04 Research on the Enantioselective Total Synthesis of PPAPs-2 (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ENDO, Yuya; UETAKE, Yuta; NAKADA, Masahisa

3H7-05 Stereoselective Synthesis of Maresin (Grad. Sch. Biosci. Biotech., Tokyo Tech) OGAWA, Narihito; TOJO, Toshifumi; KOBAYASHI, Yuichi

3H7-06 Synthesis of Phenylpropanoids in *Coreopsis lanceolata* L. Petals with β -Ketophosphonates and Their Physiological Activities (Fac. Eng., Kinki Univ.) OKADA, Yoshiharu; KANDORI, Naomi; NOMURA, Masato

Chair: HAYAKAWA, Ichiro (10 : 10~11 : 10)

* 10:00-10:10: interval for laptop PC connection.(3H7-08, 3H7-09, 3H7-10, 3H7-11, 3H7-13)

3H7-08 Asymmetric Total Synthesis of Astakolactin and Its Structural Revision (Fac. Sci., Tokyo Univ. of Sci.) TONOI, Takayuki; FUJISHIRO, Moe; YOSHINAGA, Yutaka; SHIINA, Isamu

3H7-09 Asymmetric Total Synthesis of (16Z,20E)-Eushearilide (Fac. Sci., Tokyo Univ. of Sci.) TONOI, Takayuki; KAWAHARA, Ryo; TANAKA, Anna; SHIINA, Isamu

3H7-10 A Novel C-Prenylation of Xanthenes by Utilizing Oxy-Cope Rearrangement (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.) ITO, Yumina; FUJIMOTO, Yuuki; YANAI, Hikaru; MATSUMOTO, Takashi

3H7-11* Development of photoredox reaction of substituted naphthoquinones (Grad. Sch. Sci., Eng., Tokyo Tech; Sch. Pharm., TUPLS) ANDO, Yoshio; MATSUMOTO, Takashi; SUZUKI, Keisuke

3H7-13 Total synthesis of spiroxin C by using photoredox reaction. (Grad. Sch. Sci., Eng., Tokyo Tech) HANAKI, Atsuko; ANDO, Yoshio; OHMORI, Ken; SUZUKI, Keisuke

Chair: OGAWA, Narihito (11 : 20~12 : 20)

* 11:10-11:20: interval for laptop PC connection.(3H7-15, 3H7-16, 3H7-17, 3H7-18, 3H7-19, 3H7-20)

3H7-15 Synthetic Studies of 6-Epipseudomajucinone (Fac. Sci., Tokyo Univ. of Sci.) KUBOKI, Teppi; SUWA, Yuki; MURATA, Takatsugu; SHIINA, Isamu

3H7-16 Asymmetric Total Synthesis of Coprophilin by the Computer-assisted Predictive Stereoselective Intramolecular Diels-Alder (CAPS-IMDA) reaction (Fac. Sci., Tokyo Univ. of Sci.) EGASHIRA, Naoki; TAKANO, Atsuhiko; SHIINA, Isamu

3H7-17 Dithiol-mediated synthesis of dibenzobicyclo[3.2.1]octadienone skele-

ton. (Grad. Sch. Sci., Eng., Tokyo Tech) FUKAZAWA, Takumi; ANDO, Yoshio; OHMORI, Ken; SUZUKI, Keisuke

3H7-18 An Efficient Method for Enantioselective Synthesis of Substituted Dibenzocyclooctadiene Derivatives (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.) INOUE, Asami; YAMAGUCHI, Satoru; YANAI, Hikaru; MATSUMOTO, Takashi

3H7-19 Synthetic Study on Danicalipin A Derivatives (Grad. Sch. Env. Sci., Hokkaido Univ.) MAEDA, Takeshi; UMEZAWA, Taiki; MATSUDA, Fuyuhiko

3H7-20 Synthetic study of laurenidificin, a member of the brominated C₁₅-acetogenin isolated from red alga *Laurencia* species. (Fac. Eng., OIT) YOKOI, Taiki; INOUE, Tomoharu; MASUYAMA, Araki; KOBAYASHI, Shoji

Saturday, March 29, PM

Chair: INUZUKA, Toshiyasu (13 : 30~14 : 30)

* 13:20-13:30: interval for laptop PC connection.(3H7-28, 3H7-29, 3H7-31, 3H7-32, 3H7-33)

3H7-28 Synthesis and Biological Evaluation of Truncated Gambierol Analogues Having a Photoaffinity Labeling Group (Grad. Sch. Life Sci., Tohoku Univ.; Grad. Sch. Agric. Sci., Tohoku Univ.) HIROTA, Kazuaki; SUGA, Yuto; KONOKI, Keichi; YOTSU-YAMASHITA, Mari; FUWA, Haruhiko; SASAKI, Makoto

3H7-29* Inter molecular distance based structural analysis of ion channel assembly formed by amphotericin B in lipid bilayer (Grad. Sch. Sci., Osaka Univ.) NAKAGAWA, Yasuo; UMEGAWA, Yuichi; TSUCHIKAWA, Hiroshi; MATSUMORI, Nobuaki; MURATA, Michio

3H7-31 Structural study on new water-soluble toxins from the red tide dinoflagellate *Karenia brevisulcata* in New Zealand (Grad. Sch. Sci., The Univ. of Tokyo; Cawthron Institute) SUZUKI, Rina; SATAKE, Masayuki; TACHIBANA, Kazuo; HARWOOD, Tim; HOLLAND, Patrick; BEUZENBERG, Veronica; SHI, Feng

3H7-32 Isolation and structural analysis of new polycyclic ether toxins from the red tide dinoflagellate *Karenia brevisulcata* in New Zealand (Grad. Sch. Sci., The Univ. of Tokyo; Cawthron Institute) IRIE, Raku; SATAKE, Masayuki; TACHIBANA, Kazuo; HARWOOD, Tim; HOLLAND, Patrick

3H7-33 Antibacterial and antifungal effects of Igusa extract (Shabondama Soap Co., Ltd. Research and Development Department) KANYAMA, Takahide; KAWAHARA, Takayoshi; ERA, Mariko; MORITA, Hiroshi

Chair: TSUCHIKAWA, Hiroshi (14 : 40~15 : 40)

* 14:30-14:40: interval for laptop PC connection.(3H7-35, 3H7-37, 3H7-38, 3H7-39, 3H7-40)

3H7-35* Facile total synthesis of 16-membered macrolide (-)-A26771B (Fac. of Eng., Okayama Univ. of Sci.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.) NOKAMI, Junzo; MIZUTANI, Yusuke; WANG, Ning; INOKUCHI, Tsutomu

3H7-37 Studies Toward the Total Synthesis of Amphidinolide N (Grad. Sch. Life Sci., Tohoku Univ.) KAWASHIMA, Yuki; TOYOSHIMA, Atsushi; FUWA, Haruhiko; SASAKI, Makoto

3H7-38 Synthetic Studies on Reidispongolide A (Grad. Sch. Sci. Tech., Keio Univ.) FUKASAWA, Eigo; SUZUKI, Kazusi; AKIYAMA, Satoshi; TORIIHARA, Eisuke

3H7-39 Synthetic Study on Alexandrolide, an Antidiatom, for Elucidation of Total Structure (Grad. Sch. Sci., The Univ. of Tokyo) MIZUKAMI, Atsushi; SATAKE, Masayuki; TACHIBANA, Kazuo; HARWOOD, Tim; OHTANI, Naohito

3H7-40 Z-selective intramolecular Horner-Wadsworth-Emmons reaction for the synthesis of macrocyclic lactones (Fac. Eng., Gifu Univ.) SAKAI, Kenta; EGUCHI, Yuma; ANDO, Kaori

Chair: UMEZAWA, Taiki (15 : 50~16 : 50)

* 15:40-15:50: interval for laptop PC connection.(3H7-42, 3H7-43, 3H7-44, 3H7-45, 3H7-47)

3H7-42 Stereodivergent Synthesis of the C₉₄-C₁₀₄ Fragment of Symbiodinolide (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Fac. Sci., Kanagawa Univ.) KAWAKUBO, Yohei; FUJIWARA, Takayuki; TAKAMURA, Hiroyoshi; KADOTA, Isao; UEMURA, Daisuke

3H7-43 Stereodivergent Synthesis of the C₁-C₁₃ Fragment of Symbiodinolide (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Fac. Sci., Kanagawa Univ.) OGINO, Mao; WADA, Hiroko; TAKAMURA, Hiroyoshi; KADOTA, Isao; UEMURA, Daisuke

3H7-44 First total synthesis of biselyngbyolide A and B (Grad. Sch. Sci. Tech., Keio Univ.) SATO, Eisuke; TANABE, Yurika; NMKAJIMA, Naoya; OKUBO, Tetsushi; SUENAGA, Kiyotake

3H7-45* Synthetic study on antibiotic naphthospirozone A (Grad. Sch. Sci., Eng., Tokyo Tech) SAKATA, Juri; ANDO, Yoshio; OMORI, Ken; SUZUKI, Keisuke

3H7-47 Studies toward the Total Synthesis of Iriomoteolide-2a (Grad. Sch. Life Sci., Tohoku Univ.) HAKAMATA, Akihiro; FUWA, Haruhiko; SASAKI, Makoto

Chair: OHNO, Osamu (17 : 00~18 : 00)

* 16:50-17:00: interval for laptop PC connection.(3H7-49, 3H7-50, 3H7-51,

Room P Gymnasium

Thursday, March 27, AM

(10 : 00 ~ 11 : 30)

Physical Chemistry -Structure- IR/Raman spectroscopy

- 1PA-001** Measurement of surface-enhanced Raman scattering (SERS) and surface-enhanced hyper-Raman scattering (SEHRS) using optical trapping (Sch. Sci. Tech., Kwansai Gakuin Univ.) HAYASHI, Hiroaki; KITAHAMA, Yasutaka; ITOH, Tamitake; OZAKI, Yukihiko
- 1PA-002** The Theoretical Estimation of the H₂O Hydrogen Bond Existence Effect to the Hydrophobic Multimer Formation of Ethanol and 1-Butanol (Waseda Junior and Senior High School) SAITOH, Toshikazu
- 1PA-003** Low-temperature matrix infrared and quantum chemical studies of the structure and properties of methylnitrite-hydrogen halide complexes (Fac. Eng., Iwate Univ.) SUZUKI, Eiichi; SUGIMOTO, Shinpei; TAKATSU, Takanori; YASHIRO, Hitoshi

Electronic spectrum

- 1PA-004** Substituent Effects on UV absorption and Fluorescence spectra of Methylpyridinimine Derivatives (Sch. Eng., Tokyo Denki Univ.) IWASAKI, Naoya; SUZUKI, Takayuki

Magnetic resonance

- 1PA-005** Investigation of C-C distance analysis using solid-state 2D exchange NMR (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) OHASHI, Ryutaro; TAKIZAWA, Naoki; IDA, Tomonori; MIZUNO, Motohiro
- 1PA-006** Solid-state nuclear magnetic resonance properties of lithium cation endohedral metallofullerene (RACGM, Tohoku Univ.) KWON, Eunsang; YOSHIDA, Shin-ichiro; KOMATSU, Ken-ichiro; KAWACHI, Kazuhiko; KASAMA, Yasuhiko; ENDO, Tomoaki
- 1PA-007** Electron localization of ϵ -Keggin polyoxomolybdates studied by solid state ⁹⁵Mo NMR and DFT calculation (Yamagata Univ. Institute of Arts and Sciences) IJIMA, Takahiro; YAMASE, Toshihiro; TANSHO, Masataka; SHIMIZU, Tadashi; NISHIMURA, Katsuyuki
- 1PA-008** Molecular orientation and dynamics of nitronyl nitroxide radicals in CLPOT 1D nanochannels studied by ESR (Coll. Hum. Sci., Nihon Univ.) KOBAYASHI, Hirokazu; FUJIMORI, Etsuko; MORINAGA, Yuka; ASAJI, Tetsuo
- 1PA-009** Manipulation of electron and nuclear spins in isotope-labeled electron-bus qubit systems (Grad. Sch. Sci., Osaka City Univ.) TANAKA, Ayaka; SATO, Kazunobu; YOSHINO, Tomohiro; NISHIDA, Shinsuke; NAKAZAWA, Shigeaki; RAHIMI, Robabeh; TOYOTA, Kazuo; SHIOMI, Daisuke; MORITA, Yasushi; KITAGAWA, Masahiro; TAKUI, Takeji

Crystal structure

- 1PA-010** Withdrawn
- 1PA-011** The absolute structure and the optical activity of amino acid crystals with 21 screw axis (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ISHIKAWA, Kazuhiko; TANAKA, Masahito; SHIRO, Motoo; ASAH, Toru

Solid Surface

- 1PA-012** DFT calculations on surface structure of rutile titania (NRI, AIST) ORITA, Hideo; KUBO, Toshitaka
- 1PA-013** STM and STS observation of TiO₂/Au(111) surface (Univ. of Tsukuba College of Engineering Science) KOSAKA, Yoshinori; MORITO, Yujiro; FUJITANI, Tadashi; KONDO, Takahiro; NAKAMURA, Junji
- 1PA-014*** Active site study on nitrogen doped graphite by edge-density controlled model catalyst (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) GUO, Donghui; AKIBA, Chisato; KAWARAI, Keiichi; KONDO, Takahiro; NAKAMURA, Junji
- 1PA-015** Localized electronic states and adsorption properties of molecules on graphite surfaces. (Sch. Sci. Eng., Univ. of Tsukuba) OGAWA, Tetsuya; SHIBUYA, Riku; SAKURAI, Masataka; KONDO, Takahiro; NAKAMURA, Junji
- 1PA-016** Formate synthesis on Cu surfaces using supersonic CO₂ and H₂ mixture jet (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) AMAHA, Yuuka; OYAMA, Takahiro; KONDO, Takahiro; NAKAMURA, Junji
- 1PA-017** iGC - A new instrument for characterising the physicochemical properties of polymers (East Core Ltd.) TOJO, Morio; YUTARO, Tamara; HAYASHI, Kazuo; ATTWOOL, Philip

3H7-52, 3H7-53, 3H7-54)

- 3H7-49** Structural elucidation of the novel polyol compounds which have diverse length of long carbon-chain produced by the dinoflagellate *Amphidinium* sp. (Life Science Research Center, Gifu Univ.; Fac. Sci., Kanagawa Univ.) INUZUKA, Toshiyasu; YAMADA, Kaoru; UEMURA, Daisuke
- 3H7-50** Isolation and structure identification of a biosynthetic intermediate of cyanidin 3-glucoside from seed coat of black soybean (Nagoya Univ. Grad. Sch. Information Sci.) HAYASHI, Emi; KONDO, Tadao; YOSHIDA, Kumi
- 3H7-51** Chemical studies on Nemophilin, a metalloanthocyanin from blue petal of *Nemophila menziesii* (Nagoya Univ. Grad.Sch.Info.Sci) TOUJYOU, Kensuke; KITAHARA, Sayoko; YAMASHITA, Keiko; MORI, Mihoko; YOSHIDA, Kumi
- 3H7-52** Synthesis of 3-O-Methylflavones and Anthocyanidins, their Application for Dye-sensitized Solar Cells (Grad. Sch. Info. Sci., Nagoya Univ.) KIMURA, Yuki; OYAMA, Kin-ichi; KONDO, Tadao; UCHIDA, Satoshi; WAKAMIYA, Atsushi; YOSHIDA, Kumi
- 3H7-53** The Search for Enzymes in the Biosynthesis of Marine Ladder-shaped Polycyclic Ethers (Grad. Sch. Sci., The Univ. of Tokyo; Cawthron Institute) TAKIMOTO, Yuki; SHIRAI, Tomohiro; KURANAGA, Takefumi; GENJI, Takahisa; HARWOOD, Tim; SATAKE, Masayuki; TACHIBANA, Kazuo
- 3H7-54** The search for an epoxide-opening enzyme of ladder-shaped polyethers in dinoflagellates (Grad. Sch. Sci., The Univ. of Tokyo) NAGANUMA, Daisuke; TAKIMOTO, Yuki; MATOBA, Hiroaki; SATAKE, Masayuki; TACHIBANA, Kazuo

Sunday, March 30, AM

Chair: UMEZAWA, Taiki (9 : 00 ~ 9 : 50)

- * 8:50-9:00: interval for laptop PC connection.(4H7-01, 4H7-02, 4H7-03, 4H7-04)
- 4H7-01** Synthetic study of optically active podophillic aldehyde using highly enantioselective synthesis of tetra-substituted cyclopropane and its chirality transfer ring-expansion (Grad. Sch. Sci. Technol., Shinshu Univ.) ITO, Junki; NISHII, Yoshinori
- 4H7-02** Synthetic study of antibiotic tetracenomycin C (1): sequential cycloaddition of benzyne en route to key functionalized naphthonitrile oxide (Grad. Sch. Sci., Eng., Tokyo Tech) SATO, Shogo; HASHIMOTO, Yoshimitsu; TAKIKAWA, Hiroshi; SUZUKI, Keisuke
- 4H7-03** Synthetic study of antibiotic tetracenomycin C (2) : CD ring construction via acyl-alkylation of benzyne (Grad. Sch. Sci., Eng., Tokyo Tech) NISHII, Arata; TAKIKAWA, Hiroshi; SUZUKI, Keisuke
- 4H7-04*** Total synthesis of rugosin A and synthetic study of laevigatin A (Sch. Sci. Tech., Kwansai Gakuin Univ.) HIROKANE, Tsukasa; HIRATA, Yasuaki; ISHIMOTO, Takayuki; YAMADA, Hidetoshi

Chair: FUJIWARA, Kenshu (10 : 00 ~ 10 : 50)

- * 9:50-10:00: interval for laptop PC connection.(4H7-07, 4H7-08, 4H7-09, 4H7-11)
- 4H7-07** Studies on the Synthesis of Spirolide D, an Acetylcholine Receptor Antagonist -Construction of the BCD Ring System through a Transannular Reaction- (Grad. Sch. Pharm. Sci., Nagoya City Univ.; Grad. Sch. Pharm., Hokkaido Univ.) TOITA, Akinori; IGARI, Toshihiro; YAMAKOSHI, Hiroyuki; HASHIMOTO, Shunichi; NAKAMURA, Seiichi
- 4H7-08** Synthetic Study of (-)-Dactylolide (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) TANAKA, Tokihiro; MURAI, Yuto; TAKAMURA, Hiroyoshi; KADOTA, Isao
- 4H7-09*** Studies on the stereocontrolled synthesis of gambirins, chalcon-flavan condensed dimer (Grad. Sch. Sci., Eng., Tokyo Tech) WATANABE, Gen; OHMORI, Ken; SUZUKI, Keisuke
- 4H7-11** Synthetic study on isoflavans based on 1,2-rearrangement strategy (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAMURA, Kayo; OHMORI, Ken; SUZUKI, Keisuke

Chair: TAKAMURA, Hiroyoshi (11 : 00 ~ 11 : 50)

- * 10:50-11:00: interval for laptop PC connection.(4H7-13, 4H7-14, 4H7-15, 4H7-16, 4H7-17)
- 4H7-13** Synthesis of Ganbajunines-D, -E, and Proposed Structure of Thlephantin-D (Fac. Sci., Hokkaido Univ.; Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.; Aomori Univ. of Health and Welfare) FUJIWARA, Kenshu; KUSHIBE, Keisuke; SATO, Takuto; NORIKURA, Toshiro; KATOONO, Ryo; SUZUKI, Takanori; MATSUE, Hajime
- 4H7-14** Studies toward the Total Synthesis of Lyngbyaloid B (Grad. Sch. Life Sci., Tohoku Univ.) OKUAKI, Yuta; FUWA, Haruhiko; SASAKI, Makoto
- 4H7-15** Total Synthesis of Dioscorealide A (Grad. Sch. Sci. Tech., Keio Univ.) NAKAMURA, Shigehiro; ADACHI, Satoshi; NISHIMOTO, Chiaki; UCHIDA, Akiko; MASUKO, Sayaka; FUNATSU, Hirofumi; SAIKAWA, Yoko; NAKATA, Masaya
- 4H7-16** Asymmetric dihydroxylation for quinone derivatives (Fac. Sci. Tech., Keio Univ.) SAITO, Kohei; NAKAMURA, Shigehiro; KANATA, Kei; SAIKAWA, Yoko; NAKATA, Masaya
- 4H7-17** Synthesis of Deuterium-labelled Amphotericin B Derivatives and Orientation Analysis using Solid-State NMR (Grad. Sch. Sci., Osaka Univ.) YAMAMOTO, Tomoya; UMEGAWA, Yuichi; TSUCHIKAWA, Hiroshi; HANASHIMA, Shinya; MATSUMORI, Nobuaki; MURATA, Michio

Physical Chemistry -Properties-

- 1PA-019** Structural and Physical Properties of Molecular Conductors Derived from Fused TTF-DT and TTF donors with a Dithiane Ring (Grad. Sch. Mat. Sci., Univ. of Hyogo) HACHIKEN, Yuto; AKUTSU, Hiroki; NAKATSUJI, Shin'ichi; YAMADA, Jun-ichi
- 1PA-020** Structural and Physical Properties of Molecular Conductors Derived from New DHTTF Donors (Grad. Sch. Mat. Sci., Univ. of Hyogo) ISHIKAWA, Tatsuya; AKUTSU, Hiroki; NAKATSUJI, Shin'ichi; YAMADA, Jun-ichi
- 1PA-021** Hofmeister's Series Dependence of the Activity of Lysozyme in Ionic Liquid-Water Mixtures (Dept. Appl. Chem., Nat. Def. Acad.) YOSHIMURA, Yukihiko; WATANABE, Kentaro; SHIGEMI, Machiko; TAKEKIYO, Takahiro; ABE, Hiroshi
- 1PA-022** Structural Selectivity of Protein in the Highly Aqueous Ionic Liquid Solutions (Dept. Appl. Chem., Nat. Def. Acad.) TAKEKIYO, Takahiro; FUKUDOME, Keisuke; ABE, Hiroshi; YOSHIMURA, Yukihiko
- 1PA-023** High pressure solubility of L-tyrosine in water (Coll. Life Sci., Ritsumeikan Univ.) ATSUDA, Eri; SAWAMURA, Seiji
- 1PA-024** Thermodynamic property and hydration structure of hydrated proteins at low temperatures (Fac. Sci., Fukuoka Univ.) YOSHIDA, Koji; TANO, Kanako; YAMAGUCHI, Toshio
- 1PA-025** Two Ornstein-Zernike-Debye correlation lengths of liquid methanol derivatives with bulky functional groups (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KOIKE, Kent; HISHIDA, Mafumi; NAGATOMO, Shigenori; YAMAMURA, Yasuhisa; SAITO, Kazuya
- 1PA-026** Thermal conductivity and flow properties of IoNanofluids (IMRAM, Tohoku Univ.) TOMIDA, Daisuke; QIAO, Kun; YOKOYAMA, Chiaki
- 1PA-027** Binary phase diagram between 4-alkyl-4'-cyanobiphenyl mesogens with long and short alkyl-chains (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) FUJIMURA, Shuhei; YAMAMURA, Yasuhisa; HISHIDA, Mafumi; NAGATOMO, Shigenori; SAITO, Kazuya
- 1PA-028** Alkyl-chain-length dependence of liquid crystal properties of long-chain 1,3-dialkylimidazolium salts (Fac. Eng., Soka Univ.) SAITO, Minoru; ABE, Kazuma; ITO, Masato; SHIMIZU, Akiyo
- 1PA-029** Relationship between the Dynamic Viscoelastic Properties and the helical pitch in Cholesteric Phase (Grad. Sch. Life Sci., Ritsumeikan Univ.) HATANO, Tomohiro; KANEKO, Kosuke; HANASAKI, Tomonori
- 1PA-030** Local structure of the B4 phase of classical banana shaped molecules (Grad. Sch. Sci., Eng., Tokyo Tech) HATTORI, Masaya; SHIRATA, Kei; KAWAUCHI, Susumu
- 1PA-031** The sol-gel transition in aqueous solution of methylcellulose under high pressure (Grad. Sch. Eng., Osaka City Univ.) TANABE, Masahiro; KOMETANI, Noritsugu
- 1PA-032** Cycle growth and dissolution of camphor crystals in quinary, ternary, and binary solutions under applied temperature variation (Department of Sci. Tech., Meiji Univ.) MITSUYA, Takuro; TAKAHASHI, Kyohei; NAGASHIMA, Kazushige
- 1PA-033** Experimental study on interface attachment kinetics of tetrahydrofuran clathrate hydrates (Department of Sci. Tech., Meiji Univ.) AOKI, Yuta; MURAOKA, Michihiro; NAGASHIMA, Kazushige
- 1PA-034** Pattern formation of ice crystals during directional growth at constant velocity and oscillated velocity (Department of Sci. Tech., Meiji Univ.) WASHIZU, Masatoshi; NAGASHIMA, Kazushige
- 1PA-035** Evaluation of behavior of a perylene dicarboxylate derivative fixed on glass substrates at a single molecule level (Coll. Sci. Tech., Nihon Univ.) MOCHIDA, Tomoaki; OTSUKI, Joe; SUGAWA, Kosuke; CHAEN, Shigeru; TOJO, Tadashi
- 1PA-036[#]** Effect of Polymer Matrix on Coherent Acoustic Phonon Dynamics of Gold Nanorods by Transient Absorption Spectroscopy (Sch. Sci. Tech., Kwansei Gakuin Univ.) WANG, Li; TAKEDA, Syouhei; TAMAI, Naoto
- 1PA-037** Thin-film formation and ionic conduction of novel rotator-phase compounds using per fluoroborate (Yonago Nat. Coll. of Tech. Department of Materials Science) ODAWARA, Taeko; TATEMACHI, Taiga; HORATA, Rima; TANAKA, Susumu
- 1PA-038** Regioselective synthesis of octaalkoxyfullerenes and octaarylfullerenes via octabromofullerene (Fac. Sci., Toho Univ.) WATANABE, Keita; UCHIYAMA, Kouya; MORIYAMA, Hiroshi
- 1PA-039** Preparation of Au nanoparticles wrapped in glycoluril derivatives (Coll. Sci., Ibaraki Univ.) SUGANO, Ayaka; IZUOKA, Akira
- 1PA-040** Oxidation of Single-Walled Carbon Nanotubes using Organosulfur Compounds (Tokyo Gakugei Univ.) AMAGAI, Yuri; MAEDA, Yutaka; YAMADA, Michio; HASEGAWA, Tadashi
- 1PA-041** Identification of the oxidation products of neutral Au₁₁ cluster (Grad. Sch. Sci. Eng., Ibaraki Univ.) SAKURAI, Maki; SAKAMOTO, Emiko; IZUOKA, Akira
- 1PA-042** Ligand exchange reaction of Au₁₁ cluster with 4-ethynylpyridine (Grad. Sch. Sci. Eng., Ibaraki Univ.) KUWAHARA, Takumi; ASHIKI, Ryo; IZUOKA, Akira
- 1PA-043** Withdrawn
- 1PA-044** The structure and properties of proton conductors which consist of dicarboxylic acids and imidazole analogues (ISSP, The Univ. of Tokyo) SUZUKI, Keisuke; YOSHIDA, Junya; UEDA, Akira; MORI, Hatsumi

- 1PA-045** Synthesis, Structures, and Properties of Novel Organic Conductors based on Catechol-fused TTF Derivatives with Two Selenium Atoms (ISSP, The Univ. of Tokyo; Fac. Sci., Tokyo Univ. of Sci.) HATAKEYAMA, Akari; UEDA, Akira; ENOMOTO, Masaya; MORI, Hatsumi
- 1PA-046** Molecular Design and Synthesis of Three-Fold Symmetric Benzotrithiophene-Based Donors toward High Dimensionality (LTM, Kyoto Univ.) TAKAHASHI, Yusuke; NAKANO, Yoshiaki; YAMOCHI, Hideki
- 1PA-047** Fabrication of organic thin film device based on TTF-complexes (Grad. Sch. Sci. Eng., Ibaraki Univ.) WACHI, Atsushi; NISHIKAWA, Hiroyuki
- 1PA-048** Structures and physical properties of (S,S)-DM-MeDH-TTP salts (Grad. Sch. Sci. Eng., Ibaraki Univ.) WATANABE, Takeshi; NISHIKAWA, Hiroyuki
- 1PA-049** The electrocrystallization condition which afforded cation radical salts with different crystal structure for the ET analogues (LTM, Kyoto Univ.) ISHIKAWA, Manabu; NAKANO, Yoshiaki; OTSUKA, Akihiro; YAMOCHI, Hideki
- 1PA-050** Development of novel organic conductors based on TTF derivatives containing fluoromethyl group (Nagaoka Univ. of Tech.) HAN, Xuhui; MONDEN, Syougo; SHIGA, Yuta; ITO, Tatsuya; IMAKUBO, Tatsuro
- 1PA-051** The molecular structure and ionic conduction of 2-undecylimidazole (UI)/lauric acid(LA) binary system (Yonago Nat. Coll. of Tech.) NOMI, Masafumi; TANAKA, Susumu
- 1PA-052** Charge transfer complexes composed of iron phthalocyanine having different axial ligands (Grad. Sch. Sci. Technol., Kumamoto Univ.) MATSUDA, Masaki; HAMADA, Yumi; OHISHI, Hiroko; KANDA, Akinori; HANASAKI, Noriaki
- 1PA-053** Construction of a molecular conductor composed of axially ligated iron(III) tetrabenzoporphyrin (Grad. Sch. Sci. Technol., Kumamoto Univ.) NISHI, Miki; MATSUDA, Masaki
- 1PA-054** Theoretical studies of change in electronic state by rotation of phthalocyanine in TbPc2 complex (Grad. Sch. Sci., Osaka Univ.) KURAHASHI, Hiroyuki; YOSHIMURA, Shohei; KITAGAWA, Yasutaka; KATOH, Keiichi; KAWAKAMI, Takashi; YAMANAKA, Shisuke; YAMASHITA, Masahiro; OKUMURA, Mitsutaka
- 1PA-055** Crystal Growth, Structure, and Magnetic Properties of Layered Copper Hydroxides with Various Organic Sulfonates (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) FUJITA, Wararu; KIKUCHI, Koichi
- 1PA-056** Syntheses and Properties of (Nitronyl Nitroxide)- and Iminonitroxide-substituted Pyrrolidin-1-oxyl Diradicals (Grad. Sch. Sci., Osaka City Univ.) TSUJIMOTO, Haruki; SUZUKI, Shuichi; KOZAKI, Masatoshi; SHIOMI, Daisuke; SATO, Kazunobu; TAKUI, Takeji; OKADA, Keiji
- 1PA-057** Effect of deuterium substitution on magnetic phase transitions of a coordination polymer, bis(glycolato)copper(II). (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YONEYAMA, Shouta; KODAMA, Takeshi; KIKUCHI, Koichi; FUJISAWA, Takumi; YAMAGUCHI, Akira; FUJITA, Wararu
- 1PA-058** Crystal structure and magnetic property of [CuCyclam][Ni(bdt)2] (Sch. Sci. Eng., Meisei Univ.) NISHIJO, Junichi; IWAMA, Kazuya
- 1PA-059** Synthesis and Spin Characteristics of A Novel Pentacene Derivative Having An Ethynyl-Bridged Stable Radical Substituent (Grad. Sch. Sci., Osaka City Univ.) HINOSHITA, Masumi; SHIMIZU, Akihiro; ITO, Akitaka; TEKI, Yoshio
- 1PA-060** The study on optically anomalous 1,8-dihydroxyanthraquinone crystal by chiroptical spectroscopy (Fac. Eng., Fukuoka Univ.) TAKAMOTO, Makoto; TAJIMA, Nobuo; MORIYAMA, Hiroshi; MISHIMA, Kenji; HARADA, Takunori
- 1PA-061** Fluorescence behavior of a single quantum dot interacted with plasmon of silver-coated AFM tip (Sch. Sci. Tech., Kwansei Gakuin Univ.) TAKATA, Hiroki; MASUO, Sadahiro
- 1PA-062** Molecular occlusion and luminescence properties of chiral porous coordination polymers (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) OKAMOTO, Junya; MURAMATU, Naoki; MARUTA, Goro; KAGEYAMA, Yoshiyuki; TAKEDA, Sadamu
- 1PA-063[#]** Effects of termination on multiexciton dynamics of Si quantum dots by femtosecond near-IR transient absorption spectroscopy (Sch. Sci. Tech., Kwansei Gakuin Univ.) CHEN, Dong; WANG, Li; SATO, Seiichi; YAO, Hiroshi; TAMAI, Naoto
- 1PA-064** Fabrication of a single quantum dot - metal nanowire system by AFM manipulation and photon antibunching measurement of the system (Sch. Sci. Tech., Kwansei Gakuin Univ.) YAMANAKA, Akihiro; MASUO, Sadahiro

Physical Chemistry -Chemical Kinetics and Dynamics-

- 1PA-067** Ab Initio Study on Mechanisms of On-Resonance Excitation Collision Induced Dissociation of Protonated Phosphopeptides V.Fragmentation mechanism of H₃PO₄ loss from [TRDIYEDpYYRK]H⁺ (Fac. Sci., Nara Women's Univ.; Shimadzu Corp. Koichi Tanaka Laboratory of Advanced Science and Technology) YAMASHITA, Asuka; KAJIHARA, Shigeki; MURASE, Masaki; TANAKA, Koichi; TAKEUCHI, Takae
- 1PA-068** Theoretical Investigation of the Cs Exchange Reaction between CsI Molecule and Cs Atom (QBSC, JAEA) KOBAYASHI, Takanori; HASHIMOTO, Masashi; YOKOYAMA, Keiichi

- 1PA-069** Structures of $Au_nSi_m^+$ ($n = 1-6, m = 1, 2$) (NRI, AIST) MIYAWAKI, Jun; SUGAWARA, Ko-ichi
- 1PA-070** Reconsideration of Quantum Yield of Cycliation Reaction of Diarylethene Derivatives (Grad. Sch. Sci., Eng., Saitama Univ.) MURATA, Ryutarō; YAGO, Tomoaki; WAKASA, Masanobu
- 1PA-071** Photochromism of spiropyran included in cyclodextrin (Fac. Agr., Tokyo Univ. of Agri. and Technol.; Tokyo Univ. of Agri. and Technol. United Grad. School of Agri. Sci.) WADA, Tomomasa; YOSHIMURA, Norio; TAKAYANAGI, Masao
- 1PA-072** Visualization of SERS Hot Spots Using Super-resolution Optical Microscope (Sch. Sci. Tech., Kwansai Gakuin Univ.) FUKUI, Taisuke; MASUO, Sadahiro
- 1PA-073[#]** Photon Antibunching Behavior of Single Quantum Dots Coupled to Gold Nanostructures (Sch. Sci. Tech., Kwansai Gakuin Univ.) MURTI, Damar; IDOMOTO, Keisuke; MASUO, Sadahiro
- 1PA-074** Effect of preliminary solvation on ultrafast intramolecular charge transfer reaction in ionic liquids (Grad. Sch. Eng. Sci., Osaka Univ.) TAKEUCHI, Eisuke; MURAMATSU, Masayasu; KATAYAMA, Tetsuro; ITO, Syoji; NAGASAWA, Yutaka; MIYASAKA, Hiroshi
- 1PA-075** Resonance Photoionization of Diarylethene Derivatives Using Multi-Color Multi-Lasers in the presence of Cyclodextrins (Fac. Eng., FUT) TAKEISHITA, Tatsuya; WATANABE, Shouhei; HARA, Michihiro
- 1PA-076** Laser Resonance Two Photon Ionization of Straight-chain Aromatic Hydrocarbon in the presence of Cyclodextrin in Water Solution (Fac. Eng., FUT) KASABA, Yuuta; WATANABE, Shouhei; HARA, Michihiro
- 1PA-077** Laser-induced effects of CO and D₂O adsorbed on NiAl(110) (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) NAGAI, Kenta; KOYATA, Yuusuke; NAKASHIMA, Takaaki; WATANABE, Kazuo
- 1PA-078** Magnetic Field Effects on Photocurrents of Zinc Porphyrin-Viologen Linked Compounds-Metal Nanoparticle Composite Films (Grad. Sch. Eng., Kyushu Univ.; Kyushu Univ. Faculty of Engineering) NIIMI, Tomoki; MATSUMOTO, Ryuji; YONEMURA, Hiroaki; YAMADA, Sunao
- 1PA-079** Submillisecond-Lived Photoinduced Charge Separation in Inclusion Complexes Composed of Fullerenes and Phenothiazine-Bridged Cyclic Porphyrin Dimers (Grad. Sch. Sci., Kyushu Univ.) KAMIMUTA, Takuya; OHKUBO, Kei; KAWASHIMA, Yuki; OZAKO, Shuwa; SAKAGUCHI, Ken-ichi; SHINMYOZU, Teruo; FUKUZUMI, Shunichi; TANI, Fumito
- 1PA-080** Synthesis and Photochemical Properties of Porphyrin-Quinoid Porphyrin Conjugates (Grad. Sch. Sci., Kyushu Univ.) SAKATANI, Shouhei; OHKUBO, Kei; KAMIMURA, Takuya; SHINMYOZU, Teruo; FUKUZUMI, Shunichi; TANI, Fumito
- 1PA-081** Effect of Solvent Environment on Supramolecular Assembly Formation between Water-Soluble Porphyrin and Naphthalene Diimide Derivatives and Photoinduced Electron Transfer Properties (Fac. Sci. Tech., Keio Univ.) MOCHIZUKI, Akira; MIURA, Tomoaki; HASOBE, Taku
- 1PA-082** The effects of Au nanocubes localized surface-plasmon resonance of dye sensitized solar cell (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) NAKAZAWA, Hiroki; HIRABAYASHI, Yuuki; AKAIWA, Kazuki; WATANABE, Kazuo
- 1PA-083** Oil droplet that initiates self-propelled motion by producing amine having long alkyl chain (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TANAKA, Yuki; BANNO, Taisuke; TOYOTA, Taro
- 1PA-084** Solvent Effect on the Disproportionation of DPPH Radical in the Presence of Redox-Inactive Metal Ions (NIRS Research Center for Charged Particle Therapy) WAKI, Tsukasa; OHKUBO, Kei; FUKUZUMI, Shunichi; KAMADA, Tadashi; OZAWA, Toshihiko; MATSUMOTO, Ken-ichiro; NAKANISHI, Ikuo
- 1PA-085** Experimental and theoretical analysis of chiral thalidomide molecular behavior in complex metabolic systems involving chiral inversion (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) OGINO, Yoshiyuki; TANAKA, Masahito; SHIBATA, Norio; OSAKA, Tetsuya; ASAH, Toru
- 1PA-086** Reaction Layer Thickness Depending on the Steady State Coupling between Chemical Reaction and Membrane Transport in an Acid Phosphatase Immobilized Enzyme Membrane (Grad. Sch. Sci., Kyushu Univ.) NOMURA, Kazuo; MIYAWAKI, Heita
- 1PA-089** Metal ion recognition of Newly Fluorescence Sensor Based on Quinolinol (Osaka Kyoiku Univ.) KUBONO, Koji; TOSHIZANE, Moe; TANI, Keita; YOKOI, Kunihiko
- 1PA-090** Development of Fluorescence Ion Sensor Based on Salicylidenearylohydrazine (Osaka Kyoiku Univ.) TAKEDA, Yoshitaka; KUBONO, Koji; YOKOI, Kunihiko
- 1PA-091** Analysis of chemiluminescence spectra in oxidative degradation of unsaturated fatty acid (ISC, AIST) SAGO, Tomohiro; HAGIHARA, Hideaki; TAKADA, Noriyuki; SUDA, Hiroyuki
- 1PA-092** Transient Absorption Microspectroscopy of a Rubrene Single Microcrystal (Fac. Eng., Ehime Univ.) INOUE, Yasunori; ISHIBASHI, Yukihide; ASAH, Tsuyoshi
- 1PA-093** Rapid Determination of Trace Cadmium and Arsenic in Food Products by Using High Sensitivity X-ray Fluorescence Spectrometer (Hitachi High-Tech Science Corporation Science Solution Lab. Tokyo) FUKAI, Takayuki; SAKAMOTO, Hideyuki; OHGAKI, Masataka
- 1PA-094** Improvement of the detection limit for cadmium obtained by a portable total reflection X-ray fluorescence spectrometer (Fac. Eng., Tokyo Univ. of Sci.) AMAGASU, Katsuyuki; HOJO, Yuma; KUNIMURA, Shinsuke
- 1PA-095** Examination of a method for trace analysis of Cr (VI) using a portable total reflection X-ray fluorescence spectrometer (Tokyo Univ. of Sci.) (Fac. Eng., Tokyo Univ. of Sci.) TOMIYAMA, Masatomo; HOJO, Yuma; KUNIMURA, Shinsuke
- 1PA-096** Development of the confocal XRD and three-dimensional analysis of crystalline phases by confocal XRD (Grad. Sch. Eng., Tokyo City Univ.) AWAJI, Satsuki; EBA, Hiromi
- 1PA-097** Improvement of Dipping Time of Bathophenanthroline Dye Nanoparticle-coated Test Strip for the Detection of Fe(II) by Using Polymer (Nagaoka Univ. of Tech.) KANAI, Nobukazu; TAKAHASHI, Yukiko
- 1PA-098** Utility of Two Kinds Salt Bridge Parallel-Connected Reference Electrode (Coll. Eng., Chubu Univ.) ONODA, Masayuki; KUWAYAMA, Daiki; ISHIKAWA, Norihisa
- 1PA-099** Effective methods for the measurement of CsI cluster ions by MALDI-MS (Sch. Eng., Tohoku Univ.) MOCHIZUKI, Shunsuke
- 1PA-100** Elemental analysis and high energy CID MS/MS analysis of nanocarbon materials using MALDI-spiralTOF-TOF system (Nagoya Univ. WPI-ITbM; JEOL Ltd.; Grad. Sch. Sci., Nagoya Univ.; ERATO, JST) KEIKO, Kuwata; ITOH, Yoshiyuki; SEGAWA, Yasutomo; ITAMI, Kenichiro
- 1PA-101** Gene analysis of volatile organic compound production in *Aspergillus nidulans* II. Structure analysis of sesquiterpene (Grad. Sch. Human Sci., Nara Women's Univ.) TSURI, Sayaka; AKASHI, Tomohiro; SUZUKI, Takahito; TAKEUCHI, Takae
- 1PA-102** Laser ablation resonance-enhanced multiphoton ionization of Sr atoms (RIIF, AIST) NAGAI, Hidekazu
- 1PA-103** Development of the simultaneous search system to help analysis of mass spectra of complex samples (BioChromato Product Development Department) KUDOU, Yuki; SHIMADA, Haruo; NORITAKE, Yuka; KINOSHITA, Kazuma; SHIDA, Yasuo
- 1PA-104** Determination of Urea in Cosmetics Based on the Combination of an Enzymatic Reaction with Immobilized Urease and Ion Chromatographic Analysis. (Coll. Eng., Chubu Univ.) SUZUKI, Takuya; MIZUNO, Yuuya; SUZUKI, Masashi; MIYAUCHI, Toshiyuki
- 1PA-105** Determination of Paraben in Cosmetics and Food by HPLC on a Biphenyl Stationary Phase Column (Sch. Sci., Tokai Univ.) ISHIIHARA, Yoshimi; TAKANO, Jiro; KITAMI, Hideaki
- 1PA-106** CFD study for a liquid-phase separation technique in an open-tubular column that is based on difference in diffusivity of solute. (Fac. Sci. Eng., Doshisha Univ.) MURATA, Yuki; MORIMOTO, Chika; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko
- 1PA-107** Detection of DNA point mutations through mass spectrometric analysis of oligonucleotide obtained by an allele-specific cleavage of a DNA/RNA chimeric probe. (Fac. Sci. Eng., Doshisha Univ.) OKURA, Naoaki; YUASA, Ayae; HASHIMOTO, Masahiko; TSUKAGOSHI, Kazuhiko
- 1PA-108** Reversed-phase partition high-performance liquid chromatography separation system with water structure breakers as mobile phase modifiers (Grad. Sch. Eng., Univ. of Fukui) HAMADA, Miyuki; HOSHINO, Hitoshi; TAKAHASHI, Toru
- 1PA-109** Cloud point extraction using non-ionic surfactant of lower cloud point temperature as a sensitivity enrichment step for gas chromatography-mass spectrometry (Fukushima Univ. Clus. of Sci. and Tech.; Fukushima Univ. Inst. of Environ. Radio.) MATSUO, Seiji; TAKAGAI, Yoshitaka
- 1PA-110** Fundamental investigation on the development of electrophoretic immunoassay device based on enzyme-labelled antibody concentration using hydrogel immobilizing fluorescent substrate (Sch. Eng., Osaka Pref. Univ.) MIYAMOTO, Shogo; WAKAYAMA, Hideki; SUEYOSHI, Kenji; ENDO, Tatsuro; HISAMOTO, Hideaki
- 1PA-111** Development of three-dimensional digital electrophoresis. 2 : two-dimensional digital electrophoresis based on isoelectric focusing and molecular sieving separation (Grad. Sch. Eng., Osaka Pref. Univ.) KANAOKA, Tadamasu; MATSUDA, Keita; SUEYOSHI, Kenji; ENDO, Tatsuro; HISAMOTO, Hideaki
- 1PA-112** Development of three-dimensional digital electrophoresis. 3 : Fabrication and evaluation of digital blotting using multi-layered hydrogel (Sch. Eng., Osaka Pref. Univ.) MATSUDA, Keita; KANAOKA, Tadamasu; SUEYOSHI, Kenji; ENDO, Tatsuro; HISAMOTO, Hideaki
- 1PA-113** Fundamental investigation on the automated quantification of iPS cell-related proteins by ELISA using capillary electrophoresis apparatus (Grad. Sch. Eng., Osaka Pref. Univ.) KATO, Tomoko; IZUMOTO, Kentaro; SUEYOSHI, Kenji; ENDO, Tatsuro; HISAMOTO, Hideaki
- 1PA-114** Polymer/TiO₂ Hybrid Photonic Crystal for Fluorescence Enhancement in Aqueous Solution (Osaka Pref. Univ.) AKI, Shoma; ENDO, Tatsuro; SUEYOSHI, Kenji; HISAMOTO, Hideaki
- 1PA-115** Single-step enzyme immunoassay of the cancer diagnosis markers using lipophilic fluorescent substrate-immobilized capillary (Grad. Sch. Eng., Osaka Pref. Univ.) FUNANO, Shunichi; SUGAHARA, Masato; HENARES, Terence; SUEYOSHI, Kenji; ENDO, Tatsuro; HISAMOTO, Hideaki
- 1PA-116** Alternating current cloud point extraction on a microchip using aqueous two-phase systems (Fac. Sci. Eng., Toyo Univ.) ADACHI, Takashi; SASAKI, Naoki

Analytical Chemistry

- 1PA-089** Metal ion recognition of Newly Fluorescence Sensor Based on Quinolinol (Osaka Kyoiku Univ.) KUBONO, Koji; TOSHIZANE, Moe; TANI, Keita; YOKOI, Kunihiko
- 1PA-090** Development of Fluorescence Ion Sensor Based on Salicylidenearylohydrazine (Osaka Kyoiku Univ.) TAKEDA, Yoshitaka; KUBONO, Koji; YOKOI, Kunihiko
- 1PA-091** Analysis of chemiluminescence spectra in oxidative degradation of unsaturated fatty acid (ISC, AIST) SAGO, Tomohiro; HAGIHARA, Hideaki; TAKADA, Noriyuki; SUDA, Hiroyuki
- 1PA-092** Transient Absorption Microspectroscopy of a Rubrene Single Microcrystal (Fac. Eng., Ehime Univ.) INOUE, Yasunori; ISHIBASHI, Yukihide; ASAH, Tsuyoshi
- 1PA-093** Rapid Determination of Trace Cadmium and Arsenic in Food Products by Using High Sensitivity X-ray Fluorescence Spectrometer (Hitachi High-Tech Science Corporation Science Solution Lab. Tokyo) FUKAI, Takayuki; SAKAMOTO, Hideyuki; OHGAKI, Masataka
- 1PA-094** Improvement of the detection limit for cadmium obtained by a

- 1PA-117** Measurements of air pollutants in Hanoi, Viet Nam (Grad. Sch. Eng., Osaka Pref. Univ.) TAKENAKA, Norimichi; SAKAMAKI, Ken; SEKI, Tomohiro; SHIMOYAMA, Saori; NAKATSUKA, Kumiko; PHAN, Quang thang
- 1PA-118[#]** Chemiluminescence method for chemical oxygen demand (Grad. Sch. Eng., Osaka Pref. Univ.) DO THI KIM, Hue; TAKENAKA, Norimichi
- 1PA-119** Drug analysis in blood stain by direct surface analysis with nano-electrospray ionization mass spectrometry (Forensic Sci. Lab., Fukuoka Pref. Police H.Q.) MOHRI, Kazuko; MOHRI, Hiroyuki; GOHDA, Akinaga; WAKIGAWA, Kengo; OKAZAKI, Hidehiko; HARAGUCHI, Shingo; HAYASAKI, Hiroshi; FUKUSHIMA, Sunao
- 1PA-120** Development of a quartz crystal sensor with a functional electrode and its application to high sensitive biosensing (TUT) OTSUKA, Tsubasa; MURAMATSU, Hiroshi; TANABE, Sachiko; SUDA, Masayuki
- 1PA-121** Evaluating the effect of anti-tumor reagent to cultured cells using a quartz crystal sensor (TUT) OTANI, Naoya; MURATSU, Hiroshi
- 1PA-122** Detection of DNA damages using LexA and DNA interaction (TUT) YAMAGUCHI, Nao; KASUYA, Yusuke; AKIMOTO, Takuo
- 1PA-123** A single DNA stretching device for nanopore DNA sequencing (FIRST RCIN, Nagoya Univ.) SANO, Mamiko; YASUI, Takao; KAJI, Noritada; TANIGUCHI, Masateru; KAWAI, Tomoji; BABA, Yoshinobu
- 1PA-124** Development of high-resolution single-molecule stretching and imaging device for methylated DNA using gold nanoparticle (Sch. Eng., Nagoya Univ.) TAKESHITA, Daiki; ONOSHIMA, Daisuke; YASUI, Takao; KAJI, Noritada; BABA, Yoshinobu
- 1PA-125** Evaluation of molecular crowding effects on an enzyme reaction by using microfluidic devices (Grad. Sch. Eng., Nagoya Univ.) MAKINO, Masataka; YASUI, Takao; KAJI, Noritada; BABA, Yoshinobu
- 1PA-126** Development of two layers culture technique for less invasive collection and cell aggregate formation (Grad. Sch. Eng., Nagoya Univ.) TABUCHI, Keiko; OKAMOTO, Yukihiro; YUKAWA, Hiroshi; ONOSHIMA, Daisuke; BABA, Yoshinobu
- 1PA-127** Development of RNA extraction method for single cell analysis from vitrification cells (Grad. Sch. Eng., Nagoya Univ.; FIRST RCIN, Nagoya Univ.) OKAWA, Tomoki; OKAMOTO, Yukihiro; ONOSHIMA, Daisuke; YUKAWA, Hiroshi; BABA, Yoshinobu
- 1PA-128** Construction of Transcription-Type Imprinted Polymer array for proteins with fluorescence detection (Grad. Sch. Eng., Kobe Univ.) KUWATA, Takahiro; SUNAYAMA, Hirobumi; TAKANO, Eri; KITAYAMA, Yukiya; OOYA, Tooru; TAKEUCHI, Toshifumi
- 1PA-129** Molecularly imprinted polymers towards ketosteroids for sensing (Grad. Sch. Eng., Kobe Univ.) KOBAYASHI, Nobuaki; SUNAYAMA, Hirobumi; TAKANO, Eri; KITAYAMA, Yukiya; OOYA, Tooru; TAKEUCHI, Toshifumi
- 1PA-130** Characterization of DNA aptamers which bind to CD4 and their applications for detection of CD4-expressing cells (TUT) SHIBATA, Toshinao; SHIMIZU, Tomoo; SHIRATANI, Tomoko; SHIMIZU, Masafumi; KATAOKA, Naoki; SATO, Atushi; YANO, Kazuyoshi
- 1PA-131** Analysis of Cesium in Brown Rice with Flame Emission Spectrometry (Grad. Sch. Sci., Eng., Saitama Univ.) KATO, Misa; SAITO, Shingo; SHIBUKAWA, Masami
- 1PA-132** Nonenzymatic browning reaction between fructose and a variety of aminoacids (Fac. Sci. Tech., Ryukoku Univ.) YUMA, Ochi; FUJIWARA, Manabu
- 1PA-133** Electronic states of tartaric acid and its alkali metal salts(2) (Fac. Sci. Tech., Ryukoku Univ.) SHIOYAMA, Rikiya; KONISHI, Hiroyuki; HARADA, Tadao; OSAWA, Tsutomu; FUJIWARA, Manabu
- 1PA-134** 3D channel making in chip by using template (Toyama Inst. Health Chemistry) YAMASHITA, Tomohisa
- 1PA-135** Lanthanide ion liquid-liquid extraction using a fluoros solvent (Grad. Sch. Sci. Tech., Keio Univ.) NAKAMURA, Etsuko; SUZUKI, Koji
- 1PA-136** Functionalization of a cyclodextrin modified AFM cantilever (ERATO JST; RIKEN; Tokai Univ. Inst. Glycoscience) SUZUKI, Katsuhiko; ITO, Yukishige; KANIE, Osamu
- 1PA-137** Two-Dimensional Structural Analysis of Alkyl-Derivatized Indigo and the Cu-Complex (Fac. Sci., Tokyo Univ. of Sci.) NODA, Keisuke; FUKUMOTO, Yuichiro; ONO, Toshikazu; HONDA, Akinori; TAMAKI, Yoshinori; MIYAMURA, Kazuo
- 1PA-138** Characterization of Adhesion between Ag Sintering Layer and Cu Electroplating Layer (DIC Corporation) UOTA, Masafumi; FUJINO, Rika; SHIRAKAMI, Jun; FUJIKAWA, Wataru; MURAKAWA, Akira; YOSHIMURA, Takumi
- 1PA-139** Surface Functional Groups and VOC-Adsorption and Desorption Properties of Charcoal Prepared from Biomass (Fac. Sci., Kanagawa Univ.) SHIRAIISHI, Takuto; OKABE, Toshihiro; TSUGOSHI, Takahisa; NISHIMOTO, Yuko
- 1PA-140** Analytical study of Excavated Natural Whetstone and go stone (Fac. Sci., Kanagawa Univ.) AOYANAGI, Yuki; TAKAOKA, Manami; NISHIMOTO, Yuko

Thursday, March 27, AM

(12 : 30~14 : 00)

Natural Products Chemistry

- 1PB-001** Synthesis and NMR analysis of four stereoisomers of bisabolane side-chain (Rikkyo Univ; RIKEN) HIRAI, Misaki; HIROTA, Hiroshi; KURODA, Chiaki
- 1PB-002** Synthesis of bisabolane sesquiterpene isolated from *Ligularia lankongensis* (Rikkyo Univ; RIKEN) TAKAGI, Hirokazu; HIROTA, Hiroshi; KURODA, Chiaki
- 1PB-003[#]** Constituents of *Lamium purpureum* (Ichinoseki National College of Technology Department of Chemical Engineering) SATO, Kiyoko
- 1PB-004** Synthesis of environment-friendly whisky lactone by H-Y zeolite (Fac. Sci., Yamagata Univ.) OTA, Rie; SHIBATA, Katsumasa; KURIYAMA, Yasunao
- 1PB-005** Various biological activities of flavonoids from *Pau ferro* (*Caesalpinia ferrea* Mart.) (Okayama Univ. of Sci.) MITSUI, Taichi; KIDO, Masahiro; HAYASHI, Ken-ichiro; MATSUURA, Nobuyasu; NOZAKI, Hiroshi
- 1PB-006** Efficient flow synthesis for Hexahydroxydiphenol group (Sch. Sci. Tech., Kwansei Gakuin Univ.) KURODA, Kazuhiro; YAMADA, Hidetoshi
- 1PB-007** Synthetic study of a marine macrolide koshikalide and determination of configuration (Fac. Sci. Tech., Keio Univ.) KUNIFUDA, Kazuki; NAGAMOTO, Masashi; SUENAGA, Kiyotake
- 1PB-008** Synthetic Study on Tomuruline (Fac. Sci. Tech., Keio Univ.) KUDO, Chihiro; SAME, Kyouhei; OHNO, Osamu; SUENAGA, Kiyotake
- 1PB-009** Facile synthesis of phenolic acids through the Ullmann reaction as a key step (Grad. Sch. Sci. Eng., Univ. of Toyama) ISHIKURA, Shingo; SHIOE, Kazuma; HORINO, Yoshikazu; ABE, Hitoshi
- 1PB-010** Study for relation between heat-induced oxidation and isomerization of polyunsaturated fatty acids (NFRI Food Material Science Division) TSUZUKI, Wakako
- 1PB-011** Enantioselective synthesis of lactones from some alkenyl acid esters with chiral auxiliary group in H-Y zeolite. (Fac. Sci., Yamagata Univ.) TAKAHASHI, Katsuya; KURIYAMA, Yasunao; SHIBATA, Katsumasa
- 1PB-012** Synthesis and LC/MS/MS Analysis of Deuterium Labeled Catechin Oligomer (Grad. Sch. Sci., Eng., Tokyo Tech) TAKAHASHI, Haruko; YANO, Takahisa; OHMORI, Ken; KUSUMI, Takenori; SUZUKI, Keisuke
- 1PB-013** Analytical study of fundamental reactivity of zerumbone (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) YAMAMOTO, Chieko; TSUZUKI, Terutaka; KITAYAMA, Takashi
- 1PB-014** Structural determination of intermediates in the reduction pathway of a geranylgeranyl moiety in chlorophyll biosynthesis (Grad. Sch. Life Sci., Ritsumeikan Univ.) TAMIAMI, Hitoshi; NOMURA, Kota; MIZOGUCHI, Tadashi
- 1PB-015** Synthetic study towards methylenelactone by aqueous cyclization of allylsilane (Rikkyo Univ) IKEGAMI, Daisuke; KURODA, Chiaki
- 1PB-016** Selective double bond migration of (+)-limonene over zeolite catalyst (Grad. Sch. Sci., Eng., Yamagata Univ.; Fac. Sci., Yamagata Univ.; Chem. Res. Lab., Tokyo Tech) SUSUTA, Toshiya; KURIYAMA, Yasunao; NAKASHIMA, Satotsugu; NOMURA, Junko; YAMAZAKI, Hiroshi
- 1PB-017** Photoisomerization of Lycopenes by Direct and Sensitized Irradiation (Sch. Eng., The Univ. of Shiga Pref.; Kagome Co. Ltd.) HAYASHI, Kento; INOUE, Yoshinori; TAKEHARA, Munenori; KUMAGAI, Tsutomu; KITAMURA, Chitoshi; HONDA, Masaki
- 1PB-018** Solvent effect on the electronic spectra of all-*trans* and mono-*cis*-lycopenes (Sch. Eng., The Univ. of Shiga Pref.; Kagome Co. Ltd.) KUWA, Takahiro; INOUE, Yoshinori; TAKEHARA, Munenori; KITAMURA, Chitoshi; KUMAGAI, Tsutomu; HONDA, Masaki
- 1PB-019** Stereoselective synthesis of Schiglaunone A (Grad. Sch. Sci. Eng., Univ. of Toyama) MIYAZAWA, Masahiro; ONODERA, Mai; SHIMADA, Takahiro; YOKOYAMA, Hajime; HIRAI, Yoshio
- 1PB-020** Synthetic study of optically active Trilobatin B using highly enantioselective synthesis of tetra-substituted-cyclopropane and its chirality transfer ring-expansion (Grad. Sch. Sci. Technol., Shinshu Univ.) ISHIDA, Natsuki; NISHII, Yoshinori; MURAMATSU, Yuta
- 1PB-021** Study on basic solution properties of 1- or 6-deoxyketohexoses (Fac. Agr., Kagawa Univ.) IWATA, Ryoko; YOSHIHARA, Akihide; SATO, Masashi; FUKADA, Kazuhiro
- 1PB-022** Studies directed toward development of specific ligands for neuronal receptors by domino metathesis of 7-oxanorbornenes (Grad. Sch. Nanobioscience, Yokohama City Univ.) CHIBA, Manami; FUJIMOTO, Chikako; ISHIKAWA, Yuichi; OIKAWA, Masato
- 1PB-023** Organocatalytic asymmetric synthesis of cyclopropane-containing amino acid (Grad. Sch. Nanobioscience, Yokohama City Univ.) KENTO, Tanaka; YUKA, Sugeno; YUICHI, Ishikawa; MASATO, Oikawa
- 1PB-024** Ozonolysis of Olefins with High Purity Ozone in Carbon Dioxide and Study of their Safety (Grad. Sch. Eng., Utsunomiya Univ.) YOSHIDA, Masaaki; HANEISHI, Tatsuya
- 1PB-025** Application of the VCD exciton chirality method to the structural analysis of biomolecules (Grad. Sch. Life Sci., Hokkaido Univ.) MANAI, Daisuke; SHIBATA, Masataka; FUKUZAWA, Masumi; TANIGUCHI,

Tohru; MONDE, Kenji

Biofunctional Chemistry ; Biotechnology

- 1PB-027** Synthesis and design of metal complex utilizing pyridyltriazole ligand containing sugar (Yonago Nat. Coll. of Tech.) TAKEMURA, Yuki
- 1PB-028** DNA complexed with photoionized Malachite Green derivative in organic solvents (Dept. of Chem. Eng., NNCT) MUKOUGAWA, Haruka; UDA, Ryoko
- 1PB-029** Synthesis of Chlorophyll Derivatives Possessing an Iodine Atom at the 20-Position and Their Physical Properties (Ritsumeikan Univ. Grad. Sch. Life Sci) TAMIAMI, Hitoshi; ARIKI, Nobutaka; OBA, Toru; MIYATAKE, Tomohiro
- 1PB-030** Construction and characterization of self-organized multi-porphyrin assembly by cyclodextrin inclusion (KIT) MATSUDA, Shota; SASAKI, Ken
- 1PB-031** Mimicking the cytochrome-c maturation processes on CcmE by an imidazole-adduct of chlorophyll derivatives (Grad. Sch. Eng., Utsunomiya Univ.) OBA, Toru; MASUYA, Takuto; ITO, Satoshi
- 1PB-032** Development of Synthetic Chiral Transmembrane Molecules (IMRAM, Tohoku Univ.; JST-PRESTO) NOGUCHI, Daiki; MURAOKA, Takahiro; KINBARA, Kazushi
- 1PB-033** Development of Amphiphiles Functioning in a Bilayer Membrane (IMRAM, Tohoku Univ.; JST-PRESTO) UMETSU, Kaori; MURAOKA, Takahiro; KINBARA, Kazushi
- 1PB-034** Amphiphilic derivatives of oligo(ethylene glycol)s - development and characterisation (IMRAM, Tohoku Univ.) WAWRO, Adam; MURAOKA, Takahiro; UI, Mihoko; KINBARA, Kazushi
- 1PB-035** Arylopeptoid (2): new solid-phase submonomer synthesis (Fac. Eng., Gifu Univ.; Gifu Univ. UGS Drug Discovery and Med. Info. Sci., Gifu Univ.) HORIO, Keito; IKEDA, Masato; KITADE, Yukio
- 1PB-036** Arylopeptoid (1): synthesis of cyclic arylopeptoid (Fac. Eng., Gifu Univ.; Gifu Univ. UGS Drug Discovery and Med. Info. Sci., Gifu Univ.) TORII, Ryo; HORIO, Keito; IKEDA, Masato; KITADE, Yukio
- 1PB-037** Synthesis and Host-Guest Properties of Cyclophane Dimers Linked with Various Spacers (Fac. Sci., Fukuoka Univ.) MATSUSHITA, Koji; OHNO, Tatsuya; HAYASHIDA, Osamu
- 1PB-038** Synthesis and characterization of water-soluble 5-oxaporphyrin (Fac. Sci. Eng., Doshisha Univ.) NAKAURA, Itsuki; SHIMIZU, Atsuko; NAKAGAWA, Aya; KAKEYA, Kazuhisa; MIZUTANI, Tadashi
- 1PB-039** Synthesis of Fluorescent-type Cyclophanes Bearing PEG Chains by Click Reaction (Fac. Sci., Fukuoka Univ.) SATO, Takuya; HAYASHIDA, Osamu
- 1PB-040** Synthesis and Degradation Behavior of Cyclophane Pentamer Having Disulfide Linkages (Fac. Sci., Fukuoka Univ.) NAKAMURA, Yu; HAYASHIDA, Osamu
- 1PB-041** Synthesis and Characterization of Cyclophane Dimer Bearing Acylhydrazone Moieties (Fac. Sci., Fukuoka Univ.) OHNO, Tatsuya; HAYASHIDA, Osamu
- 1PB-042** Effect of Methyl Substituent on Molecular Recognition of Quaternary Ammonium Salts Using Cyclic Tripeptide of (R)-2-(3-Aminophenoxy) propanoic Acid (Grad. Sch. Eng., Chiba Univ.) AKAZOME, Motohiro; SHIRAGAMI, Masashi; AKAMATSU, Tatsuya; MATSUMOTO, Shoji
- 1PB-043** High efficiency of the photodynamic therapy agent by expanding π -conjugated system of silylporphyrin (Grad. Sch. Eng., Gunma Univ.) SAKAI, Asumi; HORIUCHI, Hiroaki; AKIYAMA, Shingo; SAITO, Yuki; FURUYA, Masaru; ITO, Satoshi; OKUTSU, Tetsuo
- 1PB-044** Self-assembled Synthesis and Characterization of the pH-responsive Water-soluble Anthracenophane. (Grad. Sch. Eng., Kobe Univ.) MIYAKE, Ryohei; SUNAYAMA, Hirobumi; KITAYAMA, Yukiya; OOYA, Tooru; TAKEUCHI, Toshifumi
- 1PB-045** Equilibrium between monomer and trimer of calix[4]arene: Indirect control of the equilibrium in response to acid-base stimulus (Fac. Eng., Univ. of Fukui) UEDA, Masahiro; SAKON, Hiromasa; SUZUKI, Kiyoshi; KAWASAKI, Tsuneomi; TOKUNAGA, Yuji
- 1PB-046** Development of New Ni-NTA Oligomer Had High Affinity with Histidine Tag (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) SHIMOTSUBO, Takuya; AKAOKA, Kazushi; TAKI, Masayasu; YAMAMOTO, Yukio
- 1PB-047** Ring-closure reaction to 5-oxaporphyrin from 19-bilinone and application to turn-on type zinc ion sensing (Fac. Sci. Eng., Doshisha Univ.) NAKAJIMA, Takuya; KAKEYA, Kazuhisa; FUKAGAWA, Hiroyuki; MIZUTANI, Tadashi
- 1PB-048** Five-state molecular shuttling associated with protonation and deprotonation (Univ. of Fukui) KIMURA, Masaki; IKEZAKI, Syuji; HISADA, Kenji; KAWASAKI, Tsuneomi; TOKUNAGA, Yuji
- 1PB-049** Preparation of porphyrin-DNA conjugates using click reaction (Grad. Sch. Eng., Univ. of Hyogo) IWAKI, Toshihiro; TAKADA, Tadao; NAKAMURA, Mitsunobu; YAMANA, Kazushige
- 1PB-050** Photocurrent response of gold-nanoparticles assembled by DNA hybridization. (Grad. Sch. Eng., Univ. of Hyogo) SYUNORI, Kazue; TAKADA, Tadao; ASHIDA, Akane; NAKAMURA, Mitsunobu; YAMANA, Kazushige
- 1PB-051** Mechanism of G-quadruplex formation in telomere duplex (Shizuoka Univ. Faculty of Science) TANAKA, Asami; TAKAHAMA, Kentaro; OYOSHI, Takanori
- 1PB-052** A method for the synthesis of base-labile nucleoside triphosphates by using silyl-type protecting groups (Grad. Sch. Sci., Eng., Tokyo Tech) YAMAZAKI, Kazufumi; ITO, Hyugo; MASAKI, Yoshiaki; YAMADA, Nozomi; TSUNODA, Hirotsuke; KANAMORI, Takashi; OHKUBO, Akihiro; SEIO, Kohji; SEKINE, Mitsuo
- 1PB-053** Development of novel oligonucleotides for regulation of RISC function(II). Structural insights for design of inhibitors targeting RISC. (KIT) YAMAYOSHI, Asako; NAKAMURA, Hiromi; MATSUYAMA, Yohei; KOBORI, Akio; MURAKAMI, Akira
- 1PB-054** Synthesis and properties of nucleobase modified 2'-O-MCE RNA directed toward the treatment of Duchenne muscular dystrophy (Grad. Sch. Biosci. Biotech., Tokyo Tech) ISHII, Akihiro; MASAKI, Yoshiaki; YAMADA, Takeshi; OKANIWA, Natsuki; NAGATA, Tetsuya; TAKEDA, Shin'ichi; KANAMORI, Takashi; OHKUBO, Akihiro; SEIO, Kohji; SEKINE, Mitsuo
- 1PB-055** Synthesis and fluorescent properties of phenylethenonucleoside derivatives (KIT) KOBORI, Akio; NAKAKO, Haruka; YAMAYOSHI, Asako; MURAKAMI, Akira
- 1PB-056** Synthesis and exon skipping efficacy of phosphorothioate oligonucleotides containing base modified uridines (Grad. Sch. Biosci. Biotech., Tokyo Tech) INDE, Takeshi; MASAKI, Yoshiaki; TANIHATA, Jun; NAGATA, Tetsuya; TAKEDA, Shin'ichi; KANAMORI, Takashi; SEIO, Kohji; SEKINE, Mitsuo
- 1PB-057** Enzymatic Synthesis of Ligand-bearing Artificial DNA towards Multimer Array (Grad. Sch. Sci., The Univ. of Tokyo) KOBAYASHI, Teruki; SAKAMOTO, Akira; TAKEZAWA, Yusuke; SHIONOYA, Mitsuhiro
- 1PB-058** RNA-diagnosis of alternative splicing by homogeneous fluorescence assay (KIT) MURAKAMI, Akira; NAKAJIMA, Kosuke; KAWAI, Masayuki; HURUYAMA, Kouta; YAMAYOSHI, Asako; KOBORI, Akio
- 1PB-059** Mechanism of telomere regulation by TLS (Fac. Sci., Shizuoka Univ.) MIYAWAKI, Arisa; TAKAHAMA, Kentaro; OYOSHI, Takanori
- 1PB-060** Metal-assisted stabilization of artificial DNA three-way junction structures: the effects of stereochemistry of the modified positions on the thermal stability (Grad. Sch. Sci., The Univ. of Tokyo) YONEDA, Shuhei; TAKEZAWA, Yusuke; DUPREY, Jean-louis; SHIONOYA, Mitsuhiro
- 1PB-061** The effect of 5-substitution of pyrimidine base in 3-cyanovinylcarbazole nucleoside mediated DNA photocrosslinking (Sch. Mat. Sci., JAIST) MURAMATSU, Hodaka; NAKAMURA, Shigetaka; SAKAMOTO, Takashi; FUJIMOTO, Kenzo
- 1PB-062** Fluorescence properties of DNA triplexes containing GFP chromophore and tuning of the triplex structure (Grad. Sch. Biosci. Biotech., Tokyo Tech) KANAMORI, Takashi; TAKAMURA, Akihiro; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 1PB-063** Synthesis and fluorescence properties of 7-deazahypoxanthine with benzofuran ring (Grad. Sch. Biosci. Biotech., Tokyo Tech) TOKUGAWA, Munefumi; KANEKO, Kazuhei; SAITO, Masanori; KANAMORI, Takashi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 1PB-064** Light-Control of Transcription with a Mismatch-Binding Protein MutS (Grad. Sch. Biosci. Biotech., Tokyo Tech) OHNO, Yurie; KANAMORI, Takashi; MASAKI, Yoshiaki; TSUNODA, Hirotsuke; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 1PB-065** Development of molecular probe for multimode imaging of nucleic acids (Sch. Mat. Sci., JAIST) WAKIDA, Kazuaki; SAKAMOTO, Takashi; FUJIMOTO, Kenzo
- 1PB-066** Development of DNA-templated chemical ligation method via hemiaminal formation (Grad. Sch. Biosci. Biotech., Tokyo Tech) MASAKI, Yoshiaki; YOSHIMURA, Kiichi
- 1PB-067** Synthesis and properties of 7-(1-phenyltriazol-4-yl)-7-deazaguanosine analogues (Grad. Sch. Biosci. Biotech., Tokyo Tech) TOKUGAWA, Munefumi; KANAMORI, Takashi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; WILHELMSSON, Marcus; GROTLI, Morten; SEIO, Kohji
- 1PB-068** Studies on the effects of arginine residues introduced to peptide ribonucleic acids (PRNA) toward the improvement of cell membrane permeability (IMRAM, Tohoku Univ.) SUGAI, Hiroka; ONODERA, Keiko; NISHIO, Akihiro; SAKAMOTO, Seiji; ARAKI, Yasuyuki; INOUE, Yoshihisa; WADA, Takehiko
- 1PB-069** Formation and stabilities of DNA duplexes containing metal ions-effects of base structures and sequences (Fac. Eng., Kanagawa Univ.) ANDO, Yuki; USHIWATA, Aya; TSUSHIMA, Saori; SANEYOSHI, Hisao; ONO, Akira
- 1PB-070** To connect cell by DNA forming G-quadruplex (Fac. Med., Univ. of Miyazaki) LIU, Hongshan; ISHIZUKA, Takumi; XU, Yan
- 1PB-071** ¹⁹F-labeled telomere RNA G-quadruplex structure (Fac. Med., Univ. of Miyazaki) BAO, Hongliang; ISHIZUKA, Takumi; XU, Yan
- 1PB-072** Recognition of a single-base mismatch in DNA by intercalator-modified peptide nucleic acid (ISIR, Osaka Univ.) OKAZAKI, Mikio; KAIHATSU, Kunihiko; HAYASHI, Tenko; KATO, Nobuo; SAWADA, Shinjiro
- 1PB-073** Synthesis and evaluation of novel boronic acids interacting with nucleic bases. (Fac. Sci., Toho Univ.) YAMAJI, Miho; SAITO, Ryota; SASAKI, Kaname
- 1PB-074** Synthesis and photophysical properties of 8-aza-7-deazapurin-2,6-

- diamine derivatives (Sch. Eng., Nihon Univ.) YAMASAKA, Yuki; SUZUKI, Azusa; YAMAUCHI, Takumi; SAITO, Isao; SAITO, Yoshio
- 1PB-075** Synthesis of Pyrimidine Nucleosides via N-Glycosylation Catalyzed by the Oxazolium Perchlorate Derivative (Grad. Sch. Info. Sci., Nagoya Univ.) MORITA, Hiroki; SHIROUZU, Hiroshi; TSUKAMOTO, Masaki
- 1PB-076** Promotion of the Activities of Photosynthesis and Respiration of a Freshwater Green Alga by Cyclic Bis(3'-5')diadenylic Acid (c-di-AMP) Analogs (Grad. Sch. Info. Sci., Nagoya Univ.) TEZUKA, Takafumi; MORITA, Hiroki; SHIROUZU, Hiroshi; ISHIDA, Keigo; SUZUKI, Noritaka; TSUKAMOTO, Masaki
- 1PB-077** DNA-templated formation of luminescent lanthanide complexes on repetitive sequence (Grad. Sch. Sci. Technol., Kumamoto Univ.) KITAMURA, Yusuke; OZAKI, Rie; IHARA, Toshihiro
- 1PB-078** Production and fluorescence imaging of RNA aptamers which bind to an environmentally sensitive fluorophore Dapoxyl in *E. coli*. (TUT) AKABA, Hiroshi; HYUGA, Masumi; KATO, Teru
- 1PB-079** Duplex-formation properties of peptide nucleic acid modified with non-natural pyrimidine bases (ISIR, Osaka Univ.) TAKAGI, Kenji; KAIHATSU, Kunihiko; ZHOU, Yiting; KATO, Nobuo
- 1PB-080** Syntheses of azido fluorescein-modified nucleotides and their application to specific target detections (Grad. Sch. Eng., Gunma Univ.) MIKAMI, Ryosuke; KUWAHARA, Masayasu
- 1PB-081** Design and synthesis of dimeric small molecules binding to loop structure of RNA (Sch. Sci., Osaka Univ.) TSUDA, Tetsuya; AIKAWA, Haruo; NAKATANI, Kazuhiko
- 1PB-082** Enzymatic activity of GSK-3 correlate with insulin receptor inhibition by Grb14 (Kurume Univ. Sch. of Med.) TAIRA, Junichi; HIGASHIMOTO, Yuichiro
- 1PB-083** Enzymatic activity of protein phosphatase 5 is facilitated by physical interaction with caveolin-1 (Kurume Univ. Sch. of Med.) HIGASHIMOTO, Yuichiro; TAIRA, Junichi
- 1PB-084** Synthesis and characterization of self-assembled .BETA.-strand peptide tandem dimers connected with various alkyl linkers. (Fac. Sci. Tech., Ryukoku Univ.) TANAKA, Atsushi; IMAI, Takahito; TOMIZAKI, Kin-ya
- 1PB-085** Single mutant of Leu77 fluctuating on the surface of heme oxygenase shows lower affinity for biliverdin (Kurume Univ. Sch. of Med.) HARADA, Jiro; SATO, Hideaki; SUGISHIMA, Masakazu; HARADA, Erisa; HIGASHIMOTO, Yuichiro; SUGASE, Kenji; NOGUCHI, Masato
- 1PB-086** Adhesion analysis of the nanofiber protein AtaA from a highly adhesive bacterium using quartz crystal microbalance (Grad. Sch. Eng., Nagoya Univ.) YOSHIMOTO, Shogo; NAKATANI, Hajime; NORSHARIFFUDIN, Nur 'izzah; KOIWA, Kotaro; SUZUKI, Atsuo; HORI, Katsutoshi
- 1PB-087** Development and Activity Study of Hybrid Proteins Bearing Synthetic Molecules (IMRAM, Tohoku Univ.) MIURA, Saori; MURAOKA, Takahiro; UI, Mihoko; TAKAHASHI, Hiroto; KINBARA, Kazushi
- 1PB-088** Characteristics of Eye-lens Crystallins -screening results towards material use- (Grad. Sch. Eng., Osaka Univ.) FURUYAMA, Akiho; YOKOI, Takahiro; UEDA, Mitsuyoshi; TAMIYA, Eiichi
- 1PB-089** Screening of organic-material binding peptides by means of phage display method (Sch. Eng., Tohoku Univ.) TAKASE, Kazuhiro; NAKAZAWA, Hikaru; ISHIGAKI, Yuri; UMETSU, Mitsuo
- 1PB-090** Programmed Release of Functional Molecules Utilizing a Tandem Amide Bond Cleavage Reaction (Grad. Sch. Pharm., The Univ. of Tokyo; JST-ERATO) TANABE, Kana; SOHMA, Youhei; KANAI, Motomu
- 1PB-091** Development of soft materials with the engineered photoresponsive protein module (IMRAM, Tohoku Univ.) MIYAUCHI, Yusuke; UI, Mihoko; MURAKAMI, Makoto; ARAKI, Yasuyuki; WADA, Takehiko; KINBARA, Kazushi
- 1PB-092** Successive Electron Transfers in a Supramolecular Hemoprotein Assembling System (Grad. Sch. Eng., Osaka Univ.) KAJIHARA, Ryota; FUJIMAKI, Nishiki; OOHORA, Koji; HAYASHI, Takashi
- 1PB-093** Modification of hydroxy apatite by collagen model peptide (Ryukoku Univ. Science and Technology) GODA, Itsuki; IMAI, Takahito
- 1PB-094** Identification of new allosteric inhibitor for A_{2A} receptor (Grad. Sch. Sci., Chiba Univ.) TAKAMUKU, Yuki; SUENAGA, Atsushi; MIZUTANI, Kenji; MURATA, Takeshi
- 1PB-095** Preparation and Characterization of Locked Triple-Stranded Coiled-coil Protein for Coordination of the Ruthenium (Nagoya Inst. of Tech. Graduate School of Eng) TSUGE, Hiroyuki; TANAKA, Toshiaki
- 1PB-096** A multispecific and multivalent small antibody: spontaneous dimerization of scFv with single camel VHH fused (Sch. Eng., Tohoku Univ.) FUJII, Hiroto; SUJINO, Takuma; NAKAZAWA, Hikaru; MANABE, Noriyoshi; ASANO, Ryutarō; KUMAGAI, Izumi; UMETSU, Mitsuo
- 1PB-097** Development of novel solubilization surfactants, enabling selective extraction of target membrane proteins through the resolubilization process. (Nagoya Inst. of Tech.) SHIBATA, Masahide; KOEDA, Shuhei; MIZUNO, Toshihisa; NOJI, Tomoyasu; KAWAKAMI, Keisuke; DEWA, Takehisa; TANAKA, Toshiaki; KAMIYA, Nobuo; NANGO, Mamoru
- 1PB-098** Structural and Functional Analysis of Acetophenone reductase from *Geotrichum candidum* NBRC 4597 (Grad. Sch. Biosci. Biotech., Tokyo Tech) SUGIYAMA, Yosuke; YOKOYAMA, Eri; MATSUDA, Tomoko
- 1PB-099** Preparation of Heme-containing *de Novo* Protein with Alkyne Groups as Modification Sites on the Terminals of the Peptides (Grad. Sch. Eng., Osaka Univ.) KOGAWA, Taisuke; OOHORA, Koji; HAYASHI, Takashi
- 1PB-100** Development of novel Baeyer-Villiger oxidation by *Fusarium* sp. (Grad. Sch. Biosci. Biotech., Tokyo Tech) MASUDA, Ayaka; KAWAGUCHI, Nozomi; HIRUKAWA, Ayana; NOMURA, Nobuo; FUKUI, Shusuke; KITAYAMA, Takashi; KATO, Dai-ichiro; FUJII, Mikio; MATSUDA, Tomoko
- 1PB-101** Photosynthetic pigments of astaxanthin-producing lettuce (Fac. Sci., Osaka City Univ.) NAMI, Ymano; RITSUKO, Fujii; IFUKU, Kentaro; MISAWA, Norihiko; HASHIMOTO, Hideki
- 1PB-102** Design of an artificial protein by the use of a minimal protein (AIST Biomedical Research Institute) WATANABE, Hideki; YAMASAKI, Kazuhiko; HONDA, Shinya
- 1PB-103** Characterization of antigen-loaded peptide nanofibers for cancer immunotherapy (KIT) SUGIMURA, Yuri; NISHIGAKI, Saki; WAKU, Tomonori; KUNUGI, Shigeru; TANAKA, Naoki
- 1PB-104** Synthetic studies on cyclodextrin amphiphiles (Kansai Univ.) NASU, Kouichi; OKAMURA, Shunsuke; TAMURA, Hiroshi; FURUIKE, Tetsuya
- 1PB-105** Preparation of inclusion complex of GlycoCD with fullerene C60 (Fac. Chem. Materials and Bioeng., Kansai Univ.) TANAHASHI, Kousuke; TAMURA, Hiroshi; HURUIKE, Tetsuya
- 1PB-106** Glycosylated tris-bipyridine ferrous complexes for probing carbohydrate-carbohydrate interactions (Fac. Life Sci., Toyo Univ.) HASEGAWA, Teruaki; URUNO, Ryuhei; TSUTSUMI, Mayuka; NAKAMURA, Motomi; ISHIKAWA, Yoshiaki
- 1PB-107** Synthesis of sugar derivatives using cycloaddition reaction (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) MOHRI, Ryutarō; SHIRAIISHI, Naoki; IZUMOTO, Akira; HASHIMOTO, Yu; MATUMOTO, Nobuyuki; TAGUCHI, Yoshinori; NAKAO, Keisuke; TANAKA, Masashi; KITAYAMA, Takashi
- 1PB-108** Synthesis of Novel Lactosaminyl Lipids Bearing a Ferrocenyl Group (AIST Biomedical Research Institute) MURAKAMI, Teiichi; SATO, Yukari; TANAKA, Mutsuo
- 1PB-109** Preparation of Cerasome-Hydrophobic Vitamin B12 Nanohybrid and Its Function as a Molecular Information Processing Interface (Grad. Sch. Mat. Sci., NAIST; Liaoning University College of Chemistry; Grad. Sch. Eng., Kyushu Univ.) SUGIMOTO, Manabu; QIAO, Yun; TAHARA, Keishiro; ZHANG, Qian; SONG, Xi-ming; HISAEDA, Yoshio; KIKUCHI, Jun-ichi
- 1PB-110** Cell-penetrative oligopeptide possessing a hydrophobic pyrene group (Ryukoku Univ.) MIYATAKE, Tomohiro; YAMAZAKI, Shohei; MATILE, Stefan
- 1PB-111** Visualization of Lipid Raft Membrane by Flavin Probes (Univ. of Toyama Frontier Research Core for the Life Sciences) SHISHINO, Hisae; OKA, Yoshimi
- 1PB-112** Analysis of expressed genes in single jurkat cells isolated by microfluidic disc (Fac. Eng., Soka Univ.) SHOZEN, Naoki; FURUTANI, Shunsuke; AOYAMA, Yuri; KUBO, Izumi
- 1PB-113** Fluidic analysis of asparagine using enzyme reactions coupled with spectrophotometric detection (Hiroshima City Univ. Center for Industry and Public Relations) KUGIMIYA, Akimitsu; BABE, Fumie; FUKADA, Rie
- 1PB-114** Construction of bioluminescent *Escherichia coli* cell system for sensing of toxic substances in environmental water (KIT) IHARA, Yutaka; OKAMATO, Daiki; KARATANI, Hajime
- 1PB-115** Synthesis and biochemical assessment of photosensitizer toward photodynamic therapy (Yonago Nat. Coll. of Tech.) NONOMURA, Takuya
- 1PB-116** Synthesis of PET imaging possible BSH-peptide for boron neutron capture therapy (Okayama Univ. Grad. Sch. Med. Dent. and Phar. Sci.) IGUCHI, Yoshiya; MICHIE, Hiroyuki; KITAMATSU, Mizuki; OHMORI, Iori; NISHIKI, Tei-ichi; MATSUI, Hideki
- 1PB-117** Features of human antibody light chain belonging to subgroup II (Grad. Sch. Eng., Oita Univ.) TOMOOKA, Miyuki; MORIYAMA, Kazuki; KUSUNOKI, Tomoya; FUJIMOTO, Naoko; HIFUMI, Emi; UDA, Taizo
- 1PB-118** Synthesis of Gallotannins with Pancreatic Lipase Inhibitory Activity (Grad. Sch. Sci., Osaka Pref. Univ.) NISHIDA, Kotaro; IHAYA, Kota; UJIGAWA, Kazuma; KOJIMA, Hideo
- 1PB-119** Resolution of alcohols using *Carica papaya* lipase (3) (Konan Univ.) MIYAZAWA, Toshifumi; UEDA, Atsushi; KAWABE, Issei; DANJO, Hiroshi
- 1PB-120** Withdrawn
- 1PB-121** Light-induced hydrogen production by Photosystem I/Pt nanoparticle complex immobilized in nanoporous glass substrate (Nagoya Inst. of Tech. Department of Frontier Materials) SUZUKI, Takanao; NOJI, Tomoyasu; KONDO, Masaharu; KAWAKAMI, Keisuke; OKA, Hirozo; IKEUCHI, Masahiko; YOSHINO, Hiroaki; JIN, Tetsuro; NANGO, Mamoru; DEWA, Takehisa
- 1PB-122** Development of lipase catalyzed carbonyl α -substitution reactions and their application to domino reaction. (MURORAN INST. OF TECH.) SANO, Kaoru; HIROSE, Yoshihiko; KOHARI, Yoshihito; SEKI, Chigusa; NAKANO, Hiroto; TOKIWA, Michio; TAKESHITA, Mitsuhiro; UWAI, Koji

- 1PB-123** Polymeric microfluidic device for size-based and affinity-based Cell Separation (TITC) TAKATA, Koji; OHNAGA, Takashi; OBATA, Tsutomu
- 1PB-124** Membrane transport of Guanidinocalix[4]arenes (Aichi Inst. of Tech.) SUDA, Yuuya; KUGIMIYA, Shinichi
- 1PB-125** Study for the construction of the screening system for histone methyltransferase activity (IBB, Tokyo Med. and Dental Univ.) FUJIWARA, Takashi; TAKAGUCHI, Asuka; MORI, Syuichi; HIRANO, Tomoya; KAGECHIKA, Hiroyuki

Chemical Biology

- 1PB-127** Efficient synthesis of Masu Salmon's pheromone and its analogues for the SAR study (Fac. Textile Sci. Technol., Shinshu Univ.) NISHII, Yoshinori; ONO, Kotaro; SAKUMA, Daichi; YAMBE, Hidenobu
- 1PB-128** Stabilizing Effects of 16-Substituted Fusicocin Derivatives on 14-3-3 Protein/Phosphopeptides Complexes (ISIR, Osaka Univ.) YONEYAMA, Toru; HIGUCHI, Yusuke; NITTA, Hajime; KATO, Nobuo
- 1PB-129** Synthesis of a fluorescently labeled analog of antitumor saponin OSW-1 (Fac. Eng., Tokyo Univ. of Agri. and Technol.) HIRAIZUMI, Masato; TAKESITA, Tomoya; YAMADA, Rika; INAHARA, Masahiro; SAKURAI, Kaori
- 1PB-130** Development of glycolipid nanoprobe for efficient enrichment of carbohydrate binding proteins (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) INAHARA, Masahiro; OKADA, Ayumi; SAKURAI, Kaori
- 1PB-131** Synthesis and fluorescence of boron complexes of 4-aryl-2-(2-pyridyl) pyrrole (Grad. Sch. Eng., Utsunomiya Univ.) OBA, Toru; KOZAKAI, Kouhei; SHIMA, Hiroko; ITO, Satoshi
- 1PB-132** The effects of surface chemical modification of nanoparticles in living cells on the intracellular dynamics and excretion from the cells (Grad. Sch. Eng., Kyoto Univ.) NAKAMURA, Takuma; ITO, Takeo; KURIHARA, Ryohsuke; KUSAKA, Eriko
- 1PB-133** Structural and Spectroscopic Properties of Collagen Peptide labeled with NIR Fluorescent Dye (Komazawa University Faculty of Health Science) KOBAYASHI, Tsukasa; OKADA, Tomoko
- 1PB-134** Development of MALDI-TOF MS-based high-throughput assay system for sphingolipid synthase inhibitors (Grad. Sch. Life Sci., Hokkaido Univ.) TAKIGUCHI, Shingo; MOSTAFA A. S., Hammam; SUGA, Yoshiko; MONDE, Kenji
- 1PB-135** VCD analysis of all synthetic isomers of D609; a study of its biological activity (Grad. Sch. Life Sci., Hokkaido Univ.) KATO, Mikako; HAMMAM, Mostafa; TANIGUCHI, Tohru; MONDE, Kenji
- 1PB-136** Two-photon absorption property of Iridium(III) complex containing bis(2-(2'-benzothienyl)-pyridine) and β -diketone derivative ligands (Fac. Sci., Yamaguchi Univ.) FUJI, Akinari; MORITOMO, Hiroki; SATOMI, Koichiro; SUZUKI, Yasutaka; KAWAMATA, Jun
- 1PB-137** Development of Zinc-selective Fluorescent Sensor for Covalent Labeling of Mitochondrial Proteins (Fac. Integrated Human Studies, Kyoto Univ.) ASAI, Hisashi; TAKI, Masayasu; AKAOKA, Kazushi; YAMAMOTO, Yukio
- 1PB-138** Development of fluorescence probes for glycoside hydrolases using pterin derivatives (Nagahama Institute of Bio-Science and Technology) MATSUMOTO, Minako; KAWAI, Yasushi

Environmental and Green Chemistry, Geo and Space Chemistry

- 1PB-141** Purification of thiuram-contaminated water using carboxymethyl cellulose stabilized Fe nanoparticles (Grad. Sch. Eng., Mie Univ.) SUGIYAMA, Tomoki; MATSUURA, Yuki; KATSUMATA, Hideyuki; SUZUKI, Tohru; KANECO, Satoshi
- 1PB-142** Treatment of EDTA wastewater by degradation with photocatalyst and adsorption with activated carbon (Grad. Sch. Eng., Mie Univ.) SUGIYAMA, Tomoki; SHIBATA, Risa; KATSUMATA, Hideyuki; SUZUKI, Tohru; KANECO, Satoshi
- 1PB-143** Determination of Cd in aqueous solution using preconcentration with graphite powders followed by FAAS (Grad. Sch. Eng., Mie Univ.) ISSHIKI, Katsuyuki; KATSUMATA, Hideyuki; SUZUKI, Tohru; KANECO, Satoshi
- 1PB-144** Syntheses of Lactones from Aromatic Diacid Compounds in Acetonitrile Solution with Decarbonation by TiO₂-Photocatalytic Reactions (Osaka Prefecture Univ. Coll. of Tech.) OKETANI, Ryusei; HIGASHIDA, Suguru; MATSUMURA, Michio
- 1PB-145** Effect of Additive Agents on the Partial Oxidation of *trans*-Stilbene Using a TiO₂ Photocatalyst (Osaka Prefecture Univ. Coll. of Tech.) MIYAKE, Teruyuki; HIGASHIDA, Suguru; MATSUMURA, Michio
- 1PB-146** Synthesis of Acetophenone from Ethylbenzene Using a TiO₂ Photocatalyst (Osaka Prefecture Univ. Coll. of Tech.) MIYAGAWA, Kazuya; HIGASHIDA, Suguru; MATSUMURA, Michio
- 1PB-147** The reduction of nitrate by iodide ion as one possibility of NO_y escape from snow ice (Grad. Sch. Eng., Osaka Pref. Univ.) NORO, Kazushi; TAKENAKA, Norimichi
- 1PB-148** Fate of weak acid ions when dew dries and effect to ozone concentration in the process of dew drying (Grad. Sch. Eng., Osaka Pref. Univ.) CHIKAMORI, Noriaki; TAKENAKA, Norimichi

- 1PB-149** Improvement of a visual type NO₂ passive sampler by internal standard method. (home) AMAYA, Kazuo
- 1PB-150** Reevaluation of mutagenicity of several PAHs and oxy-PAH present in atmospheric environment (Fac. Eng., KAIT; Kyoto Univ. Res Centr Environ Quality Management; Ehime Univ. CMES) TAKAMURA, Takeji; MISAKI, Kentaro; OGINO, Masahiro
- 1PB-151** Development of visual analysis of trace amount of lead (II) ion based on autocatalytic reaction with Na₂SO₃ and H₂O₂ (Toyama Nat. Coll. Technol. advanced course; PerkinElmer Japan Marketing & Application Research Lab Analytical Science; Coll. Eng., Ibaraki Univ.) MANAKA, Atsushi; SIMAKURA, Shun; FURUKAWA, Makoto; IGARASHI, Shukuro
- 1PB-152** Simply method for phosphorus removal using an iron electrode (Tokyo Gakugei Univ.) NAKANO, Yutaro; KOSAKA, Tomomi
- 1PB-153** Utilization of activated sludge for fluoride removal (Industrial Research Institute, AITC) KIKUCHI, Tooru; YAMAGUCHI, Shinya; UCHISAWA, Hidemitsu
- 1PB-154** Study of Toxicity and Quantitative Structure-Activity Relationship of halogenated anilines (Sch. Sci., Tokai Univ.) NAKAGAWA, Sachiko; ISHIHARA, Yoshimi; TAKANO, Jiro
- 1PB-155** Effect of tri-methyl- β -cyclodextrin on degradation of tetrabromobiphenyl A by potassium monopersulfate catalyzed with an iron(III)-porphyrin (Grad. Sch. Eng., Hokkaido Univ.; Sch. Eng., Hokkaido Univ.) MIYAMOTO, Takafumi; MAENO, Shohei; ZHU, Qianqian; MITSUHASHI, Takeshi; FUKUSHIMA, Masami
- 1PB-156[#]** Oxidative degradation of Tribromophenol catalyzed by Fe₃O₄ supported iron(III) porphyrin catalyst (Sch. Eng., Hokkaido Univ.) ZHU, Qianqian; NISHIMOTO, Ryo; MAENO, Shohei; MIYAMOTO, Takafumi; FUKUSHIMA, Masami
- 1PB-157** Decomposition of perfluorinated ionic liquid anions using steel slag and subcritical water. (Fac. Sci., Kanagawa Univ.; Grad. Sch. Eng. Sci., Kyushu Univ.) TAKAHASHI, Akihiro; SAKAMOTO, Takehiko; EINAGA, Hisahiro; HORI, Hisao
- 1PB-158** Preparation of woody biomass functional material having carboxyl group and its characterization. (Coll. Eng., Chubu Univ.) MIZUNO, Yuuya; SUZUKI, Takuya; SUZUKI, Masashi; MIYAUCHI, Toshiyuki
- 1PB-159** Molecular mechanism of distillation by the microwave non-equilibrium heating (KIT Faculty of CSSE) IWAHASHI, Nobuyuki; ABE, Makiko; OHUCHI, Shokichi
- 1PB-160** Molecular mechanism on essential oil extraction from citrus fruits by the microwave heating (KIT Faculty of CSSE) WATANABE, Akira; HARAGUCHI, Shunichi; IWAHASHI, Nobuyuki; ABE, Makiko; OHUCHI, Shokichi
- 1PB-161** Decomposition of PVDF in subcritical water by use of hydrogen peroxide (Fac. Sci., Kanagawa Univ.) TANAKA, Hirotsuka; HORI, Hisao
- 1PB-162** The study of photocatalysis by fluorescence probe method with addition of different organics (Nagaoka Univ. of Tech.) ZHANG, Jie; NOSAKA, Yoshio
- 1PB-163** Study on the degradation of pyrene in the excrement of *Marphysa sanguinea* (Fac. Sci., Toho Univ.) ONOZATO, Mayu; YOSHIMURA, Sawako; NISHIGAKI, Atsuko

Thursday, March 27, PM

(15 : 00~16 : 30)

Physical Organic Chemistry -Structures and Properties-

- 1PC-001** Regio selective O-alkylation of hexahomotrioxacalix[3]arenes (Grad. Sch. Sci. Eng., Saga Univ.) IKEJIRI, Yusuke; YAMATO, Takehiko
- 1PC-002** Investigation of Diels-Alder Reaction of Diacenaphtho[1,2-b:1',2'-d]thiophene and Maleimides (Sch. Eng., Univ. of Hyogo) MORII, Takuya; OZOE, Hiroaki; NISHIDA, Jun-ichi; KITAMURA, Chitoshi; KAWASE, Takeshi
- 1PC-003** Synthesis and properties of functionalized acenaphtho[1,2-j]fluoranthene-4,5-dicarboxylic imides (Grad. Sch. Eng., Univ. of Hyogo) OZOE, Hiroaki; MORII, Takuya; NISHIDA, Jun-ichi; KAWASE, Takeshi
- 1PC-004** Preparation and properties of bis(indroquinoxaline)s (Nagoya Municipal Industrial Research Institute; Chem. Res. Lab., Tokyo Tech) HAYASHI, Hideki; KOIZUMI, Take-aki
- 1PC-005** Construction of Indenone Skeletons by Ring-Closing Reaction of Arylacetylenes (Sch. Eng., Univ. of Hyogo) FUKUOKA, Yoshiaki; NISHIDA, Jun-ichi; KAWASE, Takeshi
- 1PC-006** Synthesis and properties of quinalone-ethynylene polymer (Chiba Inst. of Tech.) AKIYAMA, Taiki; SHIMASAKI, Toshiaki; TERAMOTO, Naozumi; SHIBATA, Mitsuhiro
- 1PC-007** Synthesis, Physical Properties, and Structure of TIPS-difuranoasenes (I₂CNER, Kyushu Univ.) WATANABE, Motonori; GOTO, Kenta; SHIBAHARA, Masahiko; SHINMYOZU, Teruo; CHOW, Tashin j
- 1PC-008** Molecular structure and electronic properties of π -extended indacene quinones and their tetracyanoquinodimethanes (Grad. Sch. Eng., Univ. of Hyogo) IRIE, Hironobu; NISHIDA, Jun-ichi; KITAMURA, Chitoshi; KAWASE, Takeshi
- 1PC-009** Synthesis and Properties of *as*-Indacenodithiophenediones (Grad. Sch. Eng. Sci., Osaka Univ.) MIYOSHI, Hirokazu; NOBUSUE, Shunpei;

- TOBE, Yoshito
- 1PC-010** Synthesis and properties of bis-quinolinyl thiophene derivatives - 2,5 using isocyanide-acetylene cyclization reaction (Chiba Inst. of Tech.) YAMAZAKI, Taihei; SIMASAKI, Tosiaki; SIBATA, Mituhiro
- 1PC-011** Synthesis and properties of star-shaped π -conjugation extended 1,3,5-trifluorenylbenzene derivatives (Chiba Inst. of Tech.) TOMIZUKA, Masayoshi; SHIMASAKI, Toshiaki; SHIBATA, Mitsuhiko
- 1PC-012** Synthesis and properties of phosphole-annulated bisphenalenyls (Sch. Sci., Osaka Univ.) MORI, Yuki; MIURA, Yohei; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi
- 1PC-013** Photophysical Properties and Electron Transfer Reduction of Coroneneimide Derivatives for Photoinduced Electron Transfer (Fac. Sci. Tech., Keio Univ.; Grad. Sch. Eng., Osaka Univ.; ALCA, JST) IDA, Koichi; SAKAI, Hayato; OHKUBO, Kei; FUKUZUMI, Shunichi; HASOBE, Taku
- 1PC-014** Synthesis and physical properties of fused pyrene trimers (Grad. Sch. Mat. Sci., NAIST; JST CREST) TAMOTO, Akira; ARATANI, Naoki; YAMADA, Hiroko
- 1PC-015** Synthesis and Properties of Highly Closed Anthracene Dimer (Sch. Sci., Osaka Univ.) UNO, Shinya; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi
- 1PC-016** Synthesis, spectroscopic and electrochemical properties of diazapyrene and diazabenzopyrene derivatives (Fac. Sci. Tech., Keio Univ.) TOKUO, Kokichi; SAKAI, Hayato; HASOBE, Taku
- 1PC-017** Synthesis of axially chiral macrocyclic compounds bearing bisimidazole derivative by ring-closing metathesis (Grad. Sch. Eng., Kobe Univ.) OKAYAMA, Yoichi; TSUIJI, Satoru; MORI, Atsunori
- 1PC-018** Molecular structure and chiroptical properties of oligophenylene having chiral pseudo-ortho[2,2]-paracyclophane (Sch. Sci., Kitasato Univ.) SASAKI, Hiroaki; KOBAYAKAWA, Kousuke; MATSUZAWA, Hideyo; HASEGAWA, Masashi; MAZAKI, Yasuhiro
- 1PC-019** Synthesis and Properties of A Cyclic Polyphenylene Compound Aimed for the Bottom-up Synthesis of Chiral-Type Carbon Nanotube Segment (Grad. Sch. Sci. Tech., Hirosaki Univ.) SEKIGUCHI, Ryuta; KUDO, Shun; KAWAKAMI, Jun; ITO, Shunji
- 1PC-020** Synthesis of condensed polycyclic compounds having an acenaphthylene frame (Grad. Sch. Eng., Univ. of Hyogo) MATSUURA, Kazuma; NISHIDA, Jun-ichi; KAWASE, Takeshi
- 1PC-021** Synthesis and properties of novel orthogonalized bis-DT-Br-[3,3] metacyclophanes (Nagoya Inst. of Tech. Graduate School of Engineering; Okayama Univ. of Sci. Faculty of Science; IMCE, Kyushu Univ.; Japan Women's University Faculty of Science) NAKAMURA, Koji; SENGA, Kenzo; IWANAGA, Tetsuo; TOYOTA, Shinji; SHINMYOZU, Teruo; TAKEMURA, Hiroyuki; SHIOTSUKA, Michito; SAKO, Katsuya
- 1PC-022** Synthesis and Properties of A Cyclic Polyphenylene Compound Aimed for the Construction of Zigzag-Type Carbon Nanotube Segment (Grad. Sch. Sci. Tech., Hirosaki Univ.; Grad. Sch. Eng., Osaka Pref. Univ.) SEKIGUCHI, Ryuta; SAKAI, Atsushi; IKEDA, Hiroshi; KAWAKAMI, Jun; ITO, Shunji
- 1PC-023** Synthesis of peripherally protected teranthene (Sch. Sci., Osaka Univ.) TSUBOTA, Takuya; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KUBO, Takashi
- 1PC-024** Synthesis and characterization of helically annulated polyaromatic hydrocarbons (Grad. Sch. Eng., Kyoto Univ.) UCHIDA, Yosuke; HIROSE, Takashi; MATSUDA, Kenji
- 1PC-025** Structural and circularly polarized luminescence properties of C,N-dialkylated quinoxaline unit-fused [7]helicene derivatives (Fac. Sci. Tech., Keio Univ.; Grad. Sch. Mat. Sci., NAIST; IMRAM, Tohoku Univ.; Sch. Advanced Sci. Eng., Waseda Univ.) SHINTO, Sho; SAKAI, Hayato; KUMAR, Jatish; ARAKI, Yasuyuki; WADA, Takehiko; TAKENOBU, Taishi; KAWAI, Tsuyoshi; HASOBE, Taku
- 1PC-026** Synthesis and Properties of new 1,6-didehydro[10]annulene (Sch. Sci., Osaka Univ.) FUJII, Kenshiro; NISHIUCHI, Tomohiko; HIRAO, Yasukazu; KUBO, Takashi
- 1PC-027** Synthesis and Properties of Pyrene-fused Dehydro[12]- and [18] annulenes (Grad. Sch. Eng., Gunma Univ.) YAMAMOTO, Ryuichiro; KATO, Shin-ichiro; NAKAMURA, Yosuke
- 1PC-028** Development of Synthetic Protocol for Peripentacene Frameworks (Grad. Sch. Mat. Sci., NAIST; JST CREST) MATSUMOTO, Akinobu; ARANANI, Naoki; YAMADA, Hiroko
- 1PC-029** Synthesis and supramolecular structure of dodecahydrotribenzo [18]annulene derivatives with carboxy groups (Grad. Sch. Eng., Osaka Univ.) NAKAGAWA, Shoichi; HISAKI, Ichiro; TOHNAI, Norimitsu; MIYATA, Mikiji
- 1PC-030** Oligomerization of cyclic tetrathiophene with antiaromatic COT ring (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) NAKAJO, Ryosuke; AITA, Kazunari; TAKASE, Masayoshi; NOMURA, Kotohiro; NISHINAGA, Tohru
- 1PC-031** Synthesis and spectroscopic properties of monoaza-crownether derivatives having a 1-azazulen-2-yl group (Fac. Sci., Shinshu Univ.; Grad. Sch. Sci. Eng., Univ. of Toyama) KUMAI, Yoshimitsu; SATO, Tomomasa; MIYATAKE, Ryuta; ODA, Mitsunori
- 1PC-032** Synthesis and properties of a naphthalene diimide derivative tetra-substituted by azulenyl groups (Grad. Sch. Sci., Kyushu Univ.; IMCE, Kyushu Univ.; Grad. Sch. Med., Yamaguchi Univ.) TAKESUE, Moritaka; SHINMYOZU, Teruo; MURAFUJI, Toshihiro; TANI, Fumito
- 1PC-033** Synthesis and properties of binuclear ruthenium(II) complex with azulene ligand (Sch. Sci., Kitasato Univ.) KAMINAGA, Mutsumi; TSUCHIYA, Takahiro; MAZAKI, Yasuhiro
- 1PC-034** Photophysical Properties of *N*-Azulen-2-yl-naphthalimides (Gunma N.C.T. Dept. of Chem. and Mater. Sci.) KUBO, Shosei; NAKAJIMA, Satoshi
- 1PC-035** Synthesis of ketolactam open-cage fullerenes by oxidation with O₃ (Grad. Sch. Fac. Sci., Kanagawa Univ.) TANAKA, Teruhiko; SHINOZAKI, Yuuki; KABE, Yoshio
- 1PC-036** Synthesis and guest molecule encapsulation of hemicyrptophane derivatives (Sch. Eng., Osaka Pref. Univ.) KATAYAMA, Natsuki; MAKITA, Yoshimasa; FUJIWARA, Shin-ichi; OGAWA, Akiya
- 1PC-037** Construction of the coordination capsule and the coordination polymer derived from the conformation of tridentate ligands linked with sulfonamide or amide (Grad. Sch. Eng., Tokushima Bunri Univ.) SAKAI, Takahiro; KATAGIRI, Kosuke; HISHIKAWA, Maiko; MASU, Hyuma; TOMINAGA, Masahide; YAMAGUCHI, Kentaro; AZUMAYA, Isao
- 1PC-038** Synthesis of new pyromellitic diimide-based macrocycle oligomers (IMCE, Kyushu Univ.; Grad. Sch. Sci., Kyushu Univ.) KITAKA, Naoki; TAO, Keisuke; GOTO, Kenta; SHINMYOZU, Teruo
- 1PC-039** Construction of Novel Proton-Electron Donor Complex for a Proton-Coupled Electron Transfer (Sch. Sci., Osaka Univ.) TACHIBANA, Naoki; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KUBO, Takashi
- 1PC-040[#]** Synthesis and Structural Analysis of Disilanyl Double-Pillared Bisheteroarenes (MANA, NIMS) NAKANISHI, Waka; SHIMADA, Yusuke; ISOBE, Hiroyuki
- 1PC-041** Organic Pigments derived from Ferulic acid (WINTEC) MIYAKE, Yasuhiro; MORI, Megumi; MORI, Hajime; TOKINO, Seiji
- 1PC-042** Anion Effect on Photophysical Properties of Sn(IV) N-Confused Porphyrin Complex (Fac. Eng., Kyushu Univ.) KITAMURA, Motoki; ISHIDA, Masatoshi; FURUTA, Hiroyuki
- 1PC-043** Photophysical and aggregation properties of porphyrin derivatives having oligoethylene glycol chains (Coll. Sci. Tech., Nihon Univ.) FUJIMOTO, Yusuke; SUGAWA, Kosuke; OTSUKI, Joe
- 1PC-044** Synthesis and Properties of Cyclic Diazaporphyrin Dimers (Grad. Sch. Sci., Kyushu Univ.) OZAKO, Shuwa; SHINMYOZU, Teruo; TANI, Fumito; MATANO, Yoshihiro
- 1PC-045** Synthesis of bis-porphyrin linked with perinaphthothioindigo (Fac. Eng., Univ. of Yamanashi) SATO, Masaki; OGAWA, Kazuya
- 1PC-046[#]** Synthesis and Properties of Trans Doubly N-Confused Porphyrins and Their Metal Complexes (Grad. Sch. Eng., Kyushu Univ.) YAN, Jiaying; TAKAKUSAKI, Makoto; ISHIDA, Masatoshi; FURUTA, Hiroyuki
- 1PC-047** Synthesis of Doubly N-Confused [26]Hexaphyrin(1.1.1.1.1.1) Bis-Pd (II) Complexes (Fac. Eng., Kyushu Univ.) OGASAHARA, Koki; GOKULNATH, Sabapathi; ISHIDA, Masatoshi; FURUTA, Hiroyuki
- 1PC-048** cis-trans isomerization using NH tautomerism of N-confused porphyrin (Grad. Sch. Eng., Kyushu Univ.) SAKASHITA, Ryuichi; TOGANOH, Motoki; FURUTA, Hiroyuki
- 1PC-049** Synthesis and properties of artificial allosteric receptors with a sterically-bulky shielding (Grad. Sch. Sci., Osaka City Univ.) NINOMIYA, Yoshikazu; KOZAKI, Masatoshi; SUZUKI, Syuichi; OKADA, Keiji
- 1PC-050** Synthesis and properties of metal complexes of pyrrolopyrrole-bridged aza-dipyrromethene (Sch. Sci., Tohoku Univ.) TAKAHASHI, Yuichi; IINO, Taku; SHIMIZU, Soji; KOBAYASHI, Nagao
- 1PC-051** Highly Selective Synthesis of Phthalocyanine Derivatives Utilizing Metal Complex Intermediates (Grad. Sch. Pharm., The Univ. of Tokyo; RIKEN ILS) SATO, Hajime; TAKITA, Ryo; YOSHIDA, Kengo; MURANAKA, Atsuya; UCHIYAMA, Masanobu
- 1PC-052** Synthesis of Butadiyne-Bridged Carbazole-Based Porphyrin Dimers (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MAEDA, Chihiro; TAKATA, Mototsugu; EMA, Tadashi
- 1PC-053** Synthesis and properties of acene-bridged porphyrin oligomers (Grad. Sch. Sci., Eng., Ehime Univ.) TAGAWA, Kazunari; MORI, Shigeki; NAKAE, Takahiro; OKUJIMA, Tetsuo; UNO, Hidemitsu
- 1PC-054** Synthesis and Characterization of *meso*-Hexakis(4-trifluoromethylphenyl)-substituted Hexaphyrin(1.1.1.1.1.1) (Fac. Eng., Kyushu Univ.) TSURUDA, Kunihiko; TAKENOSHITA, Yuichi; MORI, Shigeki; ISHIDA, Masatoshi; IKAWA, Yoshiya; FURUTA, Hiroyuki
- 1PC-055** Synthesis and Characterization of Triazolehemiporphyrazine Double-decker complex (Sch. Sci., Tohoku Univ.) SHITANDA, Sho; FURUYAMA, Taniyuki; KOBAYASHI, Nagao
- 1PC-056** Syntheses and properties of cyclic tetramers composed of carbazole and porphyrin (Fac. Eng., Univ. of Yamanashi) INATA, Shota; SHIMURA, Kyosuke; OGAWA, Kazuya
- 1PC-057** Synthesis and Properties of Conjugation-Expanded Porphyrin with Electron-Withdrawing Substituent at the *meso*-position (Fac. Sci., Ehime Univ.) MIURA, Shirou; MORI, Shigeki; NAKAE, Takahiro; UNO, Hidemitsu; OKUJIMA, Tetsuo
- 1PC-058** Synthesis of Novel Chiral Derivatizing Agents Having a Triphenylporphyrin (Fac. Sci., Toho Univ.) NAKAZAWA, Mitsuyuki; HABATA, Yoichi; KUWAHARA, Shunsuke
- 1PC-059** Studies on the light-color modulation mechanism of firefly bioluminescence: A substituent effect with luciferin analogs (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) GOTO, Fumiya; MATSUHASHI, Takuto; IWANO, Satoshi; MAKI, Shoujiro; HIRANO, Takashi

- 1PC-060** Influence of Molecular Configuration on the Emission Properties in Aggregation-Induced Enhanced Emission Dyes (Grad. Sch. Eng., Kyoto Univ.) TSUNOI, Yohei; HIROSE, Takashi; MATSUDA, Kenji
- 1PC-061** Synthesis and Optical Properties of 1,1',5,5'-Tetraaryl-2,2'-Bimidazole Derivatives (Grad. Sch. Eng., Chiba Univ.) MATSUMOTO, Shoji; NORO, Daiki; AKAZOME, Motohiro
- 1PC-062** Synthesis and Physical Properties of π -Extended Indenones (Fac. Chem. Materials and Bioeng., Kansai Univ.) HAYAKAWA, Manato; UMEDA, Rui
- 1PC-063** Synthesis and Physical Properties of Donor- π -Acceptor Compounds Consisted of 5-Pyrimidinecarboxylic Acid as an Acceptor (Grad. Sch. Eng., Chiba Univ.) MATSUMOTO, Shoji; HATAKEYAMA, Hiroki; MOTTEKI, Jun; AKAZOME, Motohiro
- 1PC-064** Synthesis and Physical Properties of Inner Salts Consisted of Diimidazo[1,2-*a*:2',1'-*c*]quinoxalium and Sulfonate (Grad. Sch. Eng., Chiba Univ.) MATSUMOTO, Shoji; KUROSHIO, Tatsuya; IWAMOTO, Naoki; AKAZOME, Motohiro
- 1PC-065** Preparation of chiral supramolecular organic fluorophore with circularly polarized luminescence (CPL) property by solvent-free crystallization. (Kinki Univ.) TANIGUCHI, Naoya; KAMIYOSHI, Syouta; SATO, Tomohiro; TOKUTOME, Hayato; KURODA, Reiko; HUIJIKI, Michiya; IMAI, Yoshitane
- 1PC-066[#]** Flexible Pseudohelical BODIPY Derivative Showing Unusual On/Off Photoluminescence Response to Non-Polar/Polar Solvents (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) RICHARDS, Gary; GOBO, Yuki; NABESHIMA, Tatsuya
- 1PC-067** Synthesis of pH-responsive fluorescence-switchable BODIPY in the physiological range of cytoplasmic pH (FIRST, Konan Univ.) IKEDA, Shoh; KAWAMURA, Koji; MURASHIMA, Takashi
- 1PC-068** Synthesis and properties of aza-BODIPY analogues (Grad. Sch. Sci., Tohoku Univ.) MURAYAMA, Ai; SHIMIZU, Soji; KOBAYASHI, Nagao
- 1PC-069** Synthesis and Property of acceptor molecule with o-naphthoquinone structure (Fac. Sci. Tech., Keio Univ.) ADACHI, Koki; WATANABE, Taku; SUZUKI, Ryota; MIURA, Youhei; YOSHIOKA, Naoki
- 1PC-070** Facile synthesis and emission properties of aromatic dicarboximides (Fac. Sci., Shinshu Univ.; Grad. Sch. Sci. Eng., Univ. of Toyama) ODA, Mitsunori; SHIMOSASA, Haruki; MIYATAKE, Ryuta
- 1PC-071** Novel fluorescence Characters of 3-Aryldiphenanthrofruran Bearing Electron Withdrawing Groups at the Para Positions at the Aryl Groups (Sch. Eng., Univ. of Hyogo) MORIMOTO, Takayuki; NISHIDA, Jun-ichi; KAWASE, Takeshi
- 1PC-072** Substituent Effects on Fluorescent Properties of Di(2-thienyl) Ketone Derivatives in the Crystalline State (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) TOMIYORI, Yusuke; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1PC-073** Characteristic of Thin Film Transistors Based on 21DNTT derivatives which have Alkyl Groups at 6,6' position. (Sch. Eng., Tokai Univ.) KOIKE, Yusaku; TSUTSUI, Masanori; OKAMOTO, Kazuo; KUNUGI, Yoshihito
- 1PC-074** Fabrication and Characterization of Organic Thin Film Transistors Based on Asymmetric Chrysenes Derivatives (Sch. Eng., Tokai Univ.) FUJITA, Yuki; OTSUKI, Hiroyuki; MONZAKI, Masaki; OKAMOTO, Kazuo; KUNUGI, Yoshihito
- 1PC-075** Organic Thin Film Transistors Based on Disilane Cross-linked Polymers (Sch. Eng., Tokai Univ.) YOSHIDA, Takanori; NAKASHIMA, Makoto; OHSHITA, Joji; KUNUGI, Yoshihito
- 1PC-076** Studies on Dye-sensitized Solar Cell Fabricated with 1,3-Bis(2-pyridylimino)isoindolate Platinum Complex Linked with Electron Donor Moieties (Grad. Sch. Sci., Osaka City Univ.; Grad. Sch. Eng., Shizuoka Univ.) MATSUMOTO, Yuma; KARIMATA, Ayumu; SUZUKI, Shuichi; KOZAKI, Masatoshi; MURAMATSU, Yohei; KONNO, Akinori; OKADA, Keiji
- 1PC-077** Radical Polymerization of Acrylamide Derivatives Having Two Carbazole Moieties (Osaka Kyoiku Univ.) SAKATA, Naoya; OGAMI, Fuko; HORI, Kazushige; TANI, Keita; SAKAKIBARA, Keita; TSUJII, Yoshinobu
- 1PC-078** Synthesis and Polymerization of Methacrylate Derivatives Having Carbazole Moiety (Osaka Kyoiku Univ.) OGAMI, Fuko; SAKATA, Naoya; HORI, Kazushige; TANI, Keita; SAKAKIBARA, Keita; TSUJII, Yoshinobu
- 1PC-079** Photocontrol of the conductivity of diarylethene bound to gold nanorods (Grad. Sch. Eng., Kyoto Univ.; JST-PRESTO) TOYAMA, Taichi; HIGASHIGUCHI, Kenji; MATSUDA, Kenji
- 1PC-080** Theoretical design of quinoid-type low band gap polymer (Grad. Sch. Sci., Eng., Tokyo Tech) IWASAKI, Mahiro; HAYASHI, Yoshihiro; HIYOSHI, Junya; KAWAUCHI, Susumu
- 1PC-081** Structures and Properties of Some Di- and Triradical Compounds (Grad. Sch. Mat. Sci., Univ. of Hyogo) FUJIKURA, Koki; INAGAKI, Shota; IMAI, Yuki; AKUTSU, Hiroki; YAMADA, Jun-ichi; NAKATSUJI, Shin'ichi
- 1PC-082** Structures and Properties of Some AZADO-Metal Complexes (Grad. Sch. Mat. Sci., Univ. of Hyogo) KAWAHARA, Yuta; SATO, Ryota; AKUSTU, Hiroki; YAMADA, Jun-ichi; NAKATSUJI, Shin'ichi
- 1PC-083** Syntheses and properties of boron-substituted carboranyl radicals having an intermolecular hydrogen bonds. (Grad. Sch. Integrated Basic Sci., Nihon Univ.) UCHIDA, Takuto; IWAHORI, Fumiya
- 1PC-084** Research on the adsorption and release behavior of nitronyl nitroxide radicals to/from the porous compound. (Coll. Hum. Sci., Nihon Univ.) AKINIWA, Kento; KOBAYASHI, Hirokazu; IWAHORI, Fumiya
- 1PC-085** Synthesis and properties of the novel planer nitroxide radical. (Grad. Sch. Integrated Basic Sci., Nihon Univ.) SAKAI, Go; IWAHORI, Fumiya
- 1PC-086** Study on di-nitroxide radicals having polycyclic aromatic bridges (The Univ. of Electro-Communications Department of Engineering Science) YOSHITAKE, Toru; ISHIDA, Takayuki
- 1PC-087** Self-assembly of acridine-based radical carrying carboxyl groups (Grad. Sch. Sci. Tech., Keio Univ.) TADA, Reiki; MAEDA, Naruaki; MIURA, Youhei; YOSHIOKA, Naoki
- 1PC-088** Chemical modification of 6-oxoverdazyl radical derivative by Suzuki-Miyaura cross-coupling (Fac. Sci. Tech., Keio Univ.) OSHIMA, Shota; TAKAHASHI, Yusuke; MIURA, Youhei; YOSHIOKA, Naoki
- 1PC-089** Crystal structures and optical resolutions of racemic N-protected 2-amino-3-methylpentanoic acids and their ammonium salts (Fac. Chem. Materials and Bioeng., Kansai Univ.) YAJIMA, Tatsuo; KIMURA, Makiko; HORI, Yoshihiro; SHIRAIWA, Tadashi
- 1PC-090** Synthesis of a New Molecular Balance and Evaluation of a Cation- π Interaction (Grad. Sch. Human. Sci., Ochanomizu Univ.) YAMAMOTO, Natsuo; TAKAMORI, Eri; YAMADA, Shinji
- 1PC-091** Intra- and intermolecular interactions of simple merocyanine skeletons: Synthesis and electronic properties of bis(4-amino-6-oxopyrimidine) (Grad. Sch. Sci., Kyushu Univ.) MATSUOKA, Shuhei; GOTO, Kenta; SHINMYOZU, Teruo
- 1PC-092** Analysis of the interactions between imidazolium ring and anion in solution state (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) MOTOHASHI, Akihiko; NAKASHIMA, Kousuke; YAMAGUCHI, Motowo; SATO, Kiyoshi
- 1PC-093** Substituent Effect on the Guest Recognition of Redox-responsive Molecular Tweezers Containing a 9,10-Bis(1,3-dithiol-2-ylidene)-9,10-dihydroanthracene Unit (Fac. Sci., Shinshu Univ.) HARA, Shinichi; TAMAMIZU, Takuya; OHTA, Akira
- 1PC-094** Synthesis and properties of bis(1,3-benzodithiole)-type redox-responsive hosts bearing benzocrown ether rings (Fac. Sci., Shinshu Univ.) HIRABAYASHI, Yoko; HARA, Misato; OHTA, Akira
- 1PC-095** Construction of receptors based on asymmetrical biaryl groups (Fac. Sci., Yamagata Univ.) KITAHARA, Hirohisa; KONDO, Shin-ichi
- 1PC-096** Anion recognition properties of macrocyclic bisurea derivatives based on 2,2'-binaphthalene scaffolds (Fac. Sci., Yamagata Univ.) SATAKE, Akira; ISHIZAWA, Yuki; KATAGIRI, Hiroshi; KONDO, Shin-ichi
- 1PC-097** The synthesis and behavior of aromatic helical molecule with hydrogen bond ability on the surface (Grad. Sch. Human. Sci., Ochanomizu Univ.) KANAI, Misae; MAURIZOT, Victor; MASU, Hyuma; TANATANI, Aya; HUC, Ivan
- 1PC-098** Photoreaction of 4,5-dimethoxy-2-nitrobenzyl esters having isopropyl group at α -position (Fac. Sci., Kanagawa Univ.) SAITO, Yusuke; SAITO, Yusuke; SATO, Hikaru; MORIMOTO, Shuhei; OKAMURA, Naomichi; CHIKARAISHI, Noriko; YAMAGUCHI, Kazuo
- 1PC-099** The Use of Cyclic Tripeptide of (*R*)-2-(3-Aminophenoxy)propanoic Acid as a NMR Chiral Shift Reagent for Quaternary Ammonium Compounds (Grad. Sch. Eng., Chiba Univ.) AKAZOME, Motohiro; AKAMATSU, Tatsuya; MATSUMOTO, Shoji
- 1PC-100** Elucidation of self-sorting mechanism in the self-assembly of supramolecular rosettes of barbiturates (Grad. Sch. Eng., Chiba Univ.) YAGAI, Shiki; IWAWAKI, Hidetaka; KARATSU, Takashi; KITAMURA, Akihide
- 1PC-101** Development of luminescence probes for visualizing protein functions (Shibaura Inst. of Tech.) GO, Masaaki; SAKATANI, Yoshiaki; SHIMBO, Mio; NAKAMURA, Asao
- 1PC-102** Carboxylic Acid Recognition of a Diamidine Having 1,8-Diphenylanthracene Unit (KIT) KUSUKAWA, Takahiro; ARAMOTO, Hiroki; HARADA, Toshiro
- 1PC-103** Carboxylic Acid Recognition of a Diamidine Having 1,8-Diphenyl-naphthalene Unit (KIT) KUSUKAWA, Takahiro; MATOBA, Keisuke; HARADA, Toshiro
- 1PC-104** Phosphonic Acid Recognition of a Diamidine Having an Anthracene Unit in a Polar Solvent (KIT) KUSUKAWA, Takahiro; NAKAGUCHI, Keita; NAGANO, Hitoshi; HARADA, Toshiro
- 1PC-105** Synthesis and Function of N2O2-type BODIPY Derivatives Bearing N-Containing Heterocycles (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SAIKAWA, Makoto; YAMAMURA, Masaki; NABESHIMA, Tatsuya
- 1PC-106** Synthesis of mono- and diazacrown ether derivatives having pyrenecarbonylmethyl moieties and detection of metal ions (Tokyo Med. Univ. Dept. of chem) NISHIMURA, Yukihiko; ARAI, Sadao
- 1PC-107** Homologue series of pentachloro biphenyl isomers and their isolation temperatures by a use of isothermal gas chromatography (Grad. Sch. of Integrated Pharmaceutical and Nutritional, Univ. of Shizuoka) MAKINO, Masakazu
- 1PC-108** Synthesis of a Molecular Ratchet for Shutting Motion Consisting of

- an Optically and Thermally Responsive [2]Rotaxane (Grad. Sch. Eng. Sci., Osaka Univ.) HIROSE, Keiji; TAKABAYASHI, Ryo; TSUDA, Kyosuke; OKADA, Shizuka; YOUNG, Philip G.; TOBE, Yoshito
- 1PC-109** Rotary Motion Control of Molecular Gear Systems based on Lantern-Type Dinuclear Metal Complex (Grad. Sch. Sci., The Univ. of Tokyo) SANADA, Kazuma; UBE, Hitoshi; SHIONOYA, Mitsuhiro
- 1PC-110** Chirality Transcription of Amino Acid Ester Salts by Crown Ether Having a Quaterphenyl Unit (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) TSUCHIYA, Sho; IKEDA, Mari; KUWAHARA, Shunsuke; HABATA, Yoichi
- 1PC-111** Synthetic Study of a Molecular Lasso : Control of Unidirectional Rotation in [1]Rotaxane (Fac. Sci., Toho Univ.) OKANO, Hideki; HABATA, Yoichi; KUWAHARA, Shunsuke
- 1PC-112** Synthetic Study of a Figure-Eight-Shaped [1]Rotaxane with Crown Ether Moiety (Fac. Sci., Toho Univ.) ABO, Kinsuke; HABATA, Yoichi; KUWAHARA, Shunsuke
- 1PC-113** Synthesis and Complexing Behavior of a Novel Bis-Crown Ether with Spiroinden Structure (Fac. Sci., Toho Univ.) NAKANISHI, Karina; HABATA, Yoichi; KUWAHARA, Shunsuke
- 1PC-114** Construction of 1D chain complex with acridine type ligand (Fac. Sci. Tech., Keio Univ.) MAEDA, Naruaki; TADA, Reiki; MIURA, Youhei; YOSHIOKA, Naoki
- 1PC-115** Preparation and Surface Modification of Gold Nanoparticles Bearing Cyclic Spiroborates as Protective Agents (Konan Univ.) MATSUMOTO, Tomohiro; KISHIMOTO, Yusuke; DANJO, Hiroshi; TSURUOKA, Takaaki; AKAMATSU, Kensuke; MIYAZAWA, Toshifumi
- 1PC-116** Synthesis and Characterization of Alternating Pyridine-Thiophene Macrocycles (Nagoya Inst. of Tech.) KODAMA, Naoki; KURITA, Shigeki; OHKITA, Masakazu
- 1PC-117** Synthesis and Characterization of Donor-Acceptor o-Phenyleneethynylene Oligomers (Nagoya Inst. of Tech.) MIYOSHI, Ryota; OHKITA, Masakazu
- 1PC-118** Synthesis of Self-assembly Containing Helical Bipyridine-Fe Complexes as a Constituent Unit (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KIMURA, Hikaru; OKUHARA, Takashi; YAMAMURA, Masaki; NABESHIMA, Tatsuya
- 1PC-119** Synthesis of dibenzothiophene derivatives having two imidazole moieties and its complex formation with zinc ion (Grad. Sch. Mat. Sci., NAIST) NAKANO, Yuka; KAWAI, Tsuyoshi; YUASA, Junpei
- 1PC-120** Self-aggregation of tetraphenylporphyrin zinc complexes bearing amino groups (Gunma N.C.T. Dept. of Chem. and Mater. Sci.) ENOMOTO, Takafumi; SHINOHARA, Hikaru; NAKAJIMA, Satoshi
- 1PC-121** Photochemical and Thermal Control over Supramolecular Chirality in the Self-Assemblies of Azobenzene Dyads. (Grad. Sch. Eng., Chiba Univ.) YAGAI, Shiki; CHIBA, Yosuke; KARATSU, Takashi; KITAMURA, Akihide
- 1PC-122** Spiroborate-type Molecular Connecting Module with Amide Groups : Preparation and Evaluation of Their Chain Formation Behavior (Konan Univ.; Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) NAKATANI, Mizuki; KAWANISHI, Hiroko; DANJO, Hiroshi; MIYAZAWA, Toshifumi; OHARA, Kazuaki; KAWAHATA, Masatoshi; YAMAGUCHI, Kentaro
- 1PC-123** Preparation and Structural Evaluation of Macrocyclic Spiroborates (Konan Univ.) HASHIMOTO, Yuki; KITANI, Kazuhiro; MORITA, Kentaro; DANJO, Hiroshi; OHARA, Kazuaki; KAWAHATA, Masatoshi; YAMAGUCHI, Kentaro; MIYAZAWA, Toshifumi
- 1PC-124** Syntheses and photodynamics of supramolecular nanoarchitectures composed of hexaazatriphenylenetriimides and porphyrins (Grad. Sch. Sci. Tech., Keio Univ.) AOKI, Toru; SAKAI, Hayato; HASOBE, Taku
- 1PC-125** Preparation of Highly Functionalized Cyclic Spiroborates (Konan Univ.) NAKAGAWA, Toshi; DANJO, Hiroshi; OHARA, Kazuaki; KAWAHATA, Masatoshi; YAMAGUCHI, Kentaro; MIYAZAWA, Toshifumi
- 1PC-126** Preparation of Hollow Peapod Nanotubes by the Use of Spiroborate Molecular Connecting Modules. (Konan Univ.; ISIR, Osaka Univ.) TAKESUMI, Hayato; MURAKI, Yusuke; MORII, Akio; DANJO, Hiroshi; SUDO, Koichi; NAITO, Muneyuki; MIYAZAWA, Toshifumi
- 1PC-127** Synthesis of cyclophanes having long chain alkyl chains and characterization of their rotaxane structure (KIT Department of Applied Chemistry) IWAMOTO, Takuya; MORIGUCHI, Tetsuji; ARAKI, Koji; TSUGE, Akihiko
- 1PC-128** Synthesis and properties of gelation of the cyclophanes having the urea units in their bridging part (KIT Department of Applied Chemistry) FUJIWARA, Tsugumichi; MORIGUCHI, Tetsuji; ARAKI, Koji; TSUGE, Akihiko
- 1PC-129** Synthesis, Structure, and Function of Propeller-type Phosphine (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) SUKAGAWA, Kimiya; YAMAMURA, Masaki; NABESHIMA, Tatsuya
- 1PC-130** Synthesis and Optical Properties of Tin Complexes of N2O2-type Dipyrin (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) GOBO, Yuki; YAMAMURA, Masaki; NABESHIMA, Tatsuya
- 1PC-131** Synthesis and Association Behavior of Benzimidazolone/Oxindole-Type Supramolecular zipper (Nagoya Inst. of Tech.) TAKAGI, Yuya; OHKITA, Masakazu
- 1PC-132** Supramolecular zipper: Synthesis and Association Behavior of

Polyether-Substituted Derivatives (Nagoya Inst. of Tech.) TAKAGI, Yuya; TAMURA, Kousuke; OHKITA, Masakazu

- 1PC-133** Preparation of nanocapsule incorporating manganese ions for highly sensitive magnetic resonance imaging (MIC, NIRS; Inst. Frontier Med. Sci., Kyoto Univ.) ARAI, Kazutaka; JO, Jun-ichiro; AOKI, Ichio; SAGA, Tsuneo
- 1PC-134** Self-organization of amphiphilic perylene bisimide dyad (Grad. Sch. Eng., Chiba Univ.; JST-CREST) LIN, Xu; KURATA, Hiroki; YAGAI, Shiki
- 1PC-135** Cyclic Oligomerization and Polymerization of Oligo(hexylthiophene)s by Multiple Hydrogen-Bonding (Grad. Sch. Eng., Chiba Univ.; Grad. Sch. Sci., Eng., Yamagata Univ.; AIST; CREST-JST) YAGAI, Shiki; SUZUKI, Mika; TANI, Yuki; NAKAYAMA, Ken-ichi; KIKKAWA, Yoshihiro
- 1PC-136** Synthesis of Amphiphilic Molecule Having Photo-Reactive Units toward Synthesis of Two-Dimensional Polymer at Air/water Interface (Sch. Eng. Sci., Osaka Univ.) KUNIMOTO, Kazuki; TAHARA, Kazukuni; TOBE, Yoshito
- 1PC-137** Cooperative Self-Assembly and Photoresponsive Behavior of Diarylethenes Having Urea Groups (Grad. Sch. Eng., Kyoto Univ.) NISHITANI, Nobuhiko; HIROSE, Takashi; MATSUDA, Kenji
- 1PC-138** Synthesis and Characterization of Lithium-ion Encapsulated Fullerenes [Li+@C60] and γ -Cyclodextrin complex (Sendai Nat. Coll. of Tech. School of Chemistry) ENDO, Tomoaki; KWON, Eunsang; KOMATSU, Ken-ichiro; KAWACHI, Kazuhiko; KASAMA, Yasuhiko
- 1PC-139** The Preparation and Characterization of Coumarin Derivatives with high light stability (WINTEC) MORI, Megumi; MIYAKE, Yasuhiro; MATSUMOTO, Akihiro; OSAKI, Shusuke; KIMURA, Miwako

Physical Organic Chemistry -Reaction Mechanism-

- 1PC-141** Syntheses of Novel Naphthobisbenzofurans and Their Reactions in Supercritical Media (Grad. Sch. Eng., Mie Univ.) KITABATA, Akira; OKAZAKI, Takao; KITAGAWA, Toshikazu
- 1PC-142** Theoretical Study of singlet biradical species associated with sigma binding portion cleavage (Dept. Eng. Edu. Center, Chiba Inst. of Tech.) ITOH, Shuhei
- 1PC-143** Fluorescence study of 7-substituted coumarins caused by inclusion complexations with various modified cyclodextrins and cucurbit[7]uril. (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) SUGAHARA, Minako; SUEISHI, Yoshimi
- 1PC-144** Studies on Inclusion complexation and emission mechanism of the ANS derivatives with the p-Cyclophane (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ITO, Ayari; SUEISHI, Yoshimi
- 1PC-145** Study of photoinduced electron transport across vesicle membrane using two kinds of pyrene derivatives as sensitizers (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TATSUMURA, Makoto; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 1PC-146** Accelerated MD analysis of isomerization mechanism of azobenzene: Kramers theory and activation volume (Ind. Tech. Ctr. Nagasaki) SHIGEMITSU, Yasuhiro; OHGA, Yasushi
- 1PC-147** Computational chemistry study of cellulose hydrolysis process (The Museum of Osaka Univ.) TOYODA, Jiro; UEDA, Takahiro

Organic Chemistry -Reaction and Synthesis- Metallo-organic Chemistry

- 1PC-149** A copper-amine complexes catalyzed Mizoroki-Heck reaction of α -methylstyrene with tert-alkyl halides: Substituent effects of tert-alkyl halides (Fac. Eng., Yamaguchi Univ.) NAKAMURA, Kimiaki; NISHIKATA, Takashi
- 1PC-150** Development of allylation reaction that goes through Mizoroki-Heck (M-H)reaction catalyzed by copper catalyst (Fac. Eng., Yamaguchi Univ.) NISHIKATA, Takashi; ITONAGA, Kohei
- 1PC-151** Copper-catalyzed introductions of tertiary alkyl groups having an electron withdrawing group to terminal olefins. (Fac. Eng., Yamaguchi Univ.) FUJIMOTO, Ryo; NISHIKATA, Takashi
- 1PC-152** Synthesis of heteroarenes with extended π -conjugation system utilizing furfural (Grad. Sch. Eng., Kobe Univ.) TATSUTA, Go; TANAKA, Shota; SUGIE, Atsushi; MORI, Atsunori
- 1PC-153** Synthesis and properties of regioregular poly(3-substituted thiophene) bearing disiloxane moiety in the substituent (Kobe Univ.) TOYOMORI, Yuka; IDE, Kenji; TAMBA, Shunsuke; TSUJI, Satoru; MORI, Atsunori
- 1PC-154** Asymmetric Allylation of Aldehydes Catalyzed by Chiral Phosphine-Silver Alkoxide (Grad. Sch. Sci., Chiba Univ.) YANG, Nan; YANAGISAWA, Akira
- 1PC-155** Preferential Addition of Pyrrole at its β -Position to Electron-Deficient Alkenes: Studies on Reaction Conditions (Sch. Sci. Eng., Meiji Univ.) SUDO, Takumi; NOMIYAMA, Shota; TSUCHIMOTO, Teruhisa
- 1PC-156** Cu-Catalyzed asymmetric conjugate addition reaction under hydroxy-alkyl substituted azolium salt (Fac. Chem. Materials and Bioeng., Kansai Univ.) KAWASHIMA, Hiromasa; SAKAGUCHI, Satoshi
- 1PC-157** Copper-Catalyzed Cycloaddition of Dichloroisobutene and aldehydes (Grad. Sch. Sci., Shizuoka Univ.) SAKURAI, Yoko; YAMAGUCHI, Yu; TSUKADA, Naofumi

- 1PC-158** Iron-Catalyzed ortho Alkylation of Aromatic Carboxamides with Alkylzinc Reagents (Grad. Sch. Sci., The Univ. of Tokyo) ICHIKAWA, Saki; ASAKO, Sobi; ILIES, Laurean; NAKAMURA, Eiichi
- 1PC-159** Iron-Catalyzed Reduction of Oxetanes (Fac. Eng., Kanagawa Univ.) FUJIMOTO, Takahiro; SUGIYAMA, Yuuki; HEIGOZONO, Shiori; OKAMOTO, Sentaro
- 1PC-160** Development of novel palladium-catalyzed highly atom-efficient cross-coupling reaction by means of triarylgermanium chlorides (Grad. Sch. Eng., Gunma Univ.) TAYAMA, Toshiki; FUGAMI, Keigo
- 1PC-161** Indium Tribromide-Catalyzed Intramolecular Addition of Silyl Enolates to Alkynes (Grad. Sch. Sci., Eng., Saitama Univ.) NEGISHI, Kenta; MIURA, Katsukiyo; KINOSHITA, Hidenori
- 1PC-162** Indium-Catalyzed Synthesis of Phenyl Esters from Carboxylic Acids and Phenols and Its Application to Synthesis of Phenyl Ethers (Fac. Sci. Technol., Tokyo Univ. of Sci.) YUKI, Maegawa; TAKEO, Konakahara; NORIO, Sakai
- 1PC-163** Asymmetric hydrosilylation of ketone catalyzed by well defined NHC-Ir complex derived from leucine (Fac. Chem. Materials and Bioeng., Kansai Univ.) SHINOHARA, Kanako; SAKAGUCHI, Satoshi
- 1PC-164** Synthesis of N-Heterocycles through N-Alkylation of Aqueous Ammonia with Diols Catalyzed by Water-Soluble Triammine Iridium Complex (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) FURUKAWA, Shohichi; KAWAHARA, Ryoko; FUJITA, Ken-ichi; YAMAGUCHI, Ryohei
- 1PC-165** Iridium-Catalyzed Regioselective [2+2+2] Cycloaddition of α, ω -Diyne with Cyanamides (Coll. Sci. Eng., Aoyama Gakuin Univ.) HASHIMOTO, Toru; ISHII, Satoshi; YANO, Reiko; TAKEUCHI, Ryo
- 1PC-166** Hydrazone-Palladium Catalyzed Heck Type Reaction Using Hypervalent Iodine Reagent (Grad. Sch. Eng., Chiba Univ.) MINO, Takashi; WATANABE, Kohei; ABE, Taichi; KOGURE, Taketo; SAKAMOTO, Masami
- 1PC-167** NHC-Pd-catalyzed asymmetric allylic substitution: Stereocontrol based on the substituent at NHC ring (Fac. Chem. Materials and Bioeng., Kansai Univ.) OKUNO, Megumi; SHIRASAKI, Hiroshi; SAKAGUCHI, Satoshi
- 1PC-168** Palladium-Catalyzed Asymmetric Allylic Alkylation of Indoles Using C-N Axially Chiral Ligand with Cinnamyl Group (Grad. Sch. Eng., Chiba Univ.; CAI, Chiba Univ.) MINO, Takashi; ASANO, Moeko; NISHIKAWA, Kenji; YAGISITA, Fumitoshi; SAKAMOTO, Masami
- 1PC-169** Palladium Catalyzed Mizoroki-Heck Reaction Using Imidazo[1,5-a]pyridine Type Ligands (Grad. Sch. Eng., Chiba Univ.; CAI, Chiba Univ.) YAGISHITA, Fumitoshi; NOMURA, Koh; SHIONO, Saki; MINO, Takashi; SAKAMOTO, Masami
- 1PC-170** Hydrazone-Palladium Catalyzed Annulation of Internal Alkynes with 1-Allyl-2-bromobenzene (Grad. Sch. Eng., Chiba Univ.) MINO, Takashi; YOSHIZAWA, Eri; ABE, Taichi; ITO, Shisei; WATANABE, Kohei; SAKAMOTO, Masami
- 1PC-171** Pd-Catalyzed Asymmetric Alkylation of Phenyl-Substituted Allenyl Acetate Using Chiral Phosphoramidite Ligand (Fac. Eng., Niigata Univ.; Grad. Sch. Sci. and Technol., Niigata Univ.) HOSHI, Takashi; WATANABE, Hiroki; SUZUKI, Toshio; HAGIWARA, Hisahiro
- 1PC-172** Catalytic phosphinylation of aryl halides with phosphine oxides by reusable palladium nanoparticle prepared via on-site reduction with hydridosilica monolith (Dept. of Chem. Eng., NNCT) YOSHIDA, Toru; MOITRA, Nirmalya; KANAMORI, Kazuyoshi; KAMEI, Toshiyuki; NAKANISHI, Kazuki; SHIMADA, Toyoshi
- 1PC-173** Development of the heterogeneous hydrogenation reaction using the palladium-hydridosilica catalyst (Dept. of Chem. Eng., NNCT; Grad. Sch. Sci., Kyoto Univ.) KAMEI, Toshiyuki; TAKEUCHI, Nobuhiko; YOSHIMITHU, Tenji; ICHII, Shun; MOITRA, Nirmalya; KANAMORI, Kazuyoshi; NAKANISHI, Kazuki; SHIMADA, Toyoshi
- 1PC-174** C-H bond selective direct arylation of 2-bromo-N-methylimidazole (Fac. Eng., Gifu Univ.) YOKOE, Yuma; YAMAUCHI, Takayuki; SHIBAHARA, Fumitoshi; MURAI, Toshiaki
- 1PC-175** Development of a Sterically and Electronically Diverse Set of Ruthenocenylophosphine Ligands for Activation of Palladium Catalyst (Fac. Eng., Niigata Univ.; Grad. Sch. Sci. and Technol., Niigata Univ.) HOSHI, Takashi; SHISHIDO, Yuka; HIDEHIMA, Tetsu; SAITO, Junichi; YAMAHIRA, Yoshie; SUZUKI, Toshio; HAGIWARA, Hisahiro
- 1PC-176** Synthesis of Dibenzosiloles via Intramolecular Platinum-Catalyzed C-H Silylation (Kitami Inst. of Tech.) TAKIZAWA, Miho; NAMIKOSHI, Takeshi; WATANABE, Shinji; MURATA, Miki
- 1PC-177** Platinum-Catalyzed One-Pot Alkenylation of Aldehydes Using Alkynes and Triethylsilane (Grad. Sch. Sci., Eng., Saitama Univ.) FUKUDA, Daiki; MIURA, Katsukiyo; KINOSHITA, Hidenori
- 1PC-178** Ruthenium-Catalyzed Selective Synthesis of 2,3-Disubstituted Quinolines by the Reaction of Anilines with Aldehydes (Fac. Chem. Materials and Bioeng., Kansai Univ.) NAKAMURA, Yudai; UMEDA, Rui; NISHIYAMA, Yutaka
- 1PC-179** Rh-catalyzed 1,4-addition with Aryltriallylsilanes (Nara National College of Technology) KAMEI, Toshiyuki; URYU, Mizuho; TANAKA, Tomohiro; SHIMADA, Toyoshi
- 1PC-180** Hydrosilane reduction of carboxylic acids catalyzed by ruthenium catalysts and the related reactions (Grad. Sch. Eng. Sci., Kyushu Univ.) YOSHIOKA, Yuumi; YUMINO, Shohei; INOUE, Ryoko; SUNADA, Yusuke; NAGASHIMA, Hideo
- 1PC-181** Ruthenium-Catalyzed C-H Borylation of 2-Arylpyridines with Pinacolborane (Kitami Inst. of Tech.) OKADA, Shinsuke; NAMIKOSHI, Takeshi; WATANABE, Shinji; MURATA, Miki
- 1PC-182** Synthesis of Polycyclic Silicon Compounds by Ring-closing Symmetric and Asymmetric Diene-yne Metathesis Reaction (Fac. Sci., Kanagawa Univ.) AMAKASU, Toru; KABE, Yoshio
- 1PC-183** Generation and Reaction of Low-Valent Alkoxytitaniums (Fac. Eng., Kanagawa Univ.) TANABE, Yu-ki; TAKEKOSHI, Naoto; MATSUNO, Chikashi; OKAMOTO, Sentaro
- 1PC-184** Deallylation and Depropargylation by Low-Valent Alkoxytitaniums (Fac. Eng., Kanagawa Univ.) TAKAGI, Hiromasa; TANABE, Yu-ki; MATSUNO, Chikashi; OKAMOTO, Sentaro
- 1PC-185** Carbon-Carbon Bonds Cleavage by Vanadium Catalyzed Aerobic Oxidation (Fac. Sci. Tech., SIST) IWAI, Toshiaki; KIRIHARA, Masayuki
- 1PC-186** Improvement in nucleophilicity of zinc carbene by copper salt (Grad. Sch. Mat. Sci., Univ. of Hyogo) FUJII, Kanami; SUGIMURA, Takashi
- 1PC-187** Cyclization of Alkenyl Ketones Using Rieke Zinc (Tokyo Univ. of Sci., Yamaguchi, Fac. of Eng.) INOUE, Masahiro; HOJO, Makoto

Friday, March 28, AM

(10 : 00~11 : 30)

Catalysts and Catalysis

- 2PA-001** The continuous generation of active oxygen species and upgrading of IX (Grad. Sch. Eng., Toin Univ. of Yokohama) KOARAI, Takuya; NITTA, Kohei; SAITO, Kiyoshi
- 2PA-002** The development and characterization of the continuous active oxygen generator using sulfonate ion doped polyaniline electrode. (Fac. Bio. Eng., Toin Univ. of Yokohama) OGAWA, Yuichi; SAITO, Kiyoshi
- 2PA-003** Characterization of Ni supported over a calcium silicate investigated by infrared spectroscopy (Grad. Sch. Sci. Eng., Yamaguchi Univ.) TANAKA, Hideyuki; SAKATA, Yoshihisa; IMAMURA, Hayao
- 2PA-004** FT-IR observation of alkane adsorption onto organic cation exchanged zeolites (Ibaraki Nat. Coll. of Tech. Advanced Engineering Course of Systems Engineering) OSUGA, Ryota; YODA, Eisuke
- 2PA-005[†]** Preparation of catalysts for methanol synthesis by using graphene (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ZHANG, Xiaorui; AKASU, Yuta; KAMAKURA, Sei; KONDO, Takahiro; SUZUKI, Yoshikazu; NAKAMURA, Junji
- 2PA-006** Convenient method for deuteration of organic substrates by deuterated hypophosphite with palladium catalyst (Sch. high-Tech. Human Welfare, Tokai Univ.) OBA, Makoto; KOJIMA, Kaori; SANO, Haruki; ENDO, Minehito; NISHIYAMA, Kozaburo
- 2PA-007** Enantio-differentiating hydrogenation of methyl acetoacetate over morphologically controlled fine nickel powder (Grad. Sch. Sci. Eng., Univ. of Toyama; Metek Co., Ltd.) OSAWA, Tsutomu; HOSOMARU, Akiyo; KIZAWA, Tomoko; IKEDA, Shinji; KITAMURA, Takayuki; INOUE, Yoshihisa; BOROVKOV, Victor
- 2PA-008** Multipoint Adsorption of Chiral Modifier in Enantioselective Hydrogenation on Pd catalyst (Grad. Sch. Mat. Sci., Univ. of Hyogo) MAMEDA, Takuya; SUGIMURA, Takashi
- 2PA-009[†]** Efficiently complete conversion of hydrazine borane to hydrogen catalyzed by surfactant-free NiPt nanoparticles at ambient temperature (UBIQEN, AIST) ZHU, Qilong; XU, Qiang
- 2PA-010** Steam reforming of ethanol over niobium-promoted supported platinum catalysts (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ITO, Shin-ichi
- 2PA-011** Knoevenagel reaction in water catalyzed by interlayer-controlled layered yttrium hydroxide (Grad. Sch. Eng., Chiba Univ.) TATEYAMA, Yoshito; HARA, Takayoshi; ICHIKUNI, Nobuyuki; SHIMAZU, Shogo
- 2PA-012** Variation of acid-base properties of titanates with cationic substitution (Grad. Sch. Eng., Nagoya Univ.) ITO, Jun; OHYAMA, Junya; SATSUMA, Atsushi
- 2PA-013** Selective insertion of lanthanum oxide into micropore of SBA-15 and its enhanced hydrothermal stability (Fac. Eng., Hiroshima Univ.) IGARASHI, Takumi; KAWAMOTO, Yoshimi; SANO, Tsuneji; SADAKANE, Masahiro
- 2PA-014** Visible light-Induced Aerobic Oxidation of Aniline on Platinum Nanoparticles Supported on Titanium Dioxide (Grad. Sch. Eng. Sci., Osaka Univ.) SAKAMOTO, Hirokatsu; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki
- 2PA-015** Preparation and evaluation of perylene derivative / cobalt phosphate composite (Coll. Sci. Tech., Nihon Univ.) SEKIGUCHI, Hiroki; SUGAWA, Kosuke; OTSUKI, Joe
- 2PA-016[†]** Characterization of doped La₅Ti₂Cu₅S₇O for photoelectrochemical hydrogen evolution (Grad. Sch. Eng., The Univ. of Tokyo) LIU, Jingyuan; HISATOMI, Takashi; MA, Guijun; MINEGISHI, Tsutomu; MORIYA, Yosuke; DOMEN, Kazunari
- 2PA-017** Photocatalytic activity of porous TiO₂ containing Pt, Cr, or Cu ion under visible light irradiation (Fac. Sci., Yamaguchi Univ.) NISHIYAMA, Naoto; ADACHI, Kenta; YAMAZAKI, Suzuko
- 2PA-018** Study on photoelectrochemical properties of SrNb₂O₇ electrodes fabricated by different methods (Grad. Sch. Eng., The Univ. of Tokyo)

- URABE, Haruki; HISATOMI, Takashi; MINEGISHI, Tsutomu; DOMEN, Kazunari
- 2PA-019** Study on nitridation conditions of (Ga_{1-x}Zn_x)(N_{1-x}O_x) using a rotary nitridation furnace (Grad. Sch. Eng., The Univ. of Tokyo) NAGASE, Hiroki; MORIYA, Yousuke; HISATOMI, Takashi; KATAYAMA, Masashi; KUBOTA, Jun; DOUMEN, Kazunari
- 2PA-020** Morphological control of the BaNbO₂N photocatalyst by molten flux and its effect on the photocatalytic activity (Grad. Sch. Eng., The Univ. of Tokyo) KODERA, Masanori; HISATOMI, Takashi; MORIYA, Yousuke; MINEGISHI, Tsutomu; KATAYAMA, Masao; KUBOTA, Jun; DOMEN, Kazunari
- 2PA-021** Preparation of bismuth molybdates via solvothermal process with addition of surfactants and evaluation of their photocatalytic properties (Tokyo City Univ. Graduate School of Engineering) NOGUCHI, Seiya; TAKAHASHI, Masashi
- 2PA-022** Preparation of organically-modified titanium(IV) oxide and their photocatalytic performance under visible light irradiation (Fac. Sci. Eng., Kinki Univ.) KITAGAWA, Shinya; HASHIMOTO, Keiji; KOMINAMI, Hiroshi; IMAMURA, Kazuya
- 2PA-023** Study on Overall Water Splitting using Ta₃N₅ Photoelectrodes Fabricated by the Particle Transfer Method (Grad. Sch. Eng., The Univ. of Tokyo) ASAI, Tomohiro; MA, Su su khine; HISATOMI, Takashi; MINEGISHI, Tsutomu; DOMEN, Kazunari
- 2PA-024** Photocatalytic water oxidation utilizing reversible redox ion over modified iron oxide (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) MAJIMA, Yu; MISEKI, Yugo; GUNJI, Takahiro; SAYAMA, Kazuhiro
- 2PA-025** A facile synthesis and photocatalytic activities of sea urchin-like iron oxide particles (AITC Industrial Research Institute) KAKUTA, Seiji; OKAYAMA, Toru
- 2PA-026** Photocatalytic reduction of CO₂ in high-temperature high-pressure water by Pt-loaded titania (Grad. Sch. Eng., Osaka City Univ.) CHIKADA, Masashi; KOMETANI, Noritsugu
- 2PA-027** Photoinduced electron transfer from N-doped Ta₂O₅ to adsorbed Ru complex (3) (Toyota Central R&D Labs., Inc.; JST, ACT-C) YAMANAKA, Ken-ichi; SATO, Shunsuke; KAJINO, Tsutomu; MORIKAWA, Takeshi
- 2PA-028** photocatalytic activities of WO₃ and TiO₂ loaded prussian blue (Nagoya Municipal Industrial Research Institute) KISHIKAWA, Nobuyuki; TSUGE, Hiroyasu; KAWASE, Satoru; ONO, Satomi
- 2PA-029** Catalyst activity evaluation of the porous Metal-Organic Framework- Immobilized metal nanoparticles (Toyama Nat. Coll. Technol. Toyama National College of Technology) TSUMORI, Nobuko; AIJAZ, Arshad; XU, Qiang
- 2PA-030** Ring-opening addition reactions of epoxides with thiols over rhenium sulfide clusters as solid Lewis acid catalysts (Grad. Sch. Sci., Eng., Saitama Univ.; RIKEN Organometallic Laboratory) NAGASHIMA, Hiroshi; NAGASHIMA, Sayoko; KAMIGUCHI, Satoshi; CHIHARA, Teiji
- 2PA-031** Intercalation of Rh(I) pillared complexes into alkylammonium-modified taeniolite and the catalytic behavior in asymmetric hydrogenation reaction (Grad. Sch. Eng., Chiba Univ.) SUZUKI, Kaito; HARA, Takayoshi; CHIKUNI, Nobuyuki; SHIMAZU, Syogo
- 2PA-032** Electrocatalytic hydrogen evolution from water by a copper-oxime complex (Coll. Sci. Tech., Nihon Univ.) SEKINE, Tatsuki; SUGAWA, Kosuke; OTSUKI, Joe
- 2PA-033** Control of Huisgen Reaction Exploiting Applied Potential Pattern on Copper Electrode as Catalyst Source (Grad. Sch. Sci., Hiroshima Univ.) YOSHINO, Junichi; KUME, Syoko; MIZUTA, Tsutomu
- 2PA-034** Cuprous oxide catalyzed Suzuki cross-coupling reaction in water (OIT) OHTAKA, Atsushi; TOMINAGA, Masahiro; OKAGAKI, Toshiyuki; SHIMOMURA, Osamu; NOMURA, Ryoki
- 2PA-035** Suzuki cross-coupling reaction in water with a linear polystyrene-stabilized Ru nanoparticles (OIT) OHTAKA, Atsushi; KOTERA, Takamasa; OKAGAKI, Toshiyuki; SHIMOMURA, Osamu; NOMURA, Ryoki
- 2PA-036** Development of supported metal catalysts in selective FT synthesis (Grad. Sch. Eng., Oita Univ.) ITO, Naoki; SATO, Katsutoshi; NAGAOKA, Katsutoshi

Material Chemistry

Inorganic Materials

- 2PA-039** Synthesis of titanium phosphate white pigments with titanium sulfate (Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.; Coll. Sci. Tech., Nihon Univ.; Yonago Nat. Coll. of Tech.) ONODA, Hiroaki; FUJIKADO, Syohei; TOYAMA, Takeshi; TAKENAKA, Atsushi
- 2PA-040** Sol-gel Method of LiNbO₃ with Quaternary Ammonium Compounds (Tokyo Metropolitan Industrial Technology Research Institute Bio technical group) FUJII, Kyoko; NAKAGAWA, Tomoe; MONKAWA, Akira; KATO, Katsuhiko
- 2PA-041** Hydrogen absorption-release propties of Pd nanoparticles synthesized at low temperature (EcoTopia Sci. Inst., Nagoya Univ.) OZAWA, Masakuni; KOBAYASHI, Katsutoshi; KATO, Hitoshi
- 2PA-042** Synthesis of Octahedral Pure Indium Particles (SENJU METAL INDUSTRY CO., LTD Advanced Technology dept.; Grad. Sch. Eng., KIT) KAWASAKI, Hiroyoshi; OKADA, Hiroshi; ROPPOGI, Takahiro; SOMA,

Daisuke; MAWATARI, Yoshihide; YAMAMURA, Masato; KAGE, Hiroyuki; MURAKAMI, Naoya; OHNO, Teruhisa; ARAKI, Koji; TSUGE, Akihiko

- 2PA-043** Study on functionalization of clay materials having high adsorptivity (MRISD, AIST) NISHIZAWA, Kaori; WATANABE, Eiji; MAEDA, Masaki; INUKAI, Keiichi; SUZUKI, Masaya
- 2PA-044** Development of high efficiency preparation method latent pigment of diketo pyrrolo pyrrole analogues using microwave(MW) irradiation and fluorescence properties (Shibaura Inst. of Tech.) NAKANO, Masaki; OOSHII, Tomozi; WATANABE, Masayuki; AOYAGI, Noboru
- 2PA-045** Hydrothermal synthesis of Nd-BaTiO₃ thermistor (Grad. Sch. Life Sci., Ritsumeikan Univ.) HISHIKAWA, Shota; HASHISHIN, Takeshi; KOJIMA, Kazuo; SANADA, Tomoe; TAMAKI, Jun
- 2PA-046** Addition Effect of Halide for Preparation of NbB and NbB₂ (Sch. Sci. Eng., Kokushikan Univ.) SHIGERU, Okada; KIYOMI, Kamamoto; TAKASHI, Yamasaki; TOETSU, Shishido; KUNIO, Yubuta
- 2PA-047** Observation of Ionic Behavior in the Electric Double Layer Capacitor (Grad. Sch. Industrial Tech., Nihon Univ.) SAKURAI, Makoto; YAMANE, Yohei; YAMADA, Koji

Organic Materials

- 2PA-048** Withdrawn
- 2PA-049** Development of Novel Acceptor Materials for Organic Solar Cells : Synthesis of Novel Methanofullerenes having Polar Groups and the Application to Photovoltaic Devices (Doshisha Univ.; Osaka Municipal Technical Research Institute; JST CREST) TAKAGI, Akuto; MORIWAKI, Kazuyuki; MIZUTANI, Tadashi; HIDA, Koichi; MATSUMOTO, Fukashi; IWAI, Toshiyuki; TAKAO, Yuko; ITO, Takatoshi; MIZUNO, Takumi; OHNO, Toshinobu
- 2PA-050** Synthesis of Hydrogen Bonded Frameworks Consisting of Tetraphenylmethane Dendrimer (Sch. Sci., Tohoku Univ.) MAKI, Haruki; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 2PA-051** Assembling Covalent Porous Organic Material via Functional Control of Tetraphenylmethane Skeleton (Sch. Sci., Tohoku Univ.) SHIDA, Yamato; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 2PA-052** Synthesis and Properties of Iridium Complexes with 2,3'-Bipyridine (Fac. Sci., Josai Univ.) AOYAGI, Katsuhiko; HASHIMOTO, Masashi
- 2PA-053** Synthesis of N-acceptor linking porphyrin derivatives and application for Organic photovoltaics (Osaka Municipal Technical Research Institute; Grad. Sch. Sci., Kobe Univ.) TAKAO, Yuko; MATSUMOTO, Fukashi; MORIWAKI, Kazuyuki; HIDA, Koichi; MIZUNO, Takumi; OHNO, Toshinobu; SETSUNE, Jun-ichiro; MOROGA, Kaname; IWASAWA, Tetsuo
- 2PA-054** Synthesis and Properties of triazine substituted iridium complexes. (Fac. Sci., Josai Univ.) MUROGA, Masaki; HASHIMOTO, Masashi
- 2PA-055** Novel anchoring groups for the highly efficient dye-sensitized solar cells (Fac. Sci., Josai Univ.) SEKIGUCHI, Shoya; WAKAYAMA, Miho; MITSUKE, Koichiro; HASHIMOTO, Masashi
- 2PA-056** Development of p-n Heterojunction Organic Photovoltaic Cells Consisting of Copper Phthalocyanine and Novel Methanofullerenes as an Active Layer (Osaka Municipal Technical Research Institute; Grad. Sch. Eng., Doshisha Univ.; JST CREST) MORIWAKI, Kazuyuki; TANAKA, Kohei; MIZUTANI, Tadashi; HIDA, Koichi; MATSUMOTO, Fukashi; IWAI, Toshiyuki; TAKAO, Yuko; ITO, Takatoshi; MIZUNO, Takumi; OHNO, Toshinobu
- 2PA-057** Development of a resin having a borate ion adsorption ability (KIT Faculty of Engineering) SHIGEI, Sachiko; TOYOSE, Yasushi; TSUGE, Akihiko; ARAKI, Koji
- 2PA-058** Synthesis of a Clathrate Hydrate Analogue of Super-Huge-Space Cluster Consisting of Tetraphenylmethane Frameworks (Sch. Sci., Tohoku Univ.) FUNADA, Takashi; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 2PA-059** Electro-Rheological effect in a hexagonal columnar phase of Side-on liquid crystalline silsesquioxane derivatives (Coll. Life Sci., Ritsumeikan Univ.) TAMIYA, Yutaro; MANDAI, Atsuhiko; KANEKO, Kosuke; HANASAKI, Tomonori
- 2PA-060** Synthesis and Properties of novel donor-acceptor pai-conjugated dyes with indolo[3,2,1-jk]carbazole (Fac. Sci., Josai Univ.) IDUTSU, Daiki; WAKAYAMA, Miho; MITSUKE, Koichiro; HASHIMOTO, Masashi
- 2PA-061** Preparation of the dimer liquid crystals with various flexible spacers and their physical properties (Coll. Life Sci., Ritsumeikan Univ.) SAKANAKA, Norie; YAMAMOTO, Shigeki; NAKASHOZI, Yuko; UEMURA, Tomohiro; KANEKO, Kosuke; HANASAKI, Tomonori
- 2PA-062** Synthesis of Gold Nanoparticles Capped with Side-on Mesogens and Their Physical Properties (Coll. Life Sci., Ritsumeikan Univ.) UJIHARA, Yoshihiro; OTO, Kodai; KANEKO, Kosuke; HANASAKI, Tomonori

Composite Materials

- 2PA-063** Li-ion conductivity in Clay-Poly(N-Isopropylacrylamide) Nanohybrid-Gel (Grad. Sch. Eng., Tokyo Denki Univ.) KOSUGI, Emiko; ISHIMARU, Shin'ichi
- 2PA-064** Reversible Adsorption Behavior of Cu(II), Zn(II), Pb(II) and Ni(II) on Clay-Poly(N-Isopropylacrylamide) Nanohybrids (Tokyo Denki Univ. Grad. Sch. Eng) KOIZUMI, Nagisa; ISHIMARU, Shin'ichi

- 2PA-065** Synthesis and properties of novel organic-inorganic hybrid liquid crystals containing gold ion (Coll. Life Sci., Ritsumeikan Univ.) NAKAJIMA, Momoko; TSUTSUMI, Osamu
- 2PA-066** Fabrication and Photofunctional Properties of Thin Films of Novel Sexithiophene Derivatives (Fac. Sci., Toho Univ.) URINO, Hiroto; KODAIRA, Akira; DOUDA, Yuka; PAC, Chyongin; MORIYAMA, Hiroshi
- 2PA-067** Preparation of gel glass dispersed liquid crystal film containing fluorescent substance (Grad. Sch. Life Sci., Ritsumeikan Univ.) FUKUYAMA, Yuki; SANADA, Tomoe; HANASAKI, Tomonori; KOJIMA, Kazuo
- 2PA-068** Near-infrared emission property of hydrogel complexes with Nd(III)/Yb(III) (Grad. Sch. Sci., Eng., Aoyama Gakuin Univ.) ZAMA, Yusuke; TERASHIMA, Taichi; YANAI, Kazushige; YAMANAKA, Masamichi; HASEGAWA, Miki
- 2PA-069** Synthesis of organic-inorganic hybrids by thiol-ene reaction of polysilsesquioxane copolymer (Fac. Sci. Technol., Tokyo Univ. of Sci.) SEKINE, Arata; ABE, Yoshimoto; TSUKADA, Satoru; GUNJI, Takahiro
- 2PA-070** Preparation and properties of polysilsesquioxane/fullerene hybrids (Fac. Sci. Technol., Tokyo Univ. of Sci.) MATSUTA, Yuya; HIRAMA, Kengo; WATANABE, Shiori; MITSUGI, Satoshi; TSUKADA, Satoru; GUNJI, Takahiro
- 2PA-071** Self-healing Properties of Organic-inorganic Hybrid Films by Thiol-ene Photo-crosslinking (Osaka Municipal Technical Research Institute) NISHIO, Kazuya; MITAMURA, Koji; WATASE, Seiji; NISHIOKA, Noboru; FUJITA, Hiroshi; FUKUDA, Takeshi; MATSUKAWA, Kimihiro

Carbon Materials

- 2PA-072** Synthesis of diamond particles by the contact arc method (Hachinohe National College of Technology) SAITO, Takayuki
- 2PA-073** Preparation and application of a composite of naturally-obtained iron oxide and carbon materials (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) HIURA, Towa; GOTOH, Kazuma; KASUKABE, Takatoshi; NISHIHARA, Hiroto; KYOTANI, Takashi; UKITA, Masahiro; HASHIMOTO, Hideki; TAKADA, Jun; ISHIDA, Hiroyuki
- 2PA-074** Influences of Catalyst Precursor on One-Step Liquid-Phase Synthesis of All Carbon Composites Based on Carbon Nanotubes and Carbon Paper (Fac. Eng., Tokyo Univ. of Sci.) KIJIMA, Masahiko; YAMAGIWA, Kiyofumi; SHIROISHI, Hidenobu; SAITO, Morihiro; KUWANO, Jun; TANAKA, Yumi
- 2PA-075** The electric double layer capacitor performance due to pore size control of carbon cryogel electrode (Fac. Env. Urban Eng., Kansai Univ.) DONOSHITA, Junpei; ODA, Hirokazu; NAKAGAWA, Kiyoharu
- 2PA-076** Synthesis of TiO₂ nanoparticles/O₂-dia photocatalyst and decomposition property of organic material (Fac. Env. Urban Eng., Kansai Univ.) HAYASHIDA, Yusuke; NAKAGAWA, Kiyoharu; ANDO, Toshihiro; ODA, Hirokazu

Glass and Amorphous Materials

- 2PA-077** Construction of Metal@spherical Mesoporous Titanium Dioxide Nanoparticles in Supercritical Methanol (KUT) TOORIYAMA, Hiroko; WANG, Pengyu; KOBIRO, Kazuya
- 2PA-078** A quantum chemical consideration on the difference in hydrogen absorption properties of Palladium/Platinum clusters: From an electron density point of view (Grad. Sch. Human Sci., Ochanomizu Univ.) MATSUDA, Aya; MORI, Hiroto
- 2PA-079** Growth of metal-organic frameworks on metal ion-doped polymer films (FIRST, Konan Univ.) KUMANO, Misato; TSURUOKA, Takaaki; NAWAFUNE, Hidemi; AKAMATSU, Kensuke
- 2PA-080** Chemical p/n switching of Inorganic nano wires (Grad. Sch. Mat. Sci., NAIST) KAMIKONYA, Fumihiko; NONOGUCHI, Yoshiyuki; KAWAI, Tsuyoshi

Functions of Materials

- 2PA-083** Correlation between percutaneous permeation of Amino acid ions and Hydrophile Lipophile Balance Number of D-Arginine, D-Lysine and D-Serine in Hairless Mouse and Human Skins (Meisei Univ. Program in Chemistry and Life Science; Nippon Medical School, Tama Nagayama Hospital Department of Dermatology; Suzuki Plastic Surgery Department of Dermatology) WATANABE, Yukio; OSAWA, Ikumi; TOYOSATO, Kei; HIGASHI, Naoyuki; OZAWA, Tomomi; SHIOYA, Kazune; MATSUMOTO, Megumi; SUZUKI, Harue; UEDA, Toyotoshi
- 2PA-084** Determination of optimum conditions for treatment of bisphenol A by laccase and its removal. (Coll. Industrial Tech., Nihon Univ.) TAKAHASHI, Ayumi; KIMURA, Yuji; KASHIWADA, Ayumi; YAMADA, Kazunori
- 2PA-085** Substituent effect on the photochromism of diarylethene derivatives having the substituted azulene ring (Fac. Sci. Tech., Ryukoku Univ.; RIKEN Research Cluster for Innovation; Sch. Pharm., TUPLS) MAEJIMA, Tatsuya; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; UCHIDA, Kingo
- 2PA-086** Thermal and photoinduced phase transitions of liquid crystals of azobenzene-triphenylene derivatives with ether linkages (Fac. Sci. Tech., Ryukoku Univ.; AIST Kansai Research Institute for Ubiquitous Energy Devices) MINOBE, Ryota; SHIMIZU, Yo; UCHIDA, Kingo
- 2PA-087** Photoinduced fluorescence switching of diarylethene derivatives at the single-molecule level (Sch. Eng. Sci., Osaka Univ.) ARAI, Yuhei; TAGA, Yuhei; TAKEI, Satoshi; ITO, Soji; MIYASAKA, Hiroshi; UNO, Kakishi; TAKAGI, Yuta; MORIMOTO, Masakazu; IRIE, Masahiro
- 2PA-088** Synthesis of thermally reversible photochromic diarylethene derivatives (Rikkyo Univ. Fac. Sci.) INABA, Kouhei; MORIMOTO, Masakazu; IRIE, Masahiro
- 2PA-089** Syntheses and photochromic properties of photochromic rotaxanes (Grad. Sch. Sci. Eng., Saga Univ.) YAMASHITA, Rikiya; KITAMURA, Takashi; WADA, Yuta; TAKESHITA, Michinori
- 2PA-090** Photochromism of Naphthacenequinone Oligomers (Fac. Eng., Oita Univ.) SHIN, Hayato; ABE, Yasunari; UESHIMA, Tomomi; KAWANO, Naohiro; MORIYAMA, Masaya
- 2PA-091** Spontaneously formed liquid crystalline polymer brush by surface segregation (Grad. Sch. Eng., Nagoya Univ.) MUKAI, Koji; HARA, Mitsuo; NAGANO, Shusaku; SEKI, Takahiro
- 2PA-092** Energy harvesting by iridium complexes in layer-by-layer deposited hybrid LB films (Fac. Sci., Toho Univ.; NIMS Environmental Remediation Materials Unit; Grad. Sch. Sci., Eng., Ehime Univ.) YAMAGISHI, Akihiko; TAMURA, Kenji; SATO, Hisako
- 2PA-093** Luminescent properties of rare-earth nanostructures: comparison between the surfactant template and hydrothermal methods (Shimane Univ. Graduate School of Education) AKITA, Yukihiko; TOMITA, Koji; NISHIYAMA, Katsura
- 2PA-094** Structures of organogels composed of aromatic molecules gelled by self-assembly in organic solvents: application to optical devices (Shimane Univ. Grad. School of Education) KATSUBE, Shotaro; KINOSITA, Masaru; UMECKY, Tatsuya; TAKAMUKU, Toshiyuki; KATSUMOTO, Yukiteru; KAJI, Toshihiko; HIRAMOTO, Masahiro; NISHIYAMA, Katsura
- 2PA-095** Complexation of Al-containing layered silicates with spherical silica particles (Fac. Eng., Shinshu Univ.) SUEYOSHI, Mai; SUZUKI, Asuka; MISHIMA, Shoji; OKADA, Tomohiko
- 2PA-096** Photochemical Behavior of Metal-Ion Doped Titanate Nanosheet/Porphyrin Alternating Stacked Films (Fac. Sci. Eng., Shimane Univ.) SOONTORNCHAIYAKUL, Wasusat; SASAI, Ryo
- 2PA-097** Synthesis and Optical Properties of Metal Nanoparticle Networks Covered with Polystyrene (Grad. Sch. Eng., Osaka City Univ.) SUGATA, Emi; FUJIOKA, Chisato; KOBATAKE, Seiya
- 2PA-098** Energy Transfer from Pyrene Derivative to Ru(bpy)₃²⁺ on Clay Nanosheet (Grad. Sch. Sci. and Technol., Niigata Univ.) SATO, Keita; MATSUBARA, Kazuki; SAITO, Kenji; YAGI, Masayuki; TAKAGI, Shinsuke; YUI, Tatsuto
- 2PA-099** Photophysical properties of porphyrin complexes in liquid crystals (IIS, The Univ. of Tokyo) TONOMURA, Itoko; ISHII, Kazuyuki
- 2PA-100** Photochemical Behavior of Porphyrin in Inorganic Nanostructures (Grad. Sch. Sci. and Technol., Niigata Univ.) SATO, Mitsuhiko; MATSUBARA, Kazuki; SAITO, Kenji; YAGI, Masayuki; YUI, Tatsuto
- 2PA-101** Synthesis of the anisotropic gel by hybridizing liquid crystalline hexanobate nanosheet and poly(N-isopropylacrylamide) (Fukuoka Inst. Tech.) SATO, Michiko; NAKATO, Teruyuki; MIYAMOTO, Nobuyoshi
- 2PA-102** Control of the Emission Properties of Long Persistent Luminescence Nanoparticles by Organic Fluorophore (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) YABUCHI, Yuki; TANIGUCHI, Nobuko; TAKI, Masayasu; YAMAMOTO, Yukio
- 2PA-103** Fabrication and Photoelectrochemical Application of Plasmonic Metal Nanoparticle Thin-Film (Osaka Prefecture Univ. Coll. of Tech.) TAKISHITA, Takao; NODA, Tatsuo; AKIYAMA, Tsuyoshi; HIGASHIDA, Suguru
- 2PA-104** Physical Properties Evaluation of Gold Nanoparticle modified Titanium Dioxide Nanotubes (Osaka Prefecture Univ. Coll. of Tech.) TOJO, Ayane; NODA, Tatsuo; HIGASHIDA, Suguru
- 2PA-105** Effects of π -conjugated system and aggregated structure on photoluminescence properties of liquid-crystalline gold complexes (Coll. Life Sci., Ritsumeikan Univ.) DAITANI, Misato; SUGIMOTO, Nana; TSUTSUMI, Osamu
- 2PA-106** Luminescent properties of mixtures of liquid-crystalline gold complex and room-temperature liquid crystal (Coll. Life Sci., Ritsumeikan Univ.) SHINOHARA, Miho; SUGIMOTO, Nana; TSUTSUMI, Osamu
- 2PA-107** Photoexcited States of UV-B Absorbers Salicylates and Photosensitized Production of Singlet Oxygen (Grad. Sch. Eng., Yokohama Natl. Univ.) SUGIYAMA, Kazuto; KIKUCHI, Azusa; YAGI, Mikio
- 2PA-108** Photosensitized Production and Quenching of Singlet Oxygen by a UV-B Absorber Ethylhexyl 4-(Dimethylamino)benzoate (Grad. Sch. Eng., Yokohama Natl. Univ.) YANAKA, Tomoo; KIKUCHI, Azusa; YAGI, Mikio
- 2PA-109** Electrochemical properties of organoboron room temperature ionic liquid (Sch. Mat. Sci., JAIST) MATSUDA, Ryota; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PA-110** Development of liquid-crystalline compounds based on oligo[3,4-dioxythiophene] (Grad. Sch. Eng., Kagawa Univ.) SEIKE, Kunihiko; SONODA, Akinari; FUNAHASHI, Masahiro
- 2PA-111** Liquid-crystalline perylene tetracarboxylic bisimide derivatives bearing branched trisiloxane moieties (Grad. Sch. Eng., Kagawa Univ.; HTRC, AIST) TAKEUCHI, Nozomi; FUNAHASHI, Masahiro; SONODA, Akinari

- 2PA-112** Composition Dependence of Memristive Switching Properties of Nonstoichiometric, Amorphous TiO_x Thin Films (Grad. Sch. Chi Sci. and Eng., Hokkaido Univ.) KURA, Chiharu; AOKI, Yoshitaka; TSUJI, Etsushi; HABAZAKI, Hiroki
- 2PA-113** Synthesis of Strong Blue Fluorescent 4,5-Bis(biphenyl)-substituted Imidazoles and Their Application to Deep Blue Fluorescent Organic Light-emitting Diodes. (Sojo Univ. Fac. Eng.; Phoenix) KUWAHARA, Renpei; TANAKA, Tatsuya; MIZUKI, Keiji; HATTA, Taizo
- 2PA-114** Physicochemical estimation of adsorption of chromium ions on grafted polyethylene films (Coll. Industrial Tech., Nihon Univ.) KIMURA, Yuji; ASAMOTO, Hiromichi; YAMADA, Kazunori; MINAMISAWA, Hiroaki
- 2PA-115** Preparation and NO_x adsorption of FeFe₂O₄ by Harber method (Sch. Sci. Eng., Kokushikan Univ.) KAMAMOTO, Kiyomi; OKADA, Shigeru; SHISHIDO, Toetsu
- 2PA-116** Optical properties of fluorene derivatives bearing S,S-dioxidized thiophene (Grad. Sch. Eng., Osaka City Univ.) NAKAHAMA, Tatsumoto; KOBATAKE, Seiya

Applications of Materials

high performance materials

- 2PA-119** Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Calcium Silicide Nanocomposite Possessing a Superoleophobic Characteristic (Hirosaki University Graduate school of science and technology; Hirosaki Univ. Faculty of agriculture and life science) SAITO, Tomoya; OGASAWARA, Takafumi; TSUSHIMA, Yusei; SAWADA, Hideo
- 2PA-120** Formation of Calcium Fluoride by the Reactions of Fluorinated Alcohols with Calcium Chloride (Hirosaki University Graduate school of science and technology; Hirosaki Univ. Faculty of agriculture and life science; UNIMATEC) SAITO, Tomoya; YAMAZAKI, Shohei; TSUSHIMA, Yusei; SATO, Katsuyuki; SAWADA, Hideo
- 2PA-121[#]** Photocatalytic Activity of Fluorinated Aliphatic Alcohols/Silica/Titanium Oxide Nanocomposites-encapsulated Low Molecular Weight Aromatic Compounds before and after Calcination (Hirosaki University Graduate school of science and technology; UNIMATEC) GUO, Sujuan; SATO, Katsuyuki; SAWADA, Hideo
- 2PA-122** Preparation of Fluoroalkyl End-capped Cooligomer Containing Diol Segment/Au Nanocomposites by the Autoreduction of Gold Ions in the Presence of the Corresponding Cooligomer (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology) NISHIURA, Katsuhito; KIJIMA, Tetsushi; SAWADA, Hideo
- 2PA-123** Preparation and Thermal Stability of Nitrile Segments-containing Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Silica Nanocomposite (Hirosaki University Graduate school of science and technology; AIST chubu) KABUTOMORI, Masakazu; OKUNO, Keita; NISHIDA, Masakazu; FUKAYA, Haruhiko; HAYAKAWA, Yoshio; SAWADA, Hideo
- 2PA-124** Preparation and Thermal Stability of Hydroxyl Segments End-capped N,N-dimethylacrylamide Oligomer/Silica Nanocomposite (Hirosaki University Graduate school of science and technology; AIST chubu) KABUTOMORI, Masakazu; OKUNO, Keita; NISHIDA, Yusei; FUKAYA, Haruhiko; HAYAKAWA, Yoshio; SAWADA, Hideo
- 2PA-125** Preparation and Properties of Fluorinated Alcohols/Boric Acid/Guest Molecules Nanocomposites (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; UNIMATEC) JIN, Natsuki; SAITO, Tomoya; OKUNO, Keita; SATO, Katsuyuki; SAWADA, Hideo
- 2PA-126** Preparation and Properties of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Boric Acid Nanocomposite-encapsulated a Variety of Guest Molecules (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; AIST Chubu) AOMI, Yuta; OGASAWARA, Takafumi; NISHIDA, Masakazu; TANAKA, Tomoko; SAWADA, Hideo
- 2PA-127** Preparation and Properties of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Boric Acid Nanocomposites in Protic and Aprotic Solvents (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology; AIST Chubu) AOMI, Yuta; OGASAWARA, Takafumi; NISHIDA, Masakazu; TANAKA, Tomoko; SAWADA, Hideo
- 2PA-128** Preparation and Application to the Surface Modification of Fluorinated Alcohols/Silica/Calcium Carbonate Nanocomposites (Hirosaki University Graduate school of science and technology; Hirosaki Univ. Faculty of agriculture and life science; UNIMATEC) IDOMUKAI, Satsuki; SAITO, Tomoya; TSUSHIMA, Yusei; SATO, Katsuyuki; SAWADA, Hideo
- 2PA-129** Proton Conductivity of Fluorinated Sulfonic Acid Derivatives/Silica Nanocomposites before and after Calcination at 800 °C (Hirosaki University Graduate school of science and technology; Nippon Chemical Industrial Co., Ltd.) SOMA, Saki; MIZUGUCHI, Yohei; SUGIYA, Masashi; SAWADA, Hideo
- 2PA-130** Encapsulated Low Molecular Weight Aromatic Compounds Possessing Non-flammable and Flammable Characteristic in Fluoroalkyl End-capped Styrene Dimer/Silica Nanocomposite Cores (Hirosaki University Graduate school of science and technology; Shimane Univ. school of medicine) OKUNO, Keita; IZUKA, Mari; YOSHIDA, Masato; OKAZAKI, Masaaki; YAMAZAKI, Shohei; SAWADA, Hideo

- 2PA-131** Preparation of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Silica Nanocomposites Possessing Phosphonium and Ammonium Segments and Their Application (Hirosaki University Graduate school of science and technology; Nippon Chemical Industrial Co., Ltd.) OIKAWA, Yuri; SAITO, Tomoya; MIZUGUCHI, Yohei; SUGIYA, Masashi; SAWADA, Hideo
- 2PA-132** Preparation of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Magnesium Carbonate Nanocomposites - Formation of Magnesium Fluoride during the Calcination Process (Hirosaki University Graduate school of science and technology) OIKAWA, Yuri; SAITO, Tomoya; KUDO, Ikue; SAWADA, Hideo
- 2PA-133** Preparation and Surface Modification of Fluoroalkyl End-capped Vinyltrimethoxysilane Oligomer/Poly(tetrafluoroethylene) Nanocomposites (Fac. Sci. Tech., Hirosaki Univ.; Hirosaki University graduate school of science and technology) TAKEGAHARA, Yutaro; OIKAWA, Yuri; NAGANO, Runa; SAWADA, Hideo

functional materials

- 2PA-134** Properties and application of liquid crystal materials showing electric-field-induced birefringence in a liquid phase (NRI, AIST; DIC Corporation) YAMAMOTO, Takahiro; NISHIYAMA, Isa
- 2PA-135** Device performance and synthesis of novel hole transport materials for OLEDs (KANTO CHEMICAL CO., INC. Central Research Laboratory) TAKAHASHI, Jumpei; SHINNAI, Toshinobu; FUKAGAWA, Hirohiko; SHIMIZU, Takahisa; TSUCHIYA, Kazuhiko
- 2PA-136** Development of all-optical controllable waveguide using photore-sponsive liquid crystals (Coll. Life Sci., Ritsumeikan Univ.) HAYASHI, Shumpei; SADAIKE, Yusuke; LI, Linghan; SUGIYAMA, Susumu; TSUTSUMI, Osamu
- 2PA-137** Electrochemical intercalation of Na into graphite-like layered materials BC_xN and B_xC as anodes of sodium ion batteries (Osaka Electro-Communication Univ.) YAMADA, Kaoru; KAWAGUCHI, Masayuki
- 2PA-138** Reduction of quinone imine dyes with sulfur compounds (Mukogawa Women's University, School of Human Environmental Sciences) HIOKI, Rie; SEGUCHI, Kazuyoshi; DANBAYASHI, Emi
- 2PA-139** Synthesis of heat-resistant near-infrared absorbing dyes (Fac. Eng., Gifu Univ.) FUNABIKI, Kazumasa; YAGI, Kazutaka; KUBOTA, Yasuhiro; MATSUI, Masaki
- 2PA-140** Effects of co-adsorbent on the performance of indoline dyes in dye-sensitized solar cells (Fac. Eng., Gifu Univ.) TOMITA, Ryo; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MANSWIKI, Kazuhiro; MATSUI, Masaki
- 2PA-141** Synthesis and optical properties of pyrimidine monoboron complexes with bulky substituent groups on the boron atom (Fac. Eng., Gifu Univ.) KUBOTA, Yasuhiro; TAKAI, Hiroki; FUNABIKI, Kazumasa; MATSUI, Masaki
- 2PA-142** Photostability improvement of beta-carotene by the adsorption on mesoporous silica (Grad. Sch. Eng., Shizuoka Univ.; Sch. Biosci. Biotech., TUT) KOHNO, Yoshiumi; KATO, Yasushi; SHIBATA, Masashi; MAEDA, Yasuhisa
- 2PA-143** Preparation of organotin-free and normal temperature hardenable elastic adhesives for concrete (Nagoya Municipal Industrial Research Institute) ONO, Satomi; TSUGE, Hiroyasu; KISHIKAWA, Nobuyuki; KAWASE, Satoru; KAWANAKA, Hirokazu; TSUDA, Hiroumi
- 2PA-144[#]** Properties of New Adhesive with Polyoxazoline Telechelics (Hachinohe National College of Technology Department of Chemical and Biological Engineering) SATOH, Kumiko; SASAKI, Natsumi
- 2PA-145** Development of new calcium carbonate composites based on the process of biomineralization (Nippon Paper Industries Co., Ltd.; Grad. Sch. Eng., The Univ. of Tokyo) ITO, Kotaro; NAGAHARA, Dai; HIRABARU, Chika; KAJIYAMA, Satoshi; NISHIMURA, Tatsuya; SAKAMOTO, Takeshi; KATO, Takashi
- 2PA-146** Anti-fog treatment with allylsilanes on the surface of glass (Dept. of Chem. Eng., NNCT) MICHIKAWA, Akiko; TAKAMATSU, Yoshinori; SHIMADA, Toyoshi
- 2PA-147** Fabrication and evaluation of FET using by proton conductive polymer as a channel (Sch. Mat. Sci., JAIST) HIRONORI, Kobayashi; YUHEI, Hayamizu; HIROAKI, Masuzima; NAGAO, Yuki

Friday, March 28, AM

(12 : 30~14 : 00)

Inorganic Chemistry

- 2PB-001** Effect of addition of alcohol on synthesis of aluminum tungstate (Fac. Sci., Kochi Univ.) UEYAMA, Ayumi; ONISHI, Haruna; OMICHI, Tomomi; FUJISHIRO, Fumito; SHIMANOUCI, Rie
- 2PB-002** Synthesis of boehmite/organic composites using polyhydroxoaluminum complex solution and ethylene glycol (Fac. Eng., Shinshu Univ.) YAMAGISHI, Toshimichi; YAMAGUCHI, Tomohiro; YAMAKAMI, Tomohiko; TARUTA, Seiichi
- 2PB-003** Development and the Reaction Process of the New Synthetic Method of *cyclo*-Dodecaphosphate (Grad. Sch. Eng., Kobe Univ.) NARIAI, Hiroyuki; KIMIGAFUKURO, Katsuyoshi; MATSUMURA,

- Suguru; KAJINAMI, Akihiko
- 2PB-004** Preparation and crystal structure of non-stoichiometric aluminum molybdates (Grad. Sch. Integrated Arts Sci., Kochi Univ.) NAKAMURA, Yuko; FUJISHIRO, Fumito; SHIMANOCHI, Rie
- 2PB-005** Magnetic effect on synthesis of hydroxyapatite prepared by homogeneous precipitation method (Fac. Edu., Chiba Univ.) HAYASHI, Hideko; KATSUMATA, Yasuhiro
- 2PB-006** Optical Properties and Phase Transition of Perovskite Halide CsMBr_{3-x}I_x (M = Sn, Pb) (Grad. Sch. Industrial Tech., Nihon Univ.) HIROSE, Satoshi; YAMANE, Yohei; YAMADA, Koji
- 2PB-007** Synthesis of Phosphane-gold(I) Cluster Cation Species by Polyoxometalate(POM)-Mediated Clusterization and Effect of POM (Fac. Sci., Kanagawa Univ.) NAGASHIMA, Eri; ARAI, Hidekazu; YASUDA, Yuta; YOSHIDA, Takuya; NOMIYA, Kenji
- 2PB-008** Hydration of Diphenylacetylene Catalyzed by Intercluster Compound Consisting of Tetraphosphane-gold(I) Cluster Cation and Polyoxoanion (Fac. Sci., Kanagawa Univ.) ARAI, Hidekazu; YOSHIDA, Takuya; YASUDA, Yuta; NAGASHIMA, Eri; NOMIYA, Kenji
- 2PB-009** Structure of the reaction product of monomeric, tri-titanium(IV)-substituted Dawson polyoxometalate with cationic organometallic species (Fac. Sci., Kanagawa Univ.) HOSHINO, Takahiro; MATSUKI, Yuhsuke; NOMIYA, Kenji
- 2PB-010** Syntheses of Monomeric and Cyclic Tetrameric Species of Di-Titanium(IV)-Substituted α_1 - Dawson Polyoxometalate (POM) Derived from Hexa-Lacunary Dawson POM (Kanagawa Univ.) MASUDA, Kana; OHTAKE, Atsushi; OSADA, Hironori; MATSUNAGA, Satoshi; NOMIYA, Kenji
- 2PB-011** Polyoxometalate-Mediated Clusterization of the Monomeric Phosphane-gold(I) Species (Fac. Sci., Kanagawa Univ.) YOSHIDA, Takuya; NOMIYA, Kenji
- 2PB-012** Syntheses and Molecular Structures of Novel Aluminum(III)-Containing Silicotungstates (Fac. Sci., Kanagawa Univ.) OSADA, Hironori; MATSUNAGA, Satoshi; NOMIYA, Kenji
- 2PB-013** Preparation of α_1 and α_2 isomers of mono-ruthenium substituted Dawson-type phophotungstate with aqua ligand, and their catalytic activity for alcohol oxidation (Grad. Sch. Eng., Hiroshima Univ.) NISHIKI, Kensuke; SANO, Tsuneji; SADAKANE, Masahiro
- 2PB-014** Preparation of new polyoxomolybdates with e-Keggin polyoxomolybdate building block (Fac. Eng., Hiroshima Univ.) HAIOKA, Terufumi; ZHANG, Zhenxin
- 2PB-015** Electrical conductivity of mixture of tri-lacunary Keggin, α -A Na₃[PMo₉O₃₁(H₂O)₃]13H₂O and lanthanum (Coll. Eng., Chubu Univ.) MASUTOMI, Takaaki; ISHIKAWA, Eri
- 2PB-016** Dielectric properties of mixed-valence [Mo^V₂Mo^{VI}₁₆O₅₄(SO₃)₂]⁶⁻ cluster (Grad. Sch. Sci. Eng., Yamaguchi Univ.) NAKAMURA, Ipppei; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki; TSUNASHIMA, Ryo
- 2PB-017** Synthesis of organic-inorganic hybrid compound constructed from Keggin-type polyoxometalate and cucurbit[6]uril. (Fac. Sci., Hiroshima Univ.) SASAKI, Yusaku; KATO, Chisato; SAKO, Nagisa; NISHIHARA, Sadafumi; MARYUNINA, Kseniya; TSUNASHIMA, Ryo; TATEWAKI, Yoko; INOUE, Katsuya
- 2PB-018** Recycle of pyrophosphoric acid by chloride-type layered double hydroxide (Kobe Pharm. Univ.) OTSU, Sawako; KAMIJI, Hitomi; YOSHIOKA, Aki; HAYASHI, Aki; NAKAYAMA, Hirokazu
- 2PB-019** Inorganic ion-exchange capability of carbonate-type layered double hydroxide (Kobe Pharm. Univ.) ISHIZUKA, Kaori; KOYAMA, Mayuka; MISTUHASHI, Chisato; HAYASHI, Aki; NAKAYAMA, Hirokazu
- 2PB-020** Flux-growth of platelet microcrystals of a layered titanate and osmotic swelling behavior of their protonated form in an amino-alcohol solution (MANA, NIMS) HOSHIDE, Tatsumasa; GENG, Fengxia; MA, Renzhi; FUJIMOTO, Kenjiro; ITO, Shigeru; SASAKI, Takayoshi
- 2PB-021** Preparation and Ion Exchange of Layer Structured Crystal RbTiTaO₅ (Tokuyama Coll. of Tech.) OHASHI, Masao
- 2PB-022** Deposition of a layered silicate on surfaces of silicas with different morphology (Fac. Eng., Shinshu Univ.) SHIMIZU, Kei; SUZUKI, Asuka; YOSHIDO, Shiho; MISHIMA, Shoji; OKADA, Tomohiko
- 2PB-023** Effect of the coexistence ions for cesium uptake by spongy formed sodium taeniolite (Showa Pharm. Univ. Analytical Chemistry of Medicines) SUZUKI, Noriko; KANNO, Chiaki; ASARI, Ryusuke; SEIMIYA, Kimiko; FUJISHIMA, Masahide; KAWAMURA, Hitomi; CHIKUMA, Toshiyuki
- 2PB-024** Preparation conditions and humidity response of phyllosilicate/alkylammonium/triethanolamine composites (NIMS Advanced Materials Process Unit) FUJII, Kazuko; HASHIZUME, Hideo; SHIMOMURA, Shuichi; ANDO, Toshihiro
- 2PB-025** Synthesis and acid-treatment of SiO₂-pillared fluorine micas. (Fac. Eng., Shinshu Univ.) SODA, Yoshinobu; YAMAGUCHI, Tomohiro; TARUTA, Seiichi
- and Reactions of a Hydrosilane Bearing Diarylborylmethyl Group (Fac. Sci., Hiroshima Univ.) KIMURA, Saki; KAWACHI, Atsushi; YAMAMOTO, Yohsuke
- 2PB-030** Synthesis and H-bonding network structures of trissilanol derivatives bearing 1,3,5-triethylbenzene framework (Grad. Sch. Fac. Sci., Kanagawa Univ.) FUKAWA, Marina; KABE, Yoshio
- 2PB-031** Preparation and Reactions of Hydrosilanes Having the Bulky Rind Groups (Fac. Sci. Eng., Kinki Univ.) MORIMOTO, Tatsuto; HACHIYA, Makoto; HASHIZUME, Daisuke; TAMAO, Kohei; MATSUO, Tsukasa
- 2PB-032** Preparation and Structure of Germanethione Having the Bulky Rind Groups (Fac. Sci. Eng., Kinki Univ.) FUJITA, Naoko; MORIMOTO, Tatsuto; LI, Liangchun; HASHIZUME, Daisuke; TAMAO, Kohei; FUENO, Hiroyuki; TANAKA, Kazuyoshi; MATSUO, Tsukasa
- 2PB-033** Reactions of a Zirconium Complex Supported by 1,4-Bis(aryloxy)benzene (Grad. Sch. Sci., Eng., Tokyo Tech) KUROGI, Takashi; ISHIDA, Yutaka; KAWAGUCHI, Hiroyuki
- 2PB-034** Synthesis of Metallacyclic Allenes (Fac. Sci., Sophia Univ.) KURITA, Rikako; ASADA, Takimi; SUZUKI, Noriyuki; MASUYAMA, Yoshiro
- 2PB-035** Synthesis and Reactions of Vanadium(II) Complexes Supported by a [O₂N] Tridentate Ligand (Grad. Sch. Sci., Eng., Tokyo Tech) WATANABE, Wataru; ISHIDA, Yutaka; KAWAGUCHI, Hiroyuki
- 2PB-036** A Side-on End-on Dinitrogen Bound Complex: Isolation of an Intermediate for Dinitrogen Cleavage by the Diniobium Tetrahydride Complex (Grad. Sch. Sci., Eng., Tokyo Tech) SUZUKI, Shouji; ISHIDA, Yutaka; KAWAGUCHI, Hiroyuki
- 2PB-037** Synthesis and Oxidation of Binuclear Metallocenes (Grad. Sch. Sci., Hiroshima Univ.) YASUHARA, Hiroki; KOGA, Kazuki; NAKASHIMA, Satoru
- 2PB-038** Synthesis of triazacyclononane iron complexes bearing pseudo-halogen ligands and their application to catalytic reactions (Grad. Sch. Eng. Sci., Kyushu Univ.; IMCE, Kyushu Univ.) YAMAMURA, Takafumi; NAKANISHI, Souichirou; NODA, Daisuke; SUNADA, Yusuke; NAGASHIMA, Hideo
- 2PB-039** Design and synthesis of novel disilatruthenacycle complexes and their application to catalytic reactions (Grad. Sch. Eng. Sci., Kyushu Univ.) OGUSHI, Hajime; SUNADA, Yusuke; NAGASHIMA, Hideo
- 2PB-040** Synthesis of Ruthenacyclopentanes via Oxidative Cyclization of Enamides and Electron-deficient Alkenes and their Reactivity (Fac. Sci., Nara Women's Univ.) AOYAGI, Nozomi; FUKUZAWA, Hiroko; URA, Yasuyuki; KATAOKA, Yasutaka
- 2PB-041** DFT Calculation of Cross-Dimerization between Methyl Methacrylate and 2,5-Dihydrofuran Catalyzed by Ru(0) Catalyst (Grad. Sch. Sci., Eng., Tokyo Tech) NAKAMURA, Saki; KAWAUCHI, Susumu; HIROI, Yuki; KOMINE, Nobuyuki; KOMIYA, Sanshiro; HIRANO, Masafumi
- 2PB-042** anti-Markovnikov Hydroamination of Allylic Alcohols catalyzed by Ruthenium Complex with Bis(imino)pyridine Ligand (Fac. Life Med. Sci., Doshisha Univ.) NAKAMURA, Yushi; OE, Yohei; OHTA, Tetsuo
- 2PB-043** Preparation of Ir(III) Halide Complexes Bearing the Ind-PO Ligand Working as a Bifunctional Catalysis (Fac. Sci., Nara Women's Univ.) ENDOU, Mariko; KOTERA, Megumi; YAMAMOTO, Midori; URA, Yasuyuki; KATAOKA, Yasutaka
- 2PB-044** Preparation of Iridium(III) Methyl Iodo Complexes Bearing a Chiral Alkylphosphine and an Indene-ring Chelate Ligand (Fac. Sci., Nara Women's Univ.) KURONUMA, Keiko; URA, Yasuyuki; KATAOKA, Yasutaka
- 2PB-045** Synthesis of 2-Aryl-3-oxocyclobutenyl Palladium(II) and Platinum (II) Complex from Propargyl Chloride, CO, and Metal (0) Precursors (Saitama Inst. of Tech. Fac. of Eng.) SEKI, Ryosuke; IWASAKI, Masakazu
- 2PB-046** Adsorption of borane onto the metal-organic framework having an amino group and its hydrogen adsorption-desorption properties (Grad. Sch. Eng., Oita Univ.) MATSUNAGA, Takahiro; KINUMOTO, Tarou; TUMURA, Tomoki; TOYODA, Masahiro
- 2PB-047** Synthesis and photo-induced hydrogen evolution of alkali or alkali earth metal complex of ortho-phenylenediamine (Fac. Sci. Eng., Chuo Univ.) ISHII, Junki; WAKIZAKA, Masanori; CHANG, Ho-chol
- 2PB-048** Spectrochemical properties of poly(1-pyrazolyl) ligands and effect of various metal ions (Grad. Sch. Sci., Eng., Saitama Univ.; Mol. Ana. Life Sci., Saitama Univ.) OGINO, Yasuyo; NAGASAWA, Akira; FUJIHARA, Takashi
- 2PB-049** Time-resolved EPR spectra of vanadyl-porphin (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) ASANO, Motoko; ASAMI, Tsubasa; YAMASHITA, Ken-ichi; SUGIURA, Ken-ichi; VAN DER EST, Art
- 2PB-050** Structures and Properties of Oxidovanadium(IV) and Nickel(II) Porphyrin Complexes (Fac. Sci. Eng., Shimane Univ.; Sch. Sci. Tech., Kwansei Gakuin Univ.) MURAI, Nami; IKEUE, Takahisa; KUBOTA, Takeshi; OMATA, Koji; YOSHIOKA, Daisuke; MIKURIYA, Masahiro; HANDA, Makoto
- 2PB-051** Control synthesis of Cr porous coordination polymers with different reactivity (Grad. Sch. Eng., Kyoto Univ.) KONGPATPANICH, Kanokwan; HORIKE, Satoshi; KITAGAWA, Susumu
- 2PB-052** Selective adsorption of CO₂ over C₂H₂ in a manganese porous coordination polymer (iCeMS, Kyoto Univ.) FOO, Maw lin; MATSUDA, Ryotoro; KITAGAWA, Susumu
- 2PB-053** One-Dimensional Mn(III)-Carboxylate Chains Exhibiting Canted

Coordination Chemistry, Organometallic Chemistry

- 2PB-027** Synthesis of H-shaped organosilicon compounds (Dept. Life Sci., Kurashiki Univ. of Sci. and the Arts) NEISHI, Kazuki; NAKA, Akinobu
- 2PB-028** Withdrawn
- 2PB-029** Intramolecular Si-H Bond Activation by Boryl Group: Preparation

- Antiferromagnetic Interactions (Grad. Sch. Sci., Tohoku Univ.) AONO, Yoshitaka; KAGESAWA, Koichi; KATOH, Keiichi; BREEDLOVE, Brian; YAMASHITA, Masahiro
- 2PB-054** Synthesis, Structures, and Reactivity of Dinuclear Mn Complexes Supported by a Biscarboxylate Bridging Ligand (Fac. Sci., Nara Women's Univ.) NAKAI, Ayako; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki
- 2PB-055** Syntheses and magnetic properties of alkoxy-bridged mixed-valence $[Mn_{15}]$ and $[Mn_{21}]$ complexes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) IDA, Hiromichi; SHIGA, Takuya; OSHIO, Hiroki
- 2PB-056** Synthesis and Characterization of Manganese(II) Semiquinonato Complex with Hydrotris(pyrazolyl)borate Ligand (Ibaraki Nat. Coll. of Tech. Chemistry and Material Engineering; Grad. Sch. Eng., Kanagawa Univ.; Chem. Res. Lab., Tokyo Tech) ICHINOSE, Kaori; MUNEMOTO, Masayuki; HAZAWA, Syougo; KOMATSUZAKI, Hidehito; NAKAZAWA, Jun; AKITA, Munetaka; HIKICHI, Shiro
- 2PB-057** Synthesis and property of metal(II) complex with dihydroxybenzene (Ibaraki Nat. Coll. of Tech. Department of Chemistry and Material Engineering; Grad. Sch. Eng., Kanagawa Univ.; Chem. Res. Lab., Tokyo Tech) SATOH, Taiga; HAZAWA, Syougo; FUJIHARA, Fumiya; AWANO, Yusaku; KOMATSUZAKI, Hidehito; NAKAZAWA, Jun; AKITA, Munetaka; HIKICHI, Shiro
- 2PB-058[#]** Efficient Molecular Iron Catalysts for CO₂ Reduction by Incorporating Local Proton Mediator (Inst. Sci. Tech. Res., Chubu Univ.) MAJUMDER, Samit; OHTA, Takehiro; NARUTA, Yoshinori
- 2PB-059** Electrochemical Behavior of Metal Complexes under Photoirradiation (SOKENDAI; IMS; JST ACT-C) FUKATSU, Arisa; OKAMURA, Masaya; YOSHIDA, Masaki; KONDO, Mio; MASAOKA, Shigeyuki
- 2PB-060** Synthesis and crystal structure of charge-transfer salts composed of an organic acceptor and hexacyanidoferrate(II) (Rikkyo Univ. Department of Chemistry) TANAKA, Rikako; MATSUSHITA, Nobuyuki
- 2PB-061** Structural and magnetic properties of Fe-Au based Hofmann-type Nicotinate complexes (Fac. Sci., Toho Univ.) UENO, Syotaro; OKABAYASHI, Jun; KITAZAWA, Takafumi
- 2PB-062** The substituent effect and SCO property of iron(II) complex with a tridentate Schiff-base ligands with different substituents (Fac. Sci. Eng., Kinki Univ.) YAMAO, Norifumi; YAMAGUCHI, Ryotarou; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA-SOWA, Takayoshi
- 2PB-063** Fabrication of Spin Crossover Thin Films Responsive to External Fields. (Grad. Sch. Eng. Sci., Kyushu Univ.) FUKUDA, Hiroki; KANG, Soonchul; KANEGAWA, Shinji; SATO, Osamu
- 2PB-064** Development of an Fe(II) complex exhibiting intermolecular proton transfer (Grad. Sch. Eng. Sci., Kyushu Univ.) NAKANISHI, Takumi
- 2PB-065** Synthesis and Physical Properties of Novel Oxalato- and Dithiooxalato-Bridged Dinuclear Iron Complexes (Fac. Sci., Tokyo Univ. of Sci.; Grad. Sch. Arts and Sci., The Univ. of Tokyo) SAKAGUCHI, Takeshi; IDA, Hiromichi; OKAZAWA, Atsushi; KOJIMA, Norimichi; ENOMOTO, Masaya
- 2PB-066** Spin Equilibrium and Charge Transfer Phase Transition in Mono-thiooxalato-Bridged Ni(II)-Fe(III) Heterometallic Complexes (Fac. Sci., Tokyo Univ. of Sci.; Grad. Sch. Arts and Sci., The Univ. of Tokyo; Grad. Sch. Sci., Tohoku Univ.) FUKAO, Yoichi; KAGESAWA, Koichi; OKAZAWA, Atsushi; KOJIMA, Norimichi; ENOMOTO, Masaya
- 2PB-067[#]** Synthesis of bio-inspired iron porphyrin catalysts and its application for highly efficient oxygen reduction reaction (Chubu Univ. Inst. of Sci. Tech. Res.) NAGARAJU, Perumandla; LIU, Jin-gang; OHTA, Takehiro; NARUTA, Yoshinori
- 2PB-068** Synthesis and electrochemical properties of a new pentanuclear iron complex bearing PCET sites (SOKENDAI; IMS; JST ACT-C) OKAMURA, Masaya; KUGA, Reiko; KONDO, Mio; MASAOKA, Shigeyuki
- 2PB-069** Syntheses, Structure and Evaluation of Catalytic Activity of 3d-4f Metal Complexes bearing Multidentate Redox-active Ligands (SOKENDAI; IMS; JST ACT-C) LIU, Ke; YOSHIDA, Masaki; KONDO, Mio; MASAOKA, Shigeyuki
- 2PB-070** Synthesis and Characterization of Redox-active Oligomers Using 1',1''-Biferrocenediboronic Acid as a Building Block (Grad. Sch. Mat. Sci., NAIST) AKITA, Tetsuhiro; TAHARA, Keishiro; KIKUCHI, Jun-ichi
- 2PB-071** Synthesis of guest size-tuned supramolecular cage (University of Cambridge Department of Chemistry) OGAWA, Masahiro; BOLLIGER, Jeanne; NITSCHKE, Jonathan
- 2PB-072** Development of Bulky Monodentate Arylthiolate Ligands and Their Complexation Properties (Fac. Sci. Eng., Kinki Univ.) HAMURA, Masahiro; GODA, Shun; MORIMOTO, Tatsuto; ITO, Mikinao; HASHIZUME, Daisuke; TAMAO, Kohei; MATUO, Tsukasa
- 2PB-073** Synthesis and Properties of a Novel Protonic Ligand and its Metal Complexes (Grad. Sch. Sci., Kobe Univ.) KATO, Yu; TAKAHASHI, Kazuyuki
- 2PB-074** Self-Assembly of Metal Complex Nanotubes and Their Application to Heterogeneous Catalyst (NRI, AIST) AOYAGI, Masaru; KOGISO, Masaki; SHIMIZU, Toshimi; MASUDA, Mitsutoshi
- 2PB-075** Photochemical characteristics of self-assembled supramolecular complexes of photosensitizer naphthalimide having a bipyridine moiety (Coll. Sci. Tech., Nihon Univ.) NITTA, Kaima; OTSUKI, Joe
- 2PB-076** Structures and magnetic properties of Hoffman-type complexes containing Co²⁺ ion (Fac. Sci., Toho Univ.; Grad. Sch. Sci., The Univ. of Tokyo) MATSUMOTO, Shinya; OKABAYASHI, Jun; KITAZAWA, Takafumi
- 2PB-077** Control of ferromagnetic transition temperature in a Cobalt layered magnet with a carboxylated diarylethene derivative as an intercalant (Fac. Sci., Tokyo Univ. of Sci.; Grad. Sch. Arts and Sci., The Univ. of Tokyo) INADA, Yu; KUBOTA, Shoko; OKAZAWA, Atsushi; KOJIMA, Norimichi; ENOMOTO, Masaya
- 2PB-078** Synthesis of a fused tris-salphen cobalt complex and its electrochemical properties (IIS, The Univ. of Tokyo) TAKAHASHI, Rei; NAGANO, Yuta; YOSHIKAWA, Isao; HOUJOU, Hirohiko
- 2PB-079** Dioxygen Activation by Metal(II) Thiophenolato Complexes and the Substituent Effects of Thiophenolato Ligands (Ibaraki Nat. Coll. of Tech. Chemistry and Material Engineering; Grad. Sch. Eng., Kanagawa Univ.; Chem. Res. Lab., Tokyo Tech) OTSUKI, Masafumi; EGUCHI, Hiroshi; KISHI, Norifumi; KOMATSUZAKI, Hidehito; NAKAZAWA, Jun; AKITA, Munetaka; HIKICHI, Shiro
- 2PB-080** Photocatalytic Hydrogen Evolution Reactions of a Macrocyclic Cobalt-Carbene Complex (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) KAWANO, Ken; YAMAUCHI, Kosei; SAKAI, Ken
- 2PB-081** Improvement in the efficiency of photochemical hydrogen generation catalyzed by cobalt complexes in vesicles (Grad. Sch. Arts and Sci., The Univ. of Tokyo) MATSUSHIMA, Satoko; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2PB-082** Structure and property of bi-nuclear Co complex crosslink with fluoride. (Fac. Sci. Eng., Kinki Univ.) INOMATA, Masataka; YABUMOTO, Shiomi; SUENAGA, Yusaku
- 2PB-083[#]** Layer-by-Layer fabrication of surface covalent nanostructure with porphyrin derivatives and 1,4-phenylene diisocyanate (Sch. Mat. Sci., JAIST) LAMLUA, Banjongsak; OHYAMA, Takahiro; NAGAO, Yuki
- 2PB-084** Oxygen Reduction Evaluation of Co(II) Porphyrin-based Fuel Cell Catalyst Made by Layer-by-Layer Method (Sch. Mat. Sci., JAIST) OHYAMA, Takahiro; NAGAO, Yuki
- 2PB-085** Synthesis and structures of chiral metallo-foldamers (Grad. Sch. Sci., Osaka City Univ.) FUJITA, Aiko; SHINODA, Satoshi; MIYAKE, Hiroyuki
- 2PB-086** Synthesis and structure of cobalt binuclear complex containing bridging-EDTA ligand (Fukushima Univ. Fac. Symb. Sys. Sci.) TAKAO, Yuta; TAKASE, Tsugiko; INOMATA, Shinji
- 2PB-087** Synthesis and Properties of Cobalt(II/III) Complexes with a Strand Type Hexadentate Ligand Containing Thioether and Amidate Donor Groups (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) TADA, Toshiaki; YAMANE, Yuki; SUZUKI, Takayoshi; SUNATSUKI, Yukinari; KOJIMA, Masaaki
- 2PB-088** Synthesis and Property of Cobalt(II) Complexes with Sulfur Containing Ligands (Ibaraki Nat. Coll. of Tech.; Grad. Sch. Eng., Kanagawa Univ.; Chem. Res. Lab., Tokyo Tech) ISHIDA, Masaya; KOBAYASHI, Takuji; KANAZAWA, Yuta; KOMATSUZAKI, Hidehito; NAKAZAWA, Jun; AKITA, Munetaka; HIKICHI, Shiro
- 2PB-089** Thermodynamic properties of chiral Ni(II)-salen derivative bearing alkoxy groups (Fac. Sci., Tokyo Univ. of Sci.) YOSHIDA, Takashi; SHIODA, Ayumi; ICHIMURA, Shuhei; SAEKI, Masahiro; TAMAKI, Yoshinori; MIYAMURA, Kazuo
- 2PB-090** Hydrogen Evolution from Water Catalyzed by Water-Soluble Nickel Dithiolate Complexes (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) KOSHIBA, Keita; YAMAUCHI, Kosei; SAKAI, Ken
- 2PB-091** Odd-Even Effect and Crystal Structure Changes Observed in Aromatic-Substituted Analogue of $[Ni(dmit)_2]$ Salts (Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.) SAEKI, Masahiro; DAI, Kotaro; ICHIMURA, Shuhei; TAMAKI, Yoshinori; TOMONO, Kazuaki; MIYAMURA, Kazuo
- 2PB-092** Observation of dynamic guest inclusion process in the crystalline peptide Ni(II)-macrocycles (Fac. Sci., Ochanomizu Univ.) MIYAKE, Ryouke; MASUMOTO, Yui; KUWATA, Chika; SHIONOYA, Mitsuhiko
- 2PB-093** Co-crystallization of dithiocarbamate complexes with amino acid ester skeleton (OIT) NOMURA, Ryoki; BUIHATHANH, Thien; MITSUKURI, Hitoshi; SHIMOMURA, Osamu; OTAKA, Atsushi
- 2PB-094** Synthesis and structure of the helical dinuclear metal complexes of open chain heptapyrrole derivatives (Grad. Sch. Sci., Kobe Univ.) SAITO, Daiki; SETSUNE, Jun-ichiro
- 2PB-095[#]** Studies on the Selective Binding Properties Involving New Conceptual Host Controlled Molecular Recognition using Macrocyclic Complexes (Suncheon National University Dept. of Chemistry) KWAK, Chee-hun; LEE, Jae myung; CHUNG, Minchul
- 2PB-096** Development of Organic Thin-Film Solar Cells with Dithiocarbamate Coordination Polymers (Fac. Sci. Eng., Kinki Univ.; JST-PRESTO) KOUNO, Yuki; HIMOTO, Kento; NAKATANI, Kenji; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA-SOWA, Takayoshi
- 2PB-097** Photoexcited state energy transfer of dual-emission in cubane-like tetranuclear copper (I) halide complexes (Grad. Sch. Mat. Sci., Univ. of Hyogo) YAMASAKI, Shota; OZAWA, Yoshiki; TORIUMI, Koshiro
- 2PB-098** Pressure dependence of luminescent properties of pyridinethiolato Cu(I) and Ag(I) multinuclear complexes (Grad. Sch. Mat. Sci., Univ. of Hyogo) KUBO, Masahiro; NISHIYAMA, Manami; OZAWA, Yoshiki; YASUDA, Nobuhiro; AKAHAMA, Yuichi; TORIUMI, Koshiro
- 2PB-099** Visible light-induced reduction of Cr(VI) ion in hybrid systems of

- chiral Schiff base Cu(II) complexes and titanium(IV) oxide in organic solvents (Fac. Sci., Tokyo Univ. of Sci.) YOSHIDA, Naoki; AKITSU, Takashiro
- 2PB-100** Catalytic Water Oxidation by Copper Complexes with a Tridentate Ligand (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) TERAO, Ryota; NAKAZONO, Takashi; PARENT, Alexander; SAKAI, Ken
- 2PB-101** Redox Mediator Property of Cu(II)/(I) on Glassy Carbon Electrode Modified with 2,2'-bipyridine (Fac. Sci., Hiroshima Univ.) IMAIZUMI, Saori; KUME, Shoko; MIZUTA, Tsutomu
- 2PB-102** Synthesis, crystal structure and chiral recognition of a novel chiral MOF built from (R)-2,2'-dihydroxy-1,1'-binaphthalene-6,6'-dicarboxylic acid. (Fac. Chem. Materials and Bioeng., Kansai Univ.) OTSUBO, Yasuhiro; TANAKA, Koichi; LIPKOWSKA, Zofia
- 2PB-103** Synthesis of novel chiral CuMOFs using (R)-2,2'-dimethoxy-1,1'-binaphthalene-5,5'-dibenzoic acid and (R)-2,2'-hydroxy-1,1'-binaphthalene-5,5'-diisophthalic acid (Fac. Chem. Materials and Bioeng., Kansai Univ.) YOSHIMURA, Keita; TANAKA, Koichi
- 2PB-104** Synthesis and Structure of Copper Complexes Supported by New Tetrathiosulfide Ligands (Fac. Sci., Nara Women's Univ.) HACHIKEN, Kanae; KURE, Bunsho; NAKAJIMA, Takayuki; TANASE, Tomoaki
- 2PB-105** Structures, synthesis of metal-organic frameworks with highly pi-conjugated ligand (Grad. Sch. Sci., Tohoku Univ.) WU, Bin; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 2PB-106** Fine-tuning of molecular rotation in solid-solution of soft porous coordination polymers (iCeMS, Kyoto Univ.) INUKAI, Munehiro; HORIKE, Satoshi; FUKUSHIMA, Tomohiro; KITAGAWA, Susumu
- 2PB-107** Enantiomer separation using double pillar type chiral ZnMOF as HPLC stationary phase (Fac. Chem. Materials and Bioeng., Kansai Univ.) NAGASE, Shohei; TANAKA, Koichi
- 2PB-108** Top-down fabrication and application of crystalline metal-organic framework nanosheets (UBIQEN, AIST) SONG, Fuzhana; XU, Qiang
- 2PB-109** Photoreactive porous coordination polymers based on reversible cyclization reactions (iCeMS, Kyoto Univ.) ZHENG, Yongtai; SATO, Hiroshi; KITAGAWA, Susumu
- 2PB-110** Synthesis and properties of molybdenum dithiolene complexes having phosphine ligands (Tokyo Univ. of Sci.) ABE, Naoya; TSUKADA, Satoru; GUNJI, Takahiro
- 2PB-111** Mukaiyama aldol reaction in aqueous media by Zr(IV)-containing POMs as Lewis acid catalyst (Grad. Sch. Fac. Sci., Kanagawa Univ.) TAKAKURA, Akira; NOMIYA, Kenji
- 2PB-112** Photocatalysis of a Ru(II)-Re(I) multinuclear complex (Grad. Sch. Sci., Eng., Tokyo Tech) NAKADA, Akinobu; MORIMOTO, Tatsuki; KOIKE, Kazuhide; ISHITANI, Osamu
- 2PB-113** Theoretical Studies on Device Performance of Quantum-Dot Cellular Automata using Creutz-Taube Square (Kogakuin Univ. Division of Liberal Arts) SAKAKIBARA, Masako; TOKUNAGA, Ken
- 2PB-114** Control of Luminescent Behavior in Transparent Films Incorporating a pH-Sensitive Luminescent Ru(II) Complex (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TAMAKI, Satoshi; KAMEBUCHI, Hajime; OKAZAWA, Atsushi; KOJIMA, Norimichi
- 2PB-115** Metal complexes with diacetylpyridine dioxime: synthesis and physicochemical properties (Coll. Sci. Tech., Nihon Univ.) YAMASHITA, Kohei; SUGAWA, Kosuke; OTSUKI, Joe
- 2PB-116** Proton Coupled Electron Transfer Reaction and Mixed-Valence State of Proton-responsive Ru Dinuclear Complex (Grad. Sch. Sci. Eng., Chuo Univ.) YOSHIKAWA, Kai; OZAWA, Hiroaki; HAGA, Masa-aki
- 2PB-117** NO reduction cycle by dinuclear ruthenium complex (IMCE, Kyushu Univ.) SUZUKI, Tatsuya; SHIOTA, Yoshihito; POOKKOTTU, Kunmath sajith; TANAKA, Hiromasa; ARIKAWA, Yasuhiro; YOSHIZAWA, Kazunari
- 2PB-118** Effects of the substituents X in the ligands on catalytic activities of [Ru(X₂bpy)₂(CO)]²⁺ for CO₂ reduction (Sch. Sci., Kitasato Univ.) ITABASHI, Jun; TAKEDA, Hiroyuki; USHIDA, Kiminori; ISHIDA, Hitoshi; ISHITANI, Osamu
- 2PB-119** Photochemical oxygen evolution in vesicles catalyzed by a ruthenium complex having electron-withdrawing groups (Grad. Sch. Arts and Sci., The Univ. of Tokyo) SATO, Youichi; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2PB-120** The effect of acid or base on photochemical ligand exchange reaction of ruthenium complexes (Urban Environmental Sci., Tokyo Metropolitan Univ.) KOBAYASHI, Aiko; EGUCHI, Tomohumi; SATO, Kiyoshi; YAMAGUCHI, Motowo
- 2PB-121** Efficient solar-driven CO₂ reduction with p-CuO photocathode/catalyst assembly (Chubu Univ. Inst. of Sci. & Tech. Res.) MOHAMED, Eman a.; ZAHARAN, Zakinebeih; NARUTA, Yoshinori
- 2PB-122** Synthesis and Properties of N-Confused Porphyrin Ruthenium Complexes (Grad. Sch. Eng., Kyushu Univ.) MASHITA, Shun-ichi; YAMAMOTO, Takaaki; TOGANO, Motoki; ISHIDA, Masatoshi; MORI, Shigeki; FURUTA, Hiroyuki
- 2PB-123** Stabilization of a metal-carbon bond by control of coordination sphere in ruthenium carbonyl complexes (Fukushima Univ.) UKAWA, Narumi; KOMURO, Takahiro; TAKASE, Tsugiko; OYAMA, Dai
- 2PB-124** Oxidation behavior of hydrazone-ruthenium(II) complex upon deprotonation from hydrazone moiety (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) MORI, Asami; NAKAJIMA, Kiyohiko; SUNATSUKI, Yukinari; SUZUKI, Takayoshi
- 2PB-125** Synthesis of [14]triphyrin(2.1.1) ruthenium complex (Grad. Sch. Mat. Sci., NAIST) MORI, Yasuyuki; KUZUHARA, Daiki; ARATANI, Naoki; YAMADA, Hiroko
- 2PB-126** Multipoint arene-perfluoroarene interactions for self-assembly of ruthenium paddle-wheel dimers with open axial sites (IMS; SOKENDAI; JST ACT-C) CHINAPANG, Pondchanok; ITOH, Takahiro; KONDO, Mio; MASAOKA, Shigeyuki
- 2PB-127** Synthesis and Structure of Heteroleptic Ru(II) Complex with 2,2'-Bipyridine and Tetradentate Oligo- α -Pyridylamine Ligand. (Department of Sci. Tech., Meiji Univ.) CHOI, Jungwon; TOYAMA, Mari; NAGAO, Noriharu
- 2PB-128** Development of photo-oxygen-evolving molecular devices involving oxygen-evolving centers and multi-electron-storage moieties (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) YAMAMOTO, Keiya; KITAMOTO, Kyouji; SAKAI, Ken
- 2PB-129** Synthesis and Structure of Mononuclear Ru(II)-dmsO Complex with an Unsymmetrical Bis-Bidentate Ligand (Sch. Sci. Eng., Meiji Univ.) TAKEUCHI, Taichi; MAKISE, Takashi; TOYAMA, Mari; NAGAO, Noriharu
- 2PB-130** Synthesis and Host-Guest Interaction of Multinuclear Box-Shaped Cluster Complexes Containing Trinuclear Ruthenium Complexes and Porphyrins. (Grad. Sch. Eng., Kyushu Univ.) TOMODA, Mitsuru; ABE, Masaaki; TANIGUCHI, Naoki; INATOMI, Atsushi; ONO, Toshikazu; SHIMAKOSHI, Hisashi; HISAEDA, Yoshio
- 2PB-131** Substituent Effect on Photophysical Properties of an Iridium Complex with Ligands of Coumarin 6 (Grad. Sch. Arts and Sci., The Univ. of Tokyo) TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2PB-132** Photosensitizing properties of cationic iridium complexes in vesicles (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ZENG, Fanyang; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2PB-133** Synthesis and photophysical properties of N-linked corrole Ir(III) complex (Fac. Eng., Kyushu Univ.) ISHIKAWA, Takahiro; TOGANO, Motoki; FURUTA, Hiroyuki
- 2PB-134** Photochemical behaviors of cationic iridium complexes having pyrene moieties (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ABOSHI, Ryo; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2PB-135** Emission and photosensitizing properties of novel cyclometalated iridium complexes (Grad. Sch. Fac. Sci., Kanagawa Univ.) GOTO, Kota; KATAOKA, Yusuke; KAWAMOTO, Tatsuya
- 2PB-136** Synthesis of New Iridium(III) Complexes Bearing Heterocyclic Compounds-based Bidentate Ligands. (Kobe City Coll. Technol.) OHFUCHI, Shin-ichi; YOSHIDA, Yugo
- 2PB-137** Chromotropism of Hydroxo-bridged Dinuclear Rhodium(III) Complexes Containing Tripodal Tridentate Phosphine Ligands (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) KASHIHARA, Makoto; SUZUKI, Takayoshi; SUNATSUKI, Yukinari; SHINOZAKI, Kazuteru; TAKAYASU, Satoshi
- 2PB-138** Photophysical properties of Pd(II) complexes with cyclometalated tridentate ligands (Grad. Sch. Sci. Eng., Univ. of Toyama) NAKAGAWA, Tomomi; MAEBA, Junichi; IWAMURA, Munetaka; NOZAKI, Koichi
- 2PB-139** Photocatalytic reduction of water by carboxylate-bridged palladium (II) complexes (Fac. Sci., Kanagawa Univ.) KITAMURA, Takuma; KATAOKA, Yusuke; KAWAMOTO, Tatsuya
- 2PB-140** Comparison of Trinuclear Complexes with a Chelated NHC Pd or Pt Moiety (Grad. Sch. Sci., Osaka City Univ.) MAEDA, Yuri; HASHIMOTO, Hideki; KINOSHITA, Isamu; NISHIOKA, Takanori
- 2PB-141** Syntheses and Properties of Platinum and Palladium Complexes with Chelated Bis-N-Heterocyclic Carbene Ligands Having Two Sugar Moieties (Grad. Sch. Sci., Osaka City Univ.) NAKAO, Keita; HASHIMOTO, Hideki; KINOSHITA, Isamu; NISHIOKA, Takanori
- 2PB-142** Highly-dispersed AuNi Alloy Nanoparticles Encapsulated in MIL-101 as High-performance Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane (UBIQEN, AIST) LI, Jun; ZHU, Qi-long; XU, Qiang
- 2PB-143** Synthesis, Molecular Structure and Antimicrobial Activities of Silver (I) (*D*-, *L*-, *DL*-)Arginates (Fac. Sci., Kanagawa Univ.) AKIHIKO, Takayama; NORIKO, Chikaraishi; KENJI, Nomiya
- 2PB-144** Synthesis of amorphous coordination polymer with imidazole for proton conduction at intermediate temperature (Grad. Sch. Eng., Kyoto Univ.) HAGI, Keisuke; HORIKE, Satoshi; UMEYAMA, Daiki; KITAGAWA, Susumu
- 2PB-145** Synthesis and characterization of Dawson-type mono-magnesium-substituted polyoxotungstate (Fac. Sci., Shizuoka Univ.) MIYAMAE, Daisuke; MORI, Toshiya; KASHIWAGI, Toshifumi; KATO, Chika
- 2PB-146** Synthesis of organozirconium complex with Kegging-type mono-magnesium-substituted polyoxotungstate (Fac. Sci., Shizuoka Univ.) ARATA, Shunya; UNNO, Wataru; KATO, Chika
- 2PB-147** Synthesis and characterization of bipyridyl platinum(II)-coordinated polyoxotungstate (Fac. Sci., Shizuoka Univ.) IHARA, Yuuki; KATO, Chika
- 2PB-148** Synthesis and Characterization of Platinum Complexes for Photoluminescence Materials (Suncheon National University Dept. Chemical Engineering) SHON, Seokhwan; KWAK, Cheehun; CHUNG, Minchul
- 2PB-149** Development of photo-hydrogen-evolving electrodes modified with terpyridineplatinum(II)-derived molecular anchors (Kyushu Univ. Fac. Sci.; Kyushu Univ. WPI-I2CNER; Kyushu Univ. CMS) SHIKA, Takuto; SAKAI,

- Kakeru; YAMAUCHI, Kosei; SAKAI, Ken
- 2PB-150** Kinetic study on the reaction of the HH pivalamidato-bridged Platinum(III) Binuclear complex having axial Cl- ligands with p-styrenesulfonate (Sch. Advanced Sci. Eng., Waseda Univ.) KAMEZAKI, Yu; TERADA, Takaaki; KISHI, Masatoshi; SUGAYA, Tomoaki; ISHIHARA, Koji; MATSUMOTO, Kazuko
- 2PB-151** Syntheses and properties of Pd and Pt complexes with NHC ligands having a long alkyl chain and a sugar unit. (Grad. Sch. Sci., Osaka City Univ.) ODA, Akiya; HASHIMOTO, Hideki; KINOSHITA, Isamu; NISHIOKA, Takanori
- 2PB-152** Synthesis and characterization of platinum complexes of diphenyltriazolate (Nagasaki Univ. Grad. Sch. Eng.) HAMASAKI, Shoko; KANEMATSU, Yasunori; ARIKAWA, Yasuhiro; UMAKOSHI, Keisuke
- 2PB-153** Synthesis and characterization of mixed-metal complexes of bipyridine derivatives (Nagasaki Univ. Grad.Sch.Eng.) SUGIYASU, Risa; HIGASHITANI, Ami; ARIKAWA, Yasuhiro; UMAKOSHI, Keisuke
- 2PB-154** Synthesis and structural characterization of supramolecular platinum (II) complexes of tetra nuclear metalocycle (Nagoya Inst. of Tech. Graduate School of Engineering) TODA, Takafumi
- 2PB-155** Syntheses and physical properties of imidazolate-bridged multinuclear platinum complexes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KAWAI, Yuya; NIHEI, Masayuki; OSHIO, Hiroki
- 2PB-156** Synthesis and Magnetic Properties of a Mixed (Porphyrinato) (Phthalocyaninato) Tb(III) Double-Decker Complex (Sch. Sci., Tohoku Univ.) HIROSE, Reo; KATOH, Keiichi; YAMASHITA, Masahiro
- 2PB-157** Relationship between Molecular Packing and Magnetic Properties of Terbium(III)-Phthalocyanato Double-Decker SMM Complex (Sch. Sci., Tohoku Univ.) YAMABAYASHI, Tsutomu; KATOH, Keiichi; YAMASHITA, Masahiro
- 2PB-158** Relationship between Structure and Magnetic Relaxation of Dimerized Tb(III) SMM Complex (Grad. Sch. Sci., Tohoku Univ.) HORIE, Kosuke; KATOH, Keiichi; YAMASHITA, Masahiro
- 2PB-159** Structural and Physical properties of lanthanide complexes with porphyrazine derivatives fused with thiazazole rings. (Grad. Sch. Sci., Osaka Univ.) KOMATSU, Hiroyuki; FUYUHIRO, Akira; FUKUDA, Takamitsu; ISHIKAWA, Naoto
- 2PB-160** Synthesis of Alkylated Porphyrin Tb Single Molecule Magnets and the Systematic Property Estimation (Sch. Sci., Osaka Univ.) SHIMONO, Satsuki; TANAKA, Daisuke; INOSE, Tomoko; TANAKA, Hirofumi; ISHIKAWA, Naoto; OGAWA, Takuji
- 2PB-161** Magnetic properties of Terbium(III)-Fused Phthalocyaninato Stacked Complex (Grad. Sch. Sci., Tohoku Univ.; JST CREST) MORITA, Takaumi; KATOH, Keiichi; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 2PB-162** Synthesis and Magnetic Properties of Tb(III) Phthalocyaninato Triple-Decker Complex (Sch. Sci., Tohoku Univ.) SATO, Akira; KATOH, Keiichi; YAMASHITA, Masahiro
- 2PB-163** Synthesis of Multiple-decker Pc complexes with hetero π electronic system (Grad. Sch. Sci., Osaka Univ.) ITO, Kazuki; FUKUDA, Takamitsu; FUYUHIRO, Akira; ISHIKAWA, Naoto
- 2PB-164** Synthesis and Properties of Heteroleptic Triple-decker Sandwich Dinuclear Lu(III) Complexes Containing Octabutoxy- and Octamethyl-substituted Phthalocyanines (Part 3) (Fac. Sci., Kyushu Univ.) TAKAHASHI, Kazuhiro; SUENAGA, Masahiko
- 2PB-165[#]** Modification of the Single-Molecule Magnet Behaviors of lanthanide complexes (Grad. Sch. Sci., Tohoku Univ.) COSQUER, Goulven; MORIMOTO, Masakazu; YAMASHITA, Masahiro
- 2PB-166** New Synthetic Route of Lanthanide-Tetraamide Cyclen Complexes (Grad. Sch. Sci., Osaka City Univ.) SATAKE, Ryosuke; SHINODA, Satoshi; TSUKUBE, Hiroshi; MIYAKE, Hiroyuki
- 2PB-167** Substituent effects of ligands on induced CPL intensity in chiral molecular sensing using Eu complexes (Grad. Sch. Sci. Eng., Univ. of Toyama) UCHIDA, Takaaki; OKUTANI, Kazuhiro; IWAMURA, Munetaka; NOZAKI, Kouichi
- 2PB-168** Luminescence properties of Schiff base-europium(III) mononuclear complexes with a tertiary or quaternary ammonium counter cation in solid state (Chiba Inst. of Tech.) MIYAGAI, Natsuki; TSUCHIMOTO, Masanobu; WATANABE, Masayuki; NAKAJIMA, Kiyohiko
- 2PB-169** Synthesis of self-assembled multinuclear Eu complexes (Grad. Sch. Eng., The Univ. of Tokyo) SHIRAKURA, Daichi; SATO, Sota; FUJITA, Makoto
- 2PB-170** Synthesis and magnetic property of a dysprosium complex with a Fermetalloligands having Fe spin crossover behavior. (Kinki Univ.) MATSUI, Tatsuhiko; YAMAGUCHI, Ryoutarou; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA, Takayoshi
- 2PB-171** The composition of the rare earth elements system two nuclear complex built in screw Schiff base ligands and magnetic characteristic (Fac. Sci. Eng., Kinki Univ.) HOSOKAWA, Takuma; YAMAGUCHI, Ryoutarou; OKUBO, Takashi; MAEKAWA, Masahiko; KURODA, Takayoshi
- 2PB-172** Catalytic Activity and Enantioselectivity of C-H Hydroxylation by Manganese Porphycene in the Myoglobin Matrix (Grad. Sch. Eng., Osaka Univ.) NISHIURA, Takako; KIHARA, Yushi; OOHORA, Koji; HAYASHI, Takashi
- 2PB-173** Synthesis of the Manganese-Oxo Cluster from Mn(II) Complex Carrying Bulky Alcoxide Ligands (RCMS, Nagoya Univ.) SHUNSUKE, Senda; TAKAHIRO, Itoh; YUMIKO, Kogawa; YASUHIRO, Ohki; KAZUYUKI, Tatsumi
- 2PB-174[#]** Dithiolate-Bridged Dinuclear Iron-Nickel Complexes in Various Oxidation States Modeling the Active Site of [NiFe] Hydrogenase (RCMS, Nagoya Univ.) ZILONG, Li; YASUHIRO, Ohki; KAZUYUKI, Tatsumi
- 2PB-175** Synthesis and reactivity studies of multicopper oxidase model complexes (IMCE, Kyushu Univ.) OHTA, Takehiro; NARUTA, Yoshinori
- 2PB-176** Model complexes of the Cu₄ electron transfer site (Grad. Sch. Fac. Sci., Kanagawa Univ.) TAKAHASHI, Wataru; NEDACHI, Yuki; KAWAMOTO, Tatsuya
- 2PB-177** Correlation between Structure and Function of Metalloenzymes Containing a Zinc Ion (Univ. Aichi Prefecture Dep. Info. Sci. & Tech) TAURA, Toshiaki; GOTO, Masayo
- 2PB-178** Application for Photodynamic Chemotherapeutic Agents of Heterodinuclear Ruthenium(II)-Platinum(II) complexes (Fac. Chem. Materials and Bioeng., Kansai Univ.) YANO, Takakazu; HISHIDA, Shota; NAKAI, Misaki; NAKABAYASHI, Yasuo
- 2PB-179** DNA-Binding of Dinuclear Ruthenium(II) Complexes Bridged Flexible Ligands (Fac. Chem. Materials and Bioeng., Kansai Univ.) NAKAGAWA, Tomohiro; NAKAI, Misaki; NAKABAYASHI, Yasuo
- 2PB-180** Anticancer Activity of Cyclometalated Ruthenium(II) Complexes (Fac. Chem. Materials and Bioeng., Kansai Univ.) MATSUI, Takahiro; NAKAI, Misaki; NAKABAYASHI, Yasuo
- 2PB-181** Construction of a Protein-RhCp* Hybrid as an Artificial Biocatalyst (Grad. Sch. Eng., Osaka Univ.) TACHIKAWA, Kengo; FUKUMOTO, Kazuki; ONODA, Akira; HAYASHI, Takashi
- 2PB-182** Theoretical Study of Electronic Structure of the Phthalocyanine Analogues Complexes Having Lanthanide Ions (Sch. Sci., Osaka Univ.) SAITO, Masataka; FUYUHIRO, Akira; FUKUDA, Takamitsu; ISHIKAWA, Naoto

Friday, March 28, PM

(15 : 00~16 : 30)

Organic Chemistry -Reaction and Synthesis-Heterocyclic Compounds

- 2PC-001** Asymmetric Hydrogenation of Multisubstituted Isoquinolines Catalyzed by Chiral Iridium Dinuclear Complexes and Mechanistic Studies (Grad. Sch. Eng. Sci., Osaka Univ.) YAMAJI, Kenta; IIMURO, Atsuhiko; KITA, Yusuke; MASHIMA, Kazushi
- 2PC-002** Asymmetric Diels-Alder reaction between chiral dienophile and (MURORAN INST. OF TECH.) SEKI, Chigusa; TAKADA, Junko; HIRAMA, Masafumi; UWAI, Koji; NAKANO, Hiroto; MATSUYAMA, Haruo
- 2PC-003** Novel Chiral Ionic Liquids Containing Cyano- or Camphor Moieties for Asymmetric Synthesis. (Fac. Eng., Oita Univ.) TANGE, Masakazu; NOBUOKA, Kaoru; KITAOKA, Satosi; ISHIKAWA, Yuichi
- 2PC-004** Enantioselective Diels-Alder reaction of 1,2-dihydropyridines with acroleins using β -amino alcohol organocatalyst (MURORAN INST. OF TECH.) KOHARI, Yoshihito; OKUYAMA, Yuko; SEKI, Chigusa; KWON, Eunsang; UWAI, Koji; FURUYAMA, Taniyuki; KOBAYASHI, Nagao; DAI, Gang; IWASA, Tatsuo; NAKANO, Hiroto
- 2PC-005** Catalytic asymmetric Diels-Alder reaction of heterodienes using β -amino alcohol organocatalyst as Bronsted base (MURORAN INST. OF TECH.) TAKAHASHI, Toshihisa; KWON, Eunsang; OKUYAMA, Yuko; KOBAYASHI, Nagao; FURUYAMA, Taniyuki; DAI, Gang; IWASA, Tatsuo; KOHARI, Yoshihito; UWAI, Koji; SEKI, Chigusa; NAKANO, Hiroto
- 2PC-006** Effect by Metal Salt on Diastereoselectivity in Synthesis of Multifunctionalized Cyclic Nitronate from Optically Active Epoxy Aldehyde and Followed by these Transformations (The Univ. of Tokushima) SUMINO, Ryota; NISHIUCHI, Masaki; KAWAMURA, Yasuhiko
- 2PC-007** Transformations to 2-Isloxazolines by Regioselective Fragmentation of Bicyclic Isoxazolidines (The Univ. of Tokushima) TAKEDA, Takuya; NISHIUCHI, Masaki; KUME, Toshinori; KAWAMURA, Yasuhiko
- 2PC-008** Regioselective Synthesis of 2-Isloxazolines by Cycloaddition of Nitronates as a Synthetic Equivalent of Functionalized Nitrile Oxides and α, β -Unsaturated Aldehyde Derivatives (The Univ. of Tokushima) MORITO, Daisuke; NISHIUCHI, Masaki; KAWAMURA, Yasuhiko
- 2PC-009** Each diastereoselective synthesis of 5 α -(syn/anti)-alcohol substituted 2-isoxazolines from same substance (The Univ. of Tokushima) UEDA, Kazuki; NISHIUCHI, Masaki; FUIKAWA, Kazuyuki; KAWAMURA, Yasuhiko
- 2PC-010** Synthesis of 4-aminoimidazoles using three-component coupling reaction (Fac. Sci. Technol., Tokyo Univ. of Sci.) KITAGAWA, Masakazu; SAKAI, Norio; KONAKAHARA, Takeo
- 2PC-011** Organocatalytic Tandem Synthesis and Application of Novel Chiral Tetramic Acid Derivatives (Grad. Sch. Eng., Shizuoka Univ.) SENGOKU, Tetsuya; SUZUKI, Chihiro; SUZUKI, Kosuke; TAKAHASHI, Masaki; YODA, Hidemi
- 2PC-012** Synthetic Studies of a New Antibacterial Natural Product Tossaintine D Based on a Chiral Pool Strategy Utilizing D-Malic Acid (Grad. Sch. Eng., Shizuoka Univ.; Fac. Eng., Shizuoka Univ.) SENGOKU, Tetsuya; KITSUKAWA, Shizuka; SUZUKI, Kohei; ITAKURA, Yuya;

- TAKAHASHI, Masaki; YODA, Hidemi
- 2PC-013** Synthetic Studies of Anti-MRSA Agent Marinolic Amide Starting from Ribose (Grad. Sch. Eng., Shizuoka Univ.; Fac. Eng., Shizuoka Univ.) SENGOKU, Tetsuya; MOMOSE, Naoto; UNTEN, Tamami; TAKAHASHI, Masaki; YODA, Hidemi
- 2PC-014** Development of nucleophilic acylation reagents (Fac. Sci., Sophia Univ.) DOBASHI, Kohei; IWATA, Naoto; SUZUKI, Yumiko
- 2PC-015** Transition-Metal-Free One-Pot Transformation of Oximes into Benzofurans with Diaryl Iodonium Salts (Grad. Sch. Sci., Chiba Univ.) MIYAGI, Kotaro; MORIYAMA, Katsuhiko; TOGO, Hideo
- 2PC-016** Cobalt-catalyzed Beckmann rearrangement of cyclic oximes (Grad. Sch. Sci. Eng., Yamaguchi Univ.) YAMAMOTO, Hidetoshi; FURUTA, Takahiro; OZAKI, Ayana; KISHIMOTO, Mutsumi; SUMIMOTO, Michinori; HORI, Kenji; SUGIMOTO, Tsunemi
- 2PC-017** Chemoselectivity in intramolecular biaryl coupling reaction of phenyl benzoates (Grad. Sch. Sci. Eng., Univ. of Toyama) NISHIMORI, Tsuyoshi; HORINO, Yoshikazu; ABE, Hitoshi
- 2PC-018** Chemoselectivity in Cyclization Reaction of Ethenetricarboxylate Amides (Nara Univ. of Educ.) YAMAZAKI, Shoko; NIINA, Mamiko; FUJINAMI, Ken
- 2PC-019** Photochemical activation of C(sp³)-H bond for one-pot functionalization of cyclic ethers (Grad. Sch. Sci. Eng., Yamaguchi Univ.; Fac. Sci., Yamaguchi Univ.; Grad. Sch. Med., Yamaguchi Univ.) TAO, Keisuke; TAKAO, Go; MURAFUJI, Toshihiro; KAMIJO, Shin
- 2PC-020** Synthesis of pyrimido[4,5-d]pyrimidine-2,4(1H,3H)-dithiones starting with DCSMP (Grad. Sch. Eng., Tottori Univ.) KURODA, Minami; TANAKA, Noriyuki; KOBAYASHI, Akihiro; YOKOI, Yuki; KOBAYASHI, Kazuhiro; HYOSHI, Hidetaka; UMEDU, Kazuto
- 2PC-021** Synthesis of 3-acetyl-2-aryl-3,4-dihydroquinazolines by the intramolecular aza-Wittig reaction (Fac. Eng., Tottori Univ.) NAGASHIMA, Mika; MATSUMOTO, Naoki; KOBAYASHI, Kazuhiro
- 2PC-022** Synthesis and properties of electron-deficient ladder-type thiazolethiophene ring-fused compounds (Fac. Eng., Gifu Univ.) KAWAI, Yasuhiro; FUTAMURA, Kimitaka; SHIBAHARA, Fumitoshi; MURAI, Toshiaki
- 2PC-023** Synthesis of 4-hydroxy-3,4-dihydropyrido[3,4-d]pyrimidine-2(1H)-thione derivatives by reacting (3-isothiocyanatopyridin-4-yl)ketones with primary amines. (Fac. Eng., Tottori Univ.) INOUCHI, Hiroki; KONISHI, Manami; KOBAYASHI, Kazuhiro
- 2PC-024** Regioselective Nucleophilic Substitution of 2,4-Bis(dimethylamino)-3-trifluoroacetylquinoline with Amines (Grad. Sch. Eng., Kobe Univ.) HATAKENAKA, Mizuki; KANEDA, Iori; OKADA, Etsuji
- 2PC-025** Solvent Effect of Water Containing Ionic Liquids on Thermal Cyclization of Chromene Derivatives (Fac. Eng., Oita Univ.) SANO, Ryota; NOBUOKA, Kaoru; TOKUMARU, Masaki; YUKI, Yosuke; KITAOKA, Satoshi; OHGA, Yasushi; ISHIKAWA, Yuichi
- 2PC-026** A Facile and Convenient Synthesis of Novel Fluorine-Containing Oxazinoquinolines (Grad. Sch. Eng., Kobe Univ.) TOJO, Atsuya; HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-027** Application of silica-gel supported sodium hydrogen sulfate (NaHSO₄/SiO₂) to the synthesis of 3-acylloxazole derivatives (Coll. Sci. Tech., Nihon Univ.) ITOH, Ken-ichi; AOYAMA, Tadashi; TAKAHASHI, Shinji; HASEGAWA, Kenta; TAKIDO, Toshio; KODOMARI, Mitsuo
- 2PC-028** A Convenient Synthetic Method for Novel Fluorine-Containing Pyrazolo[3,4-b]quinolines (Grad. Sch. Eng., Kobe Univ.) HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-029** Synthetic study of 2-substituted-3-aminopiperidine derivatives (Grad. Sch. Eng., KAIT) MASAMOTO, Naoki; NODA, Takeshi
- 2PC-030** Regioselective Nucleophilic Substitution of 2,4-Bis(dimethylamino)-3-trifluoroacetylquinoline with Thiols (Grad. Sch. Eng., Kobe Univ.) ADACHI, Taishi; HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-031** Novel synthesis of isoindole derivatives by using super critical carbon dioxide (Fac. Eng., Utsunomiya Univ.) SHINOZAKI, Yasutaka; OBA, Toru; ITO, Naotsugu; SATO, Takafumi; ITO, Satoshi
- 2PC-032** A Convenient Synthesis of Novel Fluorine-Containing Isoxazolobenzindazoles (Grad. Sch. Eng., Kobe Univ.) KAWANISHI, Shunsuke; HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-033** Synthesis of chromans via cross coupling of alcohols in the presence of Silica Gel supported Sodium Hydrogen Sulfate. (Coll. Sci. Tech., Nihon Univ.) FURUKAWA, Takuya; AOYAMA, Tadashi; TAKIDO, Toshio; KODOMARI, Mitsuo
- 2PC-034** Regioselective Nucleophilic Substitution of 2,4-Bis(dimethylamino)-3-trifluoroacetylquinoline with Alcohols (Grad. Sch. Eng., Kobe Univ.) NISHIO, Masaru; HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-035** Synthesis of Benzofurochromenones Using Mn(III)-Based Oxidation of (Methoxynaphthyl)butanediones (Grad. Sch. Sci. Technol., Kumamoto Univ.) HAGIWARA, Daichi; NISHINO, Hiroshi
- 2PC-036** Reaction of Cyclic Ketone Using Electron-deficient Triketone Building block (Grad. Sch. Sci. Technol., Kumamoto Univ.) AKAZAKI, Chiaki; NISHINO, Hiroshi
- 2PC-037** Convenient Syntheses of Novel Fluorine-Containing Benzodiazepines Using Trifluoroacetylated Butadienes as Building Blocks (Grad. Sch. Eng., Kobe Univ.) NAKANO, Shiro; SAKOOKA, Masataka; HATAKENAKA, Mizuki; OKADA, Etsuji
- 2PC-038** Synthesis and physical properties of 3²-nitro-chlorophyll-*a* derivatives (Coll. Pharm. Sci., Ritsumeikan Univ.) TAMIAKI, Hitoshi; OHATA, Masaki; KINOSHITA, Yusuke; MACHIDA, Shinnosuke
- 2PC-039** Control of luminescence properties of thiazolopyrazine fluorophores with a substituent function. (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) SUZUKI, Yoshihisa; NAKAGAWA, Tatsuki; MAKI, Syojiro; HIRANO, Takashi
- 2PC-040** Synthesis of novel cage type Triazinophane which has sulfide in bridging group and complexation (Coll. Sci. Tech., Nihon Univ.) TAJIMA, Kengo; AOYAMA, Tadashi; TAKIDO, Toshio
- 2PC-041** Synthesis and metal binding ability of cyclic triserine trilactones having hydroxyazines on the side arms (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) SAITO, Ryota; KAWANO, Saya; SASAKI, Kaname
- 2PC-042** Preparation of Intercalator-linked Porphyrin and Interaction Behaviors with dsDNA in Ionic Liquids (Fac. Eng., Oita Univ.) KITAGAWA, Eri; NOBUOKA, Kaoru; KITAOKA, Satoshi; ISHIKAWA, Yuichi
- 2PC-043** Synthesis of macrocyclic compounds containing dipyrrolylpyridine units. (Grad. Sch. Sci., Kobe Univ.) ITO, Takumi; SETSUNE, Jun-ichiro
- 2PC-044** Synthesis and Structural Analysis of Diazoiahexabenzoperylene Derivatives (Urban Environmental Sci., Tokyo Metropolitan Univ.) IKEDA, Yusuke; SUGA, Syotaro; SEKI, Yuta; YAMAGUCHI, Motowo; SATO, Kiyoshi
- 2PC-045** Porphyrin Preparation in the Acidic Ionic Liquids (Fac. Eng., Kinki Univ.) KITAOKA, Satoshi; IHARA, Keita
- 2PC-046** Development of new synthetic method for ellipticine derivatives (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) SATO, Daiki; SAKAI, Norio; KONAKAHARA, Takeo
- 2PC-047** Synthesis and evaluation of antitumor activity of ellipticine derivatives substituted with a hydrophilic group at the 6-position. (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) AKABA, Yosuke; SAKAI, Norio; KONAKAHARA, Takeo
- 2PC-048** Synthetic Study on Xanthone Natural Products Using NHC Catalysis (Fac. Sci., Sophia Univ.) TAKEUCHI, Eileen; SUGIMURA, Risa; KITAHARA, Yuri; TSUNOI, Azuho; SUZUKI, Yumiko
- 2PC-049** Synthesis and anti-tumor activity of 3- or 6-substituted beta-carboline derivatives (Fac. Sci. Technol., Tokyo Univ. of Sci.) TAKIZAWA, Masaki; SAKAI, Norio; KONAKAHARA, Takeo
- 2PC-050** Design and synthesis of novel topoisomerase I inhibitors having symmetrical structures (Grad. Sch. Eng., Nagasaki Univ.; Grad. Sch. Fish. Sci. Env. Studies, Nagasaki Univ.) HARA, Daisuke; FUKUDA, Tsutomu; ISHIBASHI, Fumito; IWAO, Masatomo
- 2PC-051** Synthesis and antitumor activity of ellipticine derivatives substituted with a hydrophilic group at the 5 position. (Grad. Sch. Fac. Sci. Technol., Tokyo Univ. of Sci.) HONMA, Syouzi; SAKAI, Norio; KONAKAHARA, Takeo
- 2PC-052** A NEW METHOD FOR SYNTHESIS AND ANGIOGENIC EVALUATION OF LETEPRINIM POTASSIUM AND ITS NOVEL ANALOGS (Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.) SAKAKIBARA, Norikazu; TSUKAMOTO, Ikuho; ISONO, Yohei; TAKATA, Maki; KONISHI, Ryoji; KATO, Yoshihisa; MARUYAMA, Tokumi

Organic Chemistry -Reaction and Synthesis- Organic Photochemistry

- 2PC-055** C-H abstraction by photo-excited ketone of binaphthyl derivatives (Grad. Sch. Sci., Hiroshima Univ.) TAMURA, Takaaki; TAKAGI, Ryukichi; ABE, Manabu
- 2PC-056** Generation of Carbon Atom- or Heteroatom-Bridged Tetramethyleneethane Intermediates Triggered by Photoinduced Electron Transfer (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) HORI, Tomohiro; SAKAKI, Syotaro; KANO, Yusuke; OHTA, Eisuke; IKEDA, Hiroshi
- 2PC-057** Generation and Characterization of Triplet (9-anthryl)(phenyl) carbene Protected by Triptycyl Groups (Fac. Eng., Mie Univ.; Mie Univ. Community-University Research Cooperation Center; Grad. Sch. Eng., Mie Univ.) TACHI, Minoru; HIRAI, Katsuyuki; KITAGAWA, Toshikazu
- 2PC-058** The Study of Metal-Free Direct C-H trifluoromethylation Using a Photoredox Organocatalyst (Gifu Pharm. Univ.) CUI, Lei; TADA, Norihiro; MIURA, Tsuyoshi; UNO, Bunji; ITOH, Akichika
- 2PC-059** Synthesis and Physical Properties of π -Expanded Fluorone-Type Compounds (Grad. Sch. Mat. Sci., NAIST) SEZUKURI, Kyohei; ARATANI, Naoki; YAMADA, Hiroko
- 2PC-060** Synthesis of Phenacenes by Mallory Reaction: Comparison of Efficiency by Batch and Flow Reactions (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) TAKANE, Takamitsu; OKAMOTO, Hideki; SATAKE, Kyosuke
- 2PC-061** Photochemistry of dinitro benzyl pyridine derivatives having asymmetric carbon. (Kanazawa Univ. school of pharmaceutical sciences) FUKUYOSHI, Shuichi; ODA, Akifumi; NAKAGAKI, Ryoichi
- 2PC-062** Synthesis of Amino Acid and Amino Ketone Derivatives via Phosphine-Catalyzed Addition of Phthalimide onto Electron-Poor Alkynes (Grad. Sch. Life Med. Sci., Doshisha Univ.) KOBAYASHI, Wataru; HAYASHI, Daisuke; KISHIMOTO, Daisuke; HARADA, Daisuke; FURUKAWA, Isao; OE, Yohei; OHTA, Tesuo

- 2PC-063** Synthesis and Photochemical Reactions of 1-Substituted Isatins (Aichi Inst. of Tech.) TATSUGI, Jiro; KONDO, Masato; KATSUTADA, Ozawa
- 2PC-064** Enantioselective[2+2]photocycloaddition using Chiral Ionic Liquids Containing Menthol Derivatives (Grad. Sch. Mat. Sci., NAIST) NISHIDA, Kosei; NISHIYAMA, Yasuhiro; KAKIUCHI, Kiyomi
- 2PC-065** Influence of Oxygen on the [3+2]-Photocycloadditions of 1,4-Dicyanophthalenes Having Alkyl Substituents at the 2,3-Position with Phenylacetylene (Shimane Univ. Graduate School of Science and Engineering) YOKOYAMA, Kazutaka; SHIRATORI, Hideo; KUBO, Yasuo
- 2PC-066** Reversible [2+2] Photocycloaddition of Phenanthrene-Ethylene Dyad in Solution and in the Crystalline State (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) KAWAKAMI, Jun; NAKANISHI, Yosuke; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 2PC-067** The [4+4] Cycloaddition Reactions of a Dimethylenecyclopentane Derivative Promoted by Photoinduced Electron Transfer (Sch. Eng., Osaka Pref. Univ.) TSUCHIDA, Kanji; KANO, Yusuke; OHTA, Eisuke; IKEDA, Hiroshi
- 2PC-068** Asymmetric Photo-cycloaddition Reaction within Chiral Cavity of Serum Albumin (Shibaura Inst. of Tech.) SHIMBO, Mio; IMAI, Kohei; GO, Masaaki; NAKAMURA, Asao
- 2PC-069** Synthesis and Spectroscopic property of firefly dehydroluciferin analogs (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) AZAMI, Takehiro; MATSUHASHI, Takuto; MAKI, Shojiro; HIRANO, Takashi
- 2PC-070** Modulation of the chemiluminescence property of trialkoxyphenyl-substituted imidazopyrazinones by reaction conditions (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) FUKUSHIMA, Eiichi; MAKI, Shojiro; HIRANO, Takashi
- 2PC-071** Synthesis and Applications of 2-Aminotryptanthrin Derivatives for Fluorescent Chemosensors (Grad. Sch. Sci. Tech., Hirosaki Univ.) KAWAKAMI, Jun; TSUIKI, Akihiro; HARADA, Yuki; HENMI, Tokito; KIMURA, Kohki; ITO, Shunji

Organic Chemistry -Reaction and Synthesis- Organic Electron Transfer Chemistry

- 2PC-073** Synthesis and characterization of triarylamine derivatives with ureidopyrimidinedione moieties capable of forming quadruple hydrogen bonds (Grad. Sch. Mat. Sci., NAIST) NAKAKITA, Tetsufumi; TAHARA, Keishiro; KIKUCHI, Jun-ichi
- 2PC-074** Intramolecular Cationic Cyclization of Aromatic Compounds Bearing a Side-Chain Containing a Carbon-Carbon Double Bond Initiated by a Catalytic Amount of Electro-Generated Acid (Fac. Sci. Eng., Kinki Univ.; Kinki Univ. Fac. Pharm.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Kouichi; SHIMAZAKI, Hayato; SANADA, Tomonari; SHIMADA, Kazuaki; HAGA, Fumi; NISHIWAKI, Keiji; SUGA, Seiji; KASHIMURA, Shigenori; YOSHIDA, Jun-ichi
- 2PC-075** In-situ Raman Spectroscopic Monitoring of Electrochemical Oxidation of ArSSAr (Fac. Sci. Eng., Kinki Univ.; Grad. Sch. Nat. Sci. Technol., Okayama Univ.; Grad. Sch. Eng., Kyoto Univ.) MATSUMOTO, Kouichi; SHIMADA, Kazuaki; MORISAWA, Yusuke; WAKABAYASHI, Tomonari; SUGA, Seiji; KASHIMURA, Shigenori; YOSHIDA, Jun-ichi

Polymer

- 2PC-077** Radical Copolymerization of Phenanthrene and Its Derivatives with Fused Cyclic and Aromatic Structure (Grad. Sch. Eng., Nagoya Univ.) KANEDA, Akira; NAGAI, Kanji; SATOH, Kotaro; KAMIGAITO, Masami
- 2PC-078** Ring-Opening Radical Polymerization of Pinocarvone Derived from Naturally-Occurring α -Pinene (Grad. Sch. Eng., Nagoya Univ.) MIYAJI, Hisanari; SATOH, Kotaro; KAMIGAITO, Masami
- 2PC-079** Controlled Radical Copolymerization of Vinyl Acetate and α -Olefin with Transition Metal Complexes (Grad. Sch. Eng., Nagoya Univ.) KONDO, Toshiyumi; SATOH, Kotaro; KAMIGAITO, Masami
- 2PC-080** Evaluation of Equilibrium Constant for Alkylborane Living Radical Polymerization (Hitachi, Ltd.) KAJIHARA, Yuri; MURAKI, Takahito
- 2PC-081** Specific Radical Polymerization Initiated with Borane-tetrahydrofuran Complex as Borane-Lewis Base Complex (Tohoku Seikatsu Bunka Univ. Polymer Chemistry Laboratory) SHUICHI, Kanno
- 2PC-082** Tertiary amines-intercalated α -zirconium phosphate as latent thermal catalysts for curing glycidyl phenyl ether with acid anhydrides (Fac. Eng., OIT) SHIMOMURA, Osamu; NISHISAKO, Takatoshi; MAENO, Keisuke; OHTAKA, Atsushi; NOMURA, Ryōki
- 2PC-083** Ring-Opening Polymerization of Thiolactone Derived from Amino Acid (Nagoya Inst. of Tech. Grad. School of Eng.) MAKIMURA, Kazumasa; MATSUOKA, Shin-ichi; TAKAGI, Koji; SUZUKI, Masato
- 2PC-084** Random Copolymerization of ϵ -Caprolactone with Lactide (KIT) ABIKO, Atsushi; MARUTA, Yasumi
- 2PC-085** Synthesis of poly(borosiloxane) by dehydrocoupling polymerization. (Sch. Mat. Sci., JAIST) PUNEET, Puhup; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-086** Syntheses and Applications of New Polymers Using an Ethylene-vinylalcohol Copolymer as a Base Polymer (Grad. Sch. Sci., Eng., Yamagata Univ.) SATO, Rikiya; HASHIMOTO, Takahiro; SUZUKI, Yasuo
- 2PC-087** Synthesis of Novel [2]Catenane-diyne Copolymers by Hay Coupling Reaction and their Properties (Grad. Sch. Sci. Tech., Nihon Univ.) ISHISONE, Katsuyuki; HOSHI, Toru; SAWAGUCHI, Takashi; HAGIWARA, Toshiki
- 2PC-088** Synthesis and Properties of Novel Network Polymer Having a Catenane Structure (Grad. Sch. Sci. Tech., Nihon Univ.) OKUBO, Yosuke; HOSHI, Toru; SAWAGUCHI, Takashi; HAGIWARA, Toshiki
- 2PC-089** Synthesis of Folded H-Stacking Polymers Involving Ether Tethers (Fac. Eng., Kanagawa Univ.) NAITO, Yu-suke; MORIAL, Ryota; FUNYU, Shigeaki; ISHITSUKA, Ken-ichi; ASANO, Naoki; OKAMOTO, Sentaro
- 2PC-090** Thermoresponsive behavior of polysilsesquioxane containing urea substituents and poly (N-isopropylacrylamide) chains (Dept. Appl. Chem., Nat. Def. Acad.) TADAURA, Mitsutoyo; MORIYA, Osamu; KASHIO, Mikihiko; SUGIZAKI, Toshio
- 2PC-091** Effect of Water on Thermophysical Properties of Poly(1-butene) Triblock Copolymeric Ionomer (Grad. Sch. Sci. Tech., Nihon Univ.) WATANABE, Honami; SASAKI, Daisuke; HOSHI, Toru; HAGIWARA, Toshiki; SAWAGUCHI, Takashi
- 2PC-092** Thermophysical Behavior of Acrylic Acid Block Chain in Polyolefin Copolymeric Ionomer (Grad. Sch. Sci. Tech., Nihon Univ.) YAMASHITA, Hiroshi; SASAKI, Daisuke; HOSHI, Toru; HAGIWARA, Toshiki; SAWAGUCHI, Takashi
- 2PC-093** The new polymer derived from starch and diisocyanate (Aichi Inst. of Tech.) UEDA, Tomohiro; KIZUKA, Kazunori; INOUE, Shin-ichi
- 2PC-094** Research of polyurethane with trehalose (Aichi Inst. of Tech.) KIZUKA, Kazunori; INOUE, Shin-ichi
- 2PC-095** RAFT Synthesis of Block Copolymers and Preparation of Porous Membranes (Coll. Life Sci., Ritsumeikan Univ.) ISHIBASHI, Ken; FUCHIGAMI, Kiyomi; KANEKO, Kosuke; HANASAKI, Tomonori
- 2PC-096** Study of synthesis and evaluation of the new proton conductive polyimide (Sch. Mat. Sci., JAIST) OHNO, Kazuki; KOBAYASHI, Hironori; NAGAO, Yuki
- 2PC-097** Dependence of the Structure and the Proton Transport Property for Sulfonated Polyimide Thin Films (Sch. Mat. Sci., JAIST; Grad. Sch. Eng., Nagoya Univ.; Nagoya Univ. Venture Business Laboratory) NORO, Masaki; IWATSUKI, Hiroko; HARA, Mitsuo; NAGANO, Shusaku; NAGAO, Yuki
- 2PC-098** Preparation of Novel Liquid Crystal Polymers through Polymer Reaction and Their Orientational Behavior (Fac. Eng., Oita Univ.) HAYASHI, Toshiyuki; NATA, Masanori; UJIE, Seiji
- 2PC-099** Analysis of morphology in pressure-sensitive adhesives by energy-filtering transmission electron microscopy (NRI, AIST) KOZONE, Yuichi; SUGIZAKI, Toshio; HORIUCHI, Shin
- 2PC-100** Upgrade of Small Angle X-ray Scattering Beamlines and Current Status of Industry Use (KEK) TAKAGI, Hideaki; SHIMIZU, Nobutaka; IGARASHI, Noriyuki; MORI, Takeharu; SAJO, Shinya; OHTA, Hiromasa; KAMIJO, Ai; KOMURO, Masanori; NOMURA, Masaharu
- 2PC-101** Fluoride anion sensing using polymerized curcumin-boron complex (Sch. Mat. Sci., JAIST) HAYAMI, Takashi; YAMSUKANAN, Chakrit; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-102** The Developments of novel functional materials with imidazole derivatives (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) INADA, Tomohiro; ONO, Tsutomu
- 2PC-103** Syntheses and properties of highly mono-disperse functional nanoparticles: Surface modification with polythiophene. (Fac. Sci. Eng., Kinki Univ.) NISHIMINE, Jun; URAYAMA, Maina; SUENAGA, Yasuko
- 2PC-104** Effect of Surface Treatment on Molecular Alignment Induced by Dynamic Photopolymerization (Chem. Res. Lab., Tokyo Tech) ISHIZU, Masaki; MAMIYA, Jun-ichi; KINOSHITA, Motoi; SHISHIDO, Atsushi
- 2PC-105** Preparation of Organic-Inorganic Hybrid Material with Chiral Properties (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) TSUKASAKI, Yuki; OGOSHI, Tomoki; YAMAGISHI, Tada-aki
- 2PC-106** Synthesis and Gas Permeation of Aliphatic Substituted Acetylenes Having an Oxyethylene Group in the Side-chain (MURORAN INST. OF TECH.) YOSHIDA, Yoshiaki; MAWATARI, Yasuteru; TABATA, Masayoshi
- 2PC-107** Adsorption ability and selectivity of polymeric membranes including host molecule for the phthalate esters (Hachinohe National College of Technology Advanced Course of Chemical and Biological Engineering; Nagaoka Univ. of Tech. Department of Materials Science and Technology) TAKAHATA, Hiroki; KIKUCHI, Yasuaki; KOBAYASHI, Takaomi
- 2PC-108** Removing a musty odour component by using membranes including host molecules (Hachinohe National College of Technology Advanced Course of Chemical and Biological Engineering; Nagaoka Univ. of Tech. Department of Materials Science and Technology) KUDO, Yudai; OZAKI, Yuka; KIKUCHI, Yasuaki; KOBAYASHI, Takaomi
- 2PC-109** Synthesis of phosphorylated polyvinyl alcohol and its interaction with a calcium ion (Fac. Sci. Eng., Doshisha Univ.) KUSAKABE, Akane; MIZUTANI, Tadashi
- 2PC-110** Synthesis and properties of novel diacetylene gelators having terminal aromatic residues "Effect of alkylene chain length on the gelation and photopolymerization behaviors" (Fac. Sci., Tokyo Univ. of Sci.)

- NARAZAKI, Kenta; YAMAMOTO, Tsuyoshi; HORITSUGU, Kousuke; TAMAOKI, Nobuyuki; AOKI, Ken'ichi
- 2PC-111** Synthesis and properties of novel diacetylene gelators having terminal amino acid residues. (Fac. Sci., Tokyo Univ. of Sci.) KOBAYASHI, Yuko; HORITSUGU, Kosuke; TAMAOKI, Nobuyuki; AOKI, Ken'ichi
- 2PC-112** Synthesis and Properties of Mechanically Tough Double-Network Hydrogels with High Electronic Conductivity (NRI, AIST) IKENAGA, Kosuke; KUBOTA, Kazuma; HORII, Tatsuhiro; MIURA, Toshiaki; OKUZAKI, Hidenori; KISHI, Ryoichi; OKABE, Masaru; OSADA, Yoshihito
- 2PC-113** Structural Observation of a Thixotropic Hydrogel consisting of Imogolite and Basic acid (Tokyo Univ. of Agri. and Technol. Research Center for Science and Technology; JEOL Co. Ltd. EM Business Unit) MAKI, Tei; KANEDA, Keisuke; MORI, Saori; SHIGEHARA, Kiyotaka; SHIKINAKA, Kazuhiro
- 2PC-114** Development of the CNTs composite conductive resin using nano-dispersion process (Shibaura Inst. of Tech.) YOSHIDA, Keita; HOMMA, Shota; KANEUCHI, Shotaro; SHIMURA, Kaho; SUZUKI, Kenta; IKUTA, Taro; KONISHI, Toshifumi
- 2PC-115[#]** Synthesis of copolymers composed of isopropylacrylamide and ionic liquid units and their LCST behavior (Sch. Mat. Sci., JAIST) JAIN, Kamiya; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-116** Preparation of new hyperbranched polystyrene bearing ammonium salts by exchange of the counter anion of the ammonium group. (Grad. Sch. Eng. Sci., Kyushu Univ.) TANAKA, Ryota; KOJIMA, Keisuke; THIKAMA, Kathumi; NAGASHIMA, Hideo
- 2PC-117** Morphology Control of Organic/Inorganic Hybrids through Supramacromolecular Templates (Grad. Sch. Eng., The Univ. of Tokyo) NISHIMURA, Tatsuya; ZHU, Fangjie; KATO, Takashi
- 2PC-118** The effects of introduction of urea group on stimuli-responsive polysilsesquioxane (Dept. Appl. Chem., Nat. Def. Acad.) TAKUSHIMA, Hiroyuki; YAMAMOTO, Shin-ichi; MORIYA, Osamu
- 2PC-119** Adsorption-immobilized polymer mediators for biofuel cells (AISIN COSMOS R&D Co., Ltd. R&D Dept.) NAKASHIMA, Yasuo; MIZOSHITA, Norihiro; TANAKA, Hiromitsu
- 2PC-120** Syntheses and Properties of Boron Containing Polymers (AIST Interdisciplinary Research Center for Catalytic Chemistry) UCHIMARU, Yuko; YAMASHITA, Hiroshi; HAN, Li-biao

Energy and Related Chemistry

- 2PC-123** New D- π -A Sensitizers with Fluorine-Containing Aromatics as Electron-Withdrawing Anchoring Groups for DSSCs (Sagami CRI; Tokai Univ.) AIHARA, Hidenori; UEDA, Shinnosuke; IZUTA, Yuya; KUNUGI, Yoshihito
- 2PC-124** Synthesis of Organic Dyes Having Pyrazinecarboxylic Acid as an Electron Acceptor (Sagami CRI; Tokai Univ.) SHONO, Tomohiro; TASHIRO, Yuma; AIHARA, Hidenori; KUNUGI, Yoshihito
- 2PC-125** Preparation of titanium dioxide nanotubes using an anodization process with the adding of surfactants and application to dye-sensitized solar cells (Tokyo City Univ. Graduate School of Engineering) UEHARA, Takahiro; TAKAHASHI, Masashi
- 2PC-126** Synthesis of Brookite Type TiO₂ by Hydrothermal Method and their application to Dye Sensitized Solar Cells (Sch. Eng., Tokai Univ.) YAGI, Nanase; SHIMOYAMA, Yuki; FURUE, Miwako; TOMITA, Koji; KUNUGI, Yoshihito
- 2PC-127** Development of dye-sensitized solar cells using donor-acceptor hybrid molecules having BODIPY derivatives (Grad. Sch. Sci., Osaka Pref. Univ.; Grad. Sch. Eng., Osaka Pref. Univ.) OGASAWARA, Reiko; HAMADA, Takafumi; MIZUNO, Kotaro; TSUJIMOTO, Keijiro; FUJIWARA, Hideki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki
- 2PC-128** Synthesis of Novel Dyes having Trifluoromethylacrylic Acid Acceptor and their Applications to Dye-sensitized Solar Cells. (Fac. Sci. and Technol., Seikei Univ.) IWATA, Satoru; OSIO, Shouta; TANAKA, Kiyoshi
- 2PC-129** Development of dye molecules containing an 8-hydroxy quinoline anchor group for the application to dye-sensitized solar cells (Grad. Sch. Sci., Osaka Pref. Univ.; Grad. Sch. Eng., Osaka Pref. Univ.) MIZUNO, Kotaro; HAMADA, Takafumi; FUJIWARA, Hideki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki
- 2PC-130** Photovoltaic Properties of Dye sensitized Solar Cells using Quaternary Phosphonium Salts as Electrolytes (WINTeC) MACHITANI, Koji; SAOMOTO, Hitoshi; MORI, Takeshi; TSUNASHIMA, Katsuhiko
- 2PC-131[#]** Photoelectrochemical behavior of TiO₂+WO_x Nanotubes (Sch. Mat. Sci., JAIST) VEDARAJAN, Raman; IKEDA, Shoto; MATSUMI, Noriyoshi
- 2PC-132** Ion Conductive Properties of Ionic Liquid/TiO₂ Nanotube Composite (Sch. Mat. Sci., JAIST) OGAWA, Makoto; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-133** Application of Methanofullerenes Substituted with a Dimethylaminophenyl group to Organic Photovoltaic Cells (Osaka Municipal Technical Research Institute; JST CREST) HIDA, Kouichi; MATSUMOTO, Fukashi; TAKAO, Yuko; MORIWAKI, Kazuyuki; IWAI, Toshiyuki; ITO, Takatoshi; MIZUNO, Takumi; OHNO, Toshinobu
- 2PC-134** Development of O-Acetylglycosylated Fullerenes for Solution-Processed Organic Electronic Devices (Sojo Univ. Fac. Eng.; Phoenix; OPERA, Kyushu Univ.; ISIT) UEMURA, Yu; YAGAMI, Akifumi; YOSHITAKE, Masayoshi; TAKETA, Kengo; MIZUKI, Keiji; NISHIDE, Junichi; YAHIRO, Masayuki; ADACHI, Chihaya; HATTA, Taizo
- 2PC-135** Long-lived photoinduced charge separation in triphenylamine-naphthalenediimide diads in polystyrene (Grad. Sch. Sci. Eng., Univ. of Toyama) SATO, Tsubasa; KIMOTO, Kenshi; HORIKOSHI, Takafumi; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji; IWAMURA, Munetaka; NOZAKI, Koichi
- 2PC-136** Photocurrent enhancement from porphyrin molecules immobilized on plasmonic silver regularly arrays (Coll. Sci. Tech., Nihon Univ.) UCHIDA, Koji; SUGAWA, Kosuke; OTSUKI, Joe; AKIYAMA, Tsuyoshi; YAMADA, Sunao
- 2PC-137[#]** Platinum/acetylene black nano composite for enhanced oxygen reduction reaction (Sch. Mat. Sci., JAIST) BADAM, Rajashekar; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-138** Direct biomass fuel cell (BMFC) comprising a new semiconductor device and a O₂-reducing Pt cathode (The Inst. Biophotonics Co. Ltd.) UCHIYAMA, Satoshi; IZUOKA, Akira; UENO, Hirohito; NEMOTO, Junichi; FUJII, Yuki; KANEKO, Masao
- 2PC-139** A computer simulation of enzymatic biofuel cell and its application to predicting output limiting factor (AISIN COSMOS R&D Co., Ltd. R&D Dept.) NAKAOKI, Yuichiro; ISEZAKI, Yuka; UNO, Shigeyasu
- 2PC-140** Optimization of cathode materials of amorphous ZrP₂O₅x thin film-base HMFC (Sch. Eng., Hokkaido Univ.) KOBAYASHI, Shohai; AOKI, Yoshitaka; TUJI, Etsushi; HABAZAKI, Hiroki
- 2PC-141** Graft-type polymer electrolyte membranes consisting of aromatic hydrocarbon polymers/inorganic-nanoparticle composites (Grad. Sch. Sci. Tech., Gunma Univ.; QBSC, JAEA) FUKASAWA, Hideyuki; HASEGAWA, Shin; MAEKAWA, Yasunari
- 2PC-142** Sonochemical preparation of fuel cell catalyst by simultaneous formation of platinum nanoparticles and carbon support (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) SAKAKIBARA, Yukitaro; KOBAYASHI, Yuki; HATANAKA, Shin-ichi; HAYASHI, Shigeo
- 2PC-143** Sonochemical preparation of mesoporous-carbon supported platinum catalyst for fuel cells (Sci. Eng., The Univ. of Electro-Communications) KOBAYASHI, Yuki; SAKAKIBARA, Yukitaro; HATANAKA, Shin-ichi; HAYASHI, Shigeo
- 2PC-144** Adsorption of aluminum hydride onto aluminum-terephthalic acid frameworks (Fac. Eng., Oita Univ.) YAMAMOTO, Hiroki; KINUMOTO, Taro; TUMURA, Tomoki; TOYODA, Masahiro
- 2PC-145** Hydrogen adsorption/desorption behavior of a graphitic carbon nitride modified with aluminum hydride. (Fac. Eng., Oita Univ.) HAYAKAWA, Naoki; KINUMOTO, Taro; TSUMURA, Tomoki; TOYODA, Masahiro
- 2PC-146** Reaction promotion of hydrogen production from iron and carbonated water by addition of metal oxides (Grad. Sch. Eng., Tokyo City Univ.) OYOYAMA, Hitoshi; TORIYAMA, Tamotu; EBA, Hiromi
- 2PC-147** Photoelectrochemical cells for water splitting using n-type semiconductor photocatalyst electrodes and redox reactions of metal ions. (Grad. Sch. Eng., The Univ. of Tokyo) KAGESHIMA, Yosuke; KUMAGAI, Hiromu; KUBOTA, Jun; DOMEN, Kazunari
- 2PC-148** Fabrication of reduced metal nano-particles by laser ablation in liquids and its application to hydrogen production (Institute for Laser Technology Laser biochemistry research team; Kansai Univ. Faculty of Engineering science) TANIGUCHI, Seiji; SAIKI, Taku
- 2PC-149** Photoelectrochemical water splitting using exfoliated graphite/polythiophene electrode (Sch. Mat. Sci., JAIST) TOMIDA, Naoki; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 2PC-150** Addition effect of CO₂ on the rate of sonolysis of KI solution (Meisei Univ. Dept. Pys. Sci. & Eng.) HARADA, Hisashi; TANAKA, Hisashi
- 2PC-151** Effect of reduction conditions on electrochemical behavior of reduced Fe powder (Kanto Gakuin Univ. Coll. of Eng.; Kanto Gakuin Univ. Grad. School of Eng.; Kanto Gakuin Univ. Coll. of Sci. and Eng.) YASUSHI, Sasaki; AKIO, Mochida; KAZUNORI, Matsui
- 2PC-152** Synthesis and thermal properties of 5-amino-1,2,4-triazole-3-one (Coll. Industrial Tech., Nihon Univ.) TOKUNAGA, Naoto; SAKAMOTO, Keiiti; YOSHINO, Satoru

Friday, March 28, AM

(9 : 30 ~ 12 : 00)

Frontiers of Artificial Photosynthesis JST PRESTO Project "Chemical Conversion of Light Energy"

- 2PD-001[#]** Novel Ruthenium-Peptide Complexes Designed Based on "Peptide Origami" for Photochemical CO₂ Reduction Catalysts (Kitasato Univ.) ISHIDA, Hitoshi
- 2PD-002[#]** Protein Engineering for creation of algae with high formate productivity (Shinshu Univ.) IHARA, Masaki
- 2PD-003[#]** Development of energy conversion materials with hierarchical structure using two-dimensional nanocrystals (Kyushu Univ.) IDA, Shintaro
- 2PD-004[#]** Studies on biosynthesis of the active-site iron-complex from [Fe-

- hydrogenase (Max Planck Inst.) SHIMA, Seigo
- 2PD-005[#]** Studies on the oxygen-evolving reaction of Photosystem II complex by structural and chemical analyses (Osaka City Univ.) UMEMA, Yasufumi
- 2PD-006[#]** Photocatalytic Reduction of Carbon Dioxide over Shape Controlled Titanium(IV) Oxide Nanoparticles and Nanocomposite Photocatalysts (Kyushu Inst. Tech.) OHNO, Teruhisa
- 2PD-007[#]** Elucidation of complex light energy conversion processes using novel time-resolved infrared vibrational spectroscopy (Tokyo Inst. Tech.) ONDA, Ken
- 2PD-008[#]** Construction of nanoparticle suprastructure toward the novel artificial photosynthesis (Kyoto Univ.) SAKAMOTO, Masanori
- 2PD-009[#]** Development of chemical conversion of light energy using arylborane compounds (Hokkaido Univ.) SAKUDA, Eri
- 2PD-010[#]** Selective CO₂ photoreduction conjugated with H₂O oxidation utilizing semiconductor/metal-complex hybrid photocatalyst (Toyota Central R&D Lab.) SATO, Syunsuke
- 2PD-011[#]** Elucidation of the driving force of ultrafast electron transfer and its reaction field (Osaka Univ.) NAGASAWA, Yutaka
- 2PD-012[#]** Photocatalytic conversion of CO₂ in water using layered double hydroxides for carbon-neutral energy innovation (Kyoto Univ.) TERAMURA, Kentaro
- 2PD-013[#]** Elucidation of Structure and Function of Natural Pigments Bound to Photosynthetic Antenna from Brown Algae (Osaka City Univ.) FUJII, Ritsuko
- 2PD-014[#]** Structural Changes of a Novel Microbial Rhodopsin Studied by Time-Resolved FTIR Spectroscopy (Inst. Mol. Sci.) FURUTANI, Yuji
- 2PD-015[#]** Development of energy-storing systems utilizing photochemical hydride transfer reactions (Brookhaven Natl. Lab.) MATSUBARA, Yasuo
- 2PD-016[#]** Development of New Photocatalysts for the Highly Efficient Reduction of Carbon Dioxide (Tokyo Inst. Tech.) MORIMOTO, Tatsuki
- 2PD-017[#]** Behavior of photogenerated charge carriers and reactivities on conjugated photocatalysts (Toyota Tech. Inst.) YAMAKATA, Akira
- 2PD-018[#]** Visualizing molecular structures in the course of light-energy conversion processes by means of time-resolved X-ray structural analysis (KEK) ADACHI, Shin-ichi
- 2PD-019[#]** Development of Large Photofunctional Porphyrin Arrays (NAIST) ARATANI, Naoki
- 2PD-020[#]** Development of Efficient Water Splitting Systems based on Two-Step Photoexcitation (Kyoto Univ.) ABE, Ryu
- 2PD-021[#]** Development of a molecular catalyst for water oxidation toward a hydrogen-producing solar cell (Niigata Univ.) YAGI, Masayuki
- 2PD-022[#]** Structural analysis of the electron transfer complexes toward in-depth understanding of the entire photosynthetic energy transduction (Osaka Univ.) KURISU, Genji
- 2PD-023[#]** Precise design of 3d metal complexes: Attempt to develop non-precious metal catalysts (AIST) NAKAJIMA, Yumiko
- 2PD-024[#]** Influence of the Ca²⁺ ion on the Mn₄Ca conformation in Photosystem II (Osaka Univ.) ISHIKITA, Hiroshi
- 2PD-025[#]** Functional Modulation of Photosynthetic Antenna Complex (LH2) Through Chemical Modification (Nagoya Inst. Tech.) DEWA, Takehisa

Saturday, March 29, AM

(10 : 00~11 : 30)

Education and History

- 3PA-001** Development of safe and low-priced experiment of vat dyeing —Preparation of dyeing solution and pattern designing with various techniques — (Sch. Sci. Eng., Meisei Univ.) SAWADA, Tadanobu; MATSUZAKI, Ryotaro
- 3PA-002** Educational experiment for secondary school students which uses sodium sulfate as starting material (Tokyo Gakugei Univ.) TSEGMID, Otgonbayar; KAMATA, Masahiro
- 3PA-003** Experimental nature of the aqueous solution with a pigment extracted from plants and food -3- (Ehime Univ. Graduate School of Education) DANOH, Rina; OOHASHI, Atsushi
- 3PA-004** Development and Experimental-type Lectures of Microscale Experiments on Chemiluminescence Using Commercial Products (GNCT Technical Support Center for Education and Research) OHNO, Kayoko; TAIRA, Nobuyuki
- 3PA-005** Questionnaires of environmental consciousness of secondary school students in Indonesia, Japan, and South Africa (Dept. Nat. Sci. Edu., Naruto Univ. of Edu.) MAKI, Daisuke; MUNEGUMI, Toratane; HAYAHUJI, Yukitaka; OZAWA, Hiroaki; ONO, Yumiko
- 3PA-006** Pre-Service Training to Enhance Students' Educational Capability and Technique: Creation of a Chemistry Q&A Leaflet, and Development of pH Experiment Kit (Fac. Sci., Toho Univ.) IMAI, Izumi; YAHAGI, Tomoyaka; KIKUCHI, Hayato; IGARASHI, Miki
- 3PA-007** A chemistry class for non-science major students: A quantitative approach for energy-related /environmental issues (Konan Univ. Hirao School of Management; Seijoh University Business Administration) TERAUCHI, Kaede; TERAUCHI, Mamoru
- 3PA-008** Introduction to Advanced Sciences in the University Experimental Lessons III (Fac. of Electro-communications, The Univ. of Electro-

- Communications) OHASHI, Kazutaka
- 3PA-009** Development of chemical teaching materials for first year students: clip art of illustrations and animations based on the quantum chemical calculation (Coll. Liberal Arts Sci., Kitasato Univ.) DAIGOKU, Kota
- 3PA-010** Visualization of Reaction Mechanism by CG Based Quantum Chemical Calculation to Provide Image - Approach to Electrical Laboratory Book - (Fac. of Edu., Tokyo Gakugei Univ.) IKUO, Akira; YOSHINAGA, Yusuke; OGAWA, Haruo
- 3PA-011** Determination of thermodynamic quantities by the temperature coefficient of electromotive force of chemical cells (Hokkaido Univ. of Educ. Sapporo) ARITA, Ryou; TAGUCHI, Satoshi
- 3PA-012** Review of Isotope Analytical Techniques for Engineering Experiments (Fukushima Nat. Coll. Tech Department of Chemistry and Biochemistry; Fukushima Nat. Coll. Tech Community Reconstruction Support Room; Fukushima Nat. Coll. Tech Manufacturing Support Center for Education and Research) HAGIRI, Masahide; OSHITE, Shigekatu; SATO, Jun; UCHIDA, Shuji; AOYAGI, Katsuhiko
- 3PA-013** Reduction of nitrobenzene utilizing sandy tin (Fac. Sci., Tokyo Univ. of Sci.) OSANAI, Koki; INOUE, Masayuki
- 3PA-014** The hydration of alkynes in aqueous solution of sulfuric acid (Grad. Sch. Mathematics Sci. Edu., Tokyo Univ. of Sci.) UEHARA, Satoru; INOUE, Masayuki
- 3PA-015** Laboratory Experiment about Iodoform reaction by Electrolysis (Fac. Sci., Tokyo Univ. of Sci.) HARADA, Shota; INOUE, Masayuki; FUJINO, Yuki
- 3PA-016** Application of tablet devices to cooperative education in chemistry class at college of technology (Kobe City Coll. Technol. Department of General Education) SATO, Hiroto; FUKUMOTO, Kozo
- 3PA-017** Practice of Chemical Education Using Handheld Terminal at the National College of Technology (Kochi National College of Technology Materials Science and Engineering) OHSUMI, Masato; NAKAJIMA, Keiji; IMAI, Kazumasa
- 3PA-018** Chemistry education using desktop NMR Spectrometer "picoSpin 45" (Tsuyama National College of Technology General Education (Chemistry)) HIROKI, Kazuaki
- 3PA-019** Detection of Polyester Plastics by Hydroxamic Acid Method (Tokyo Univ. of Sci. Grad. Sch. Sci. Edu.) HIROSE, Akinori; INOUE, Masayuki
- 3PA-020** Identification isomers of butanol utilizing "boric silica gel" (Tokyo Univ. of Sci. Grad. Sch. Sci. Edu.) URA, Kousuke; INOUE, Masayuki
- 3PA-021** Development and practice of the crystal lattice models using superball (Fac. Edu., Ehime Univ.) WADA, Takayuki; OHASHI, Atsushi
- 3PA-022** Activities for Increasing the Familiarity with Molecules in Face-to-face Science Events (Part 2) (Univ. of Niigata Prefecture) HONMA, Yoshio
- 3PA-023** Chemical Education Journal (CEJ)- Aiming at Enhancing Dissemination and Exchange of Information on Chemical Education (Utsunomiya Univ. Faculty of Education; Fukui National College of Technology; Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.; Hokkaido Univ. of Educ. Sapporo; Sch. Sci., Tokai Univ.; University of Kochi Community Center for Advancement of Education; Tokyo Gakugei Univ.; Fac. Eng., Soka Univ.; Saitama Univ. Faculty of Education; Grad. Sch. Sci., Kyoto Univ.) YAMADA, Yoichi; ASHIDA, Minoru; ITO, Masato; KAMATA, Masahiro; ISSHIKI, Kenji; OIKAWA, Yoshimichi; TAGUCHI, Satoshi; TACHIBANA, Hiroshi; YOSHIMURA, Tadayoshi; YOSHIMURA, Yosuke
- 3PA-024** Chemical Education Journal (CEJ) Asian Edition in English-Aiming at Enhancing Dissemination of Information on Chemical Education from Asia to the World (Fac. Eng., Soka Univ.; Utsunomiya Univ. Faculty of Education; Tokyo Gakugei Univ.; Saitama Univ. Faculty of Education) ITO, Masato; YAMADA, Yoichi; KAMATA, Masahiro; ASHIDA, Minoru

Theoretical Chemistry, Informatics Chemistry and Computational Chemistry

- 3PA-027** Searching for allotrope of polyatomic systems of sulfur and phosphorus by GRRM method (Fac. Sys. Eng., Wakayama Univ.) KATSUNO, Naoya; KODAYA, Yoshitomo; YAMAKADO, Hideo; OHNO, Koichi
- 3PA-028** A computational study of the structures of silver(I) β -ketocarboxylates (Osaka Sangyo Univ. Grad. Sch. of Eng.; Osaka Sangyo Univ. Fac. of Design Tech.; ISIR, Osaka Univ.) CHEN, Yu; TAKANE, Shin-ya; HATAMURA, Mariko; YAMAGUCHI, Shunro; SUGANUMA, Katuaki
- 3PA-029** Hole mobility prediction of Organic Semiconducting Materials using Constrained DFT Calculation (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KASE, Kouichi; MORIASHI, Kenji
- 3PA-030** DFT calculations on excited states of TADF molecular systems (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) IWASAKI, Toya; MORIHASHI, Kenji
- 3PA-031** Biradical dyes designed by quantum chemical calculation (Grad. Sch. Sci., Eng., Tokyo Tech) HIYOSHI, Junya; HAYASHI, Yoshihiro; KAWAUCHI, Susumu
- 3PA-032** Theoretical study of photocyclization of organic boron compounds (IMCE, Kyushu Univ.) ITOYAMA, Shuhei; SHIOTA, Yoshihito; FUKAZAWA, Aiko; YAMAGUCHI, Shigehiro; YOSHIZAWA, Kazunari

- 3PA-033** A Correlation between the local electrophilicity indices of dienophiles and activation energies of the Diels-Alder reactions (Fukuoka Univ. of Educ.) ARIMITSU, Shusaku; KOSUGI, Kentaroh
- 3PA-034** Theoretical study on the degradation of bisphenol A by ferrate(VI) in water solution (IMCE, Kyushu Univ.) MORI, Eiichirou; KAMACHI, Takashi; YOSHIZAWA, Kazunari
- 3PA-035** Theoretical calculations of the isotopic exchange constants of alkali and alkaline earth metal ions included in cryptands (Sch. Sci., Tokai Univ.) MATSUMURA, Atomu; ISHIKAWA, Shigeru
- 3PA-036** Theoretical structure and the electronic state of human growth hormone (Shohoku College Department of Informatics and Media Technology) ODA, Kei; ITO, Etsuro
- 3PA-037** Withdrawn
- 3PA-038** A Density Functional Study on Water Chain Structure as Proton Transport Pathway in the EcCIC Antipporter (Grad. Sch. Eng., Mie Univ.) MITANI, Masaki; UCHIYAMA, Mutumi; TAKESHIMA, Tomoya; YOSHIOKA, Yasunori
- 3PA-039** Theoretical Study on Catalytic Mechanism of Nitrile Hydratase (Univ. of Tsukuba Grad. Sch. of Sys. and Inf. Eng.) KAYANUMA, Megumi; HANAOKA, Kyohei; SHOJI, Mitsuo
- 3PA-040** Geometry optimization by the QM/MM calculation in HIV protease complexes (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) KANDATSU, Tomoaki; MORIHASHI, Kenji
- 3PA-041** A theoretical study on redox potentials of rubredoxin proteins using fragment molecular orbital method (Fac. Sci., Ochanomizu Univ.) YAMADA, Arisa; MORI, Hirotsoshi
- 3PA-042** O-O bond formation within a oxo-bridged di-iron(VI) complex studied by DMRG-CASPT2 and DMRG-MRCI theories (Inst. Mol. Sci.) KURASHIGE, Yuki; SAITOW, Masaaki; CHALUPSKY, Jakub; YANAI, Takeshi
- 3PA-043** A theoretical study of water molecules' effect on the interaction between HIV-1 antibody 2G12 and ligands (Coll. Liberal Arts Sci., Kitasato Univ.) NOTO, Kaori
- 3PA-044** The adsorption dynamics of amino acids on TiO₂ surface: the effects of solvation, existence of ionic species, and roughness of surface (Ochanomizu Univ.) KUROKI, Nahoko; MORI, Hirotsoshi
- 3PA-045** Withdrawn
- 3PA-046** Molecular dynamics simulation for aromatic polyester (Grad. Sch. Sci., Eng., Tokyo Tech) HATANO, Tomoya; SHIRATA, Kei; HATTORI, Masaya; KAWAUCHI, Susumu
- 3PA-047** Improvement of the SAAP force field and its application to molecular simulation of chignolin (Sch. Sci., Tokai Univ.) SUZUKI, Toshiaki; SHIMOSATO, Taku; IWAOKA, Michio
- 3PA-048** Mean field theory of Potts model: application to conformation-modulated molecular interactions in 1-methyl-3-propylimidazolium chloride (Grad. Sch. Eng., Tottori Univ.) HAYASE, Shuichi; NOKAMI, Toshiaki; ITOH, Toshiyuki
- 3PA-049** Supersecondary Structure Code Alignment Analysis of Luciferase (RIEMT, AIST) IZUMI, Hiroshi; WAKISAKA, Akihiro
- 3PA-050** A development of the molecular information database using Cassandra (Osaka Sangyo Univ. Grad. Sch. of Eng.; Osaka Sangyo Univ. Fac. of Design Tech.) FUJIMORI, Yusuke; TAKANE, Shin-ya
- 1,4-Dicyanonaphthalene Dyads (Grad. Sch. Eng., Osaka Pref. Univ.; Seika Corporation; Wakayama Seika Kogyo Co., Ltd.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) KOBAYASHI, Hitoshi; IMOTO, Mitsutaka; MATSUI, Yasunori; TAMAKI, Akihiro; TAKEDA, Motonori; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 3PA-062** Substituent effect on the fluorescent properties of 2,5-bis(arylsulfonyl)-1,4-diaminobenzene analogs (Grad. Sch. Sci., Eng., Yamagata Univ.) HORIE, Yuta; BEPPU, Teruo; KATAGIRI, Hiroshi
- 3PA-063** Crystal structures and solid-state optical properties of 1,4-dialkoxy-9,10-anthraquinone derivatives (The Univ. of Shiga Pref.; Univ. of Hyogo) KITAMURA, Chitoshi; LI, Sining; TAKEHARA, Munenori; INOUE, Yoshinori; KAWASE, Takeshi
- 3PA-064** Pressure Effect on Azobenzene Intercalation in Clays (Fac. Eng., Tokyo Univ. of Sci., Yamaguchi) TAKAKI, Akihiro; INOKUCHI, Makoto
- 3PA-065** Stress Effects on Azobenzene Derivative DN-azo and its Iodide salt. (Fac. Eng., Tokyo Univ. of Sci., Yamaguchi) YAHIRO, Hiroshi; INOKUCHI, Makoto
- 3PA-066** Preparation of chiral arylolefinyl-benzene supramolecular organic fluorophore having circularly polarized luminescence (CPL) property. (Fac. Sci. Eng., Kinki Univ.) NISHIKAWA, Tomoki; TANIGUCHI, Naoya; HARADA, Takunori; KURODA, Reiko; HUIJIKI, Michiya; IMAI, Yoshitane
- 3PA-067[#]** Search and Control of Polymorphism for β -Carboline Derivatives (CAI, Chiba Univ.) MASU, Hyuma; KITAZAWA, Masaru; NAKAGAMA, Tatsuro
- 3PA-068** The control of assembly and functions of organic salt composing sulfonic acid bearing thiophene frameworks and amines in crystal state. (Grad. Sch. Eng., Osaka Univ.) NISHIDA, Ryunosuke; MIYANO, Tetsuya
- 3PA-069** Preparation of Neotame and Its Apohost Crystal (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) TSUE, Hirohito; HIKASA, Yuri; SASAKI, Kohei; MORI, Yuya; TAKAHASHI, Hiroki; TAMURA, Rui
- 3PA-070** Crystal Structure and Inclusion Ability of *N*-Trityl Ureas Derived from Amino Acids (Grad. Sch. Eng., Chiba Univ.) AKAZOME, Motohiro; NORITA, Naoto; YOKOTA, Shohei; MATSUMOTO, Shoji
- 3PA-071** Crystal Structure and Inclusion Ability of Alcohols Using *tert*-Butylammonium Salts of *N*-Trityldopa (Grad. Sch. Eng., Chiba Univ.) AKAZOME, Motohiro; IKEGAYA, Masato; MATSUMOTO, Shoji
- 3PA-072** Synthesis, Chirality Fixing and Optical Resolution of Oxaphosphino-Calix[3]amide (Kagawa Sch. Pharm. Sci., Tokushima Bunri Univ.; Fac. Pharm. Sci., Toho Univ.) KATAGIRI, Kosuke; ISHIDA, Kaoru; KOMAGAWA, Shinsuke; TOMINAGA, Masahide; YAMAGUCHI, Kentaro; AZUMAYA, Isao
- 3PA-073** Amplification of chirality of succinimides by dynamic crystallization (Grad. Sch. Eng., Chiba Univ.) SAKAMOTO, Masami; KUNITO, Yui; YAGISHITA, Fumitoshi; HACHIYA, Shoko; KASASHIMA, Yoshio; MINO, Takashi
- 3PA-074** Solvent free enantioselective reduction of ketones with NaBH₄ (Grad. Sch. Eng., Shizuoka Univ.) TODA, Mitsuo; MASATOMO, Goto
- 3PA-075** Amorphization behavior of phenoxyls bearing biphenyl groups (Grad. Sch. Sci. Eng., Univ. of Toyama) OKAMOTO, Naoki; HAYASHI, Naoto; YOSHINO, Junro; HIGUCHI, Hiroyuki

Saturday, March 29, AM

(12 : 30~14 : 00)

Organic Crystals

- 3PA-053** Synthesis and Structure of Axially rotating Biaryl compound of Pyridyl-Substituted 1,1'-biazulene (Grad. Sch. Med., Yamaguchi Univ.) NINOMIYA, Kazuki; TSUNASHIMA, Ryo; ISHIGURO, Katsuya; MURAFUJI, Toshihiro
- 3PA-054** Synthesis, structures, and properties of terazulene isomers (Fac. Eng., Yamagata Univ.; Grad. Sch. Sci., Eng., Yamagata Univ.) TAKUBO, Maki; YAMAGUCHI, Yujii; KATAGIRI, Hiroshi
- 3PA-055** Preparation and Structure of [Ni(dmit)]₂ salts with Supramolecular-cation, {Na(dibenzo[18]crown-6)}⁺ (Fac. Sci., Hiroshima Univ.) ICHIHASHI, Katsuya; NISHIHARA, Sadafumi; KONNO, Daisuke; MARYUNINA, Kseniya; INOUE, Katsuya; AKUTAGAWA, Tomoyuki; NAKAMURA, Takayoshi
- 3PA-056** Synthesis and crystal structures of calix[4]arene-lithium complexes possessing hydrogen sorption property (Fac. Eng. Resource Sci., Akita Univ.) SATO, Ryo; YAMADA, Manabu; HAMADA, Fumio
- 3PA-057** Synthesis and Properties of tetracyanoanthraquinodimethanederivatives bearing fused furan rings (Grad. Sch. Sci. Eng., Univ. of Toyama) HAYASHI, Naoto; ONOUE, Masaya; YOSHINO, Junro; HIGUCHI, Hiroyuki
- 3PA-058** Synthesis, structure, and properties of bent-shaped thienoacenes (Grad. Sch. Sci., Eng., Yamagata Univ.) OGAWA, Yuta; TAKIGUCHI, Erika; MAMADA, Masashi; TOKITO, Shizuo; KATAGIRI, Hiroshi
- 3PA-059** Crystal Structure and Magnetic Property of Diacetylene Derivative with a Phenyl Urethane group as a Orientation Group (Fac. Sci. Tech., Keio Univ.) ISHII, Tomoaki; MIURA, Youhei; YOSHIOKA, Naoki
- 3PA-060** Substituent effects on thermal back-reaction for the organic boron complexes with mechanofluorochromic property. (Fac. Edu., Shinshu Univ.) SAGAWA, Takehiro; SAKAI, Atsushi; IKEDA, Hiroshi; OGATA, Yudai; TANAKA, Keiji; ITO, Fuyuki
- 3PA-061** Creation of Emissive Organic Crystals Based on Exciplex of Arene-

Colloid and Interface Chemistry

- 3PB-001** Synthesis and micro-Raman spectroscopy of ZnS particles (OIT Nanomaterials Microdevices Research Center) HARADA, Yoshiyuki; TANAHASHI, Ichiro
- 3PB-002** Electro-Optic Function of Liquid-Crystalline Device Fabricated by Doping with Cross-Linked Cyclodextrin-Protected Au/ZrO₂ Nanoparticles (Tokyo Univ. of Sci., Yamaguchi) WATANABE, Chiyomi; SAWAI, Hiroya; OKAMURA, Ruriko; OHGI, Taeko; SHIRAIISHI, Yukihide
- 3PB-003** Ag nanoparticle-coated cicada wings for surface-enhanced Raman spectroscopy (OIT) TANAHASHI, Ichiro; HARADA, Yoshiyuki
- 3PB-004** Synthesis and optical properties of satellite structures consisting of gold nanoparticles on glass substrate (FIRST, Konan Univ.) TANAKA, Yuya; MATSUMOTO, Ai; TSURUOKA, Takaaki; NAWAFUNE, Hidemi; AKAMATSU, Kensuke
- 3PB-005[#]** Room temperature preparation of Pt nanomaterials in aqueous solution using Proton Beam Irradiation (Suncheon National University Dept. Chemistry) SONG, Jae
- 3PB-006[#]** Dopant dependence of hydrogen storage properties for Pd-metal alloys (IFRC, Kyushu Univ.) BINTI ZULKIFLI, Nor diana; YAYAMA, Tomoe; ISHIMOTO, Takayoshi; KOYAMA, Michihisa
- 3PB-007** A theoretical investigation on hydrogen storage properties of Ag-Rh alloys (IFRC, Kyushu Univ.) YAYAMA, Tomoe; BINTI ZULKIFLI, Nor diana; ISHIMOTO, Takayoshi; KOYAMA, Michihisa
- 3PB-008** Synthesis and spectroscopic properties of thiosugar-capped gold clusters (Grad. Sch. Med., Eng., Univ. of Yamanashi) SHINOHARA, Akira; SHINMORI, Hideyuki
- 3PB-009** Theoretical analysis for interface interaction and hydrogen absorption of Pd@HKUST-1 combined material (IFRC, Kyushu Univ.)

- TSUTSUMI, Tatsuki; YAYAMA, Tomoe; ISHIMOTO, Takayoshi; KOYAMA, Michihisa
- 3PB-010** Light-induced Arrangement of Thymine Functionalized Gold Nanoparticles and Nanoclusters (Grad. Sch. Eng., Shizuoka Univ.) TAKAHASHI, Ryo; HIRAI, Shinnosuke; MIYAKE, Mikio; MIYABAYASHI, Keiko
- 3PB-011** Fabrication of Metal Nanoparticles Encapsulated Multi-Layered Metal Oxide Structure (FIRST, Konan Univ.) YAMASHITA, Miho; TURUOKA, Takaaki; NAWAFUNE, Hidemi; AKAMATSU, Kensuke
- 3PB-012** Synthesis and catalytic activity of morphology-controlled Ni-Pt alloy nanoparticle (The Univ. of Shiga Pref.) NAGAOKA, Ayumu; IWAMOTO, Takashi; CUYA, Jhon; MAENOSONO, Shinya; MIYAMURA, Hiroshi; JEYADEVAN, Balachandran
- 3PB-013** Exchanges of Protective Agents for Gold Triangular Nanoplates and Effect for Enhancements of Fluorescence (Fac. of Eng., Okayama Univ. of Sci.) TAKEZAKI, Makoto; KIYOHARA, Yohei; SENOO, Jin; TOMINAGA, Toshihiro
- 3PB-014** Development of ¹⁹F-MRI Probes Based on Gold Nanoparticles (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) SAKAI, Naoko; TAKI, Masayasu; YAMAMOTO, Yukio
- 3PB-015** Investigation of the Effect of Water Added into Ionic Liquid on Size-controlled Nanoparticles Synthesis Using Fluorescence Probes (Dept. Mat. Sci., Wakayama Nat. Coll. of Tech.) HAYASHI, Junjiro; IDOMOTO, Shou
- 3PB-016** Synthesis and Optical Properties of Heterostructured Au/ZnS Nanoparticles (ICR, Kyoto Univ.) KIMURA, Masato; YOSHINAGA, Taizo; SAKAMOTO, Masanori; HURUBE, Akihiro; TERANISHI, Toshiharu
- 3PB-017** Properties in aqueous solution of a mixture of an amphoteric surfactant with a series of carboxylic acids (Nagoya Inst. of Tech. Graduate School of Engineering) ARAI, Yusuke; YAMAMOTO, Yasushi; TAGA, Keiji
- 3PB-018** Effect of alkali metal ion inclusion on aggregation behavior of crown-ether surfactants (Sch. Sci., Tokai Univ.) SUZUKI, Maki; FUJIO, Katsuhiko
- 3PB-019** Synthesis and Thermodynamic Quantities of Micellization of a Surfactant Having an Azulene Ring (Sch. Sci., Tokai Univ.) IKEDA, Yuki; OSHIMA, Hisato; FUJIO, Katsuhiko
- 3PB-020** Recognition of esters and formation of aggregate by His/Ser conjugate (Fac. Sci., Kanagawa Univ.) SHIRATORI, Ai; KIHARA, Nobuhiro
- 3PB-021** Fabrication of Novel Nanotubes through One-dimensional Fusion of Polymer Nanocapsules (Grad. Sch. Eng., Osaka Univ.) INADA, Kiyotaka; KIDA, Toshiyuki
- 3PB-022** Chiral gold nanorods superstructure induced by cysteine-appended azobenzene (Grad. Sch. Med., Eng., Univ. of Yamanashi) MOCHIZUKI, Chihiro; SHINMORI, Hideyuki
- 3PB-023** Hierarchical self-assembly of collagen-mimetic peptides with a variety of aromatic rings at N-terminus (Doshisha Univ.) KINGETSU, Shinya; YOSHIKAWA, Ryo; KOGA, Tomoyuki; HIGASHI, Nobuyuki
- 3PB-024** Gel-sol transition behavior of time-limitable hydrogels from self-assembling collagen-mimetic peptides containing various hydrophobic amino acids (Doshisha Univ.) MATSUYAMA, Yuusuke; MIYAZAWA, Go; KOGA, Tomoyuki; HIGASHI, Nobuyuki
- 3PB-025** Development of artificial viral capsid encapsulated zinc oxide nanoparticles (Grad. Sch. Eng., Tottori Univ.) FUJITA, Seiya; MATSUURA, Kazunori
- 3PB-026** Creation of artificial viral capsid dressed-up with gold nanoparticles (Fac. Eng., Tottori Univ.) UENO, Genki; MATSUURA, Kazunori; FUJITA, Seiya
- 3PB-027** Deformation of vesicle-based model protocells into urchin-like giant vesicles induced by lipoplex formation of DNA and cationic membrane lipid (Grad. Sch. Arts and Sci., The Univ. of Tokyo) MATSUO, Muneyuki; KURIHARA, Kensuke; TOYOTA, Tarō; SUGAWARA, Tadashi
- 3PB-028** Self-assembling properties of semi-artificial curdlan derivatives (Sojo Univ. Department of nanoscience) HORI, Kaori; ISHIDA, Takumi; TAMARU, Shun-ichi; SHINKAI, Seiji
- 3PB-029** Self-assembly study on water/ionic liquid interface (Sojo Univ. Department of Nano Science) KATAYAMA, Risa; ISHIDA, Takumi; SHINKAI, Seiji; TAMARU, Shun-ichi
- 3PB-030** Alkyl Length Dependence in Aggregating Surface Structure of Dye Molecules Substituted by Alkoxy (Fac. Sci., Tokyo Univ. of Sci.) TAMAKI, Yoshinori; HONDA, Akinori; MUTO, Kosuke; MIYAMURA, Kazuo
- 3PB-031** Development of supramolecular nanocomposites based on semi-artificial branched polysaccharides (Fac. Eng., Sojo Univ.) HONZAKI, Miyabi; TAMARU, Shunichi; SHINKAI, Seiji
- 3PB-032** Development of Nanostructured Ion Conductors by Control of Intermolecular Interactions between Mesogenic Compounds and Ionic Liquids (Grad. Sch. Eng., The Univ. of Tokyo) YAMASHITA, Akihiro; YOSHIO, Masafumi; OHNO, Hiroyuki; KATO, Takashi
- 3PB-033** Adhesion of Gels and Substrates by Coupling Reaction at the Interface (Grad. Sch. Sci., Osaka Univ.) SEKINE, Tomoko; TAKASHIMA, Yoshinori; HARADA, Akira
- 3PB-034** Electrochemical Properties of Gel Electrolyte Based on Novel Low Molecular Weight Organic Gelator (Grad. Sch. Sci. Eng., Yamaguchi Univ.) YOSHIDA, Tomohiro; NAKAMURA, Toru; MORITA, Yuki; OKAMOTO, Hiroaki
- 3PB-035** Effects of Biphenyl Compounds Having Perfluoroalkyl Group of the Terminal Substituent on Gel Properties (Grad. Sch. Sci. Eng., Yamaguchi Univ.) KANETADA, Kotaro; OKAMOTO, Hiroaki; MORITA, Yuki; NAKATANI, Makoto
- 3PB-036** Fabrication of Super-hydrophobic Surface using Organogelators and Fatty Acids (Nagoya Municipal Industrial Research Institute) NAKANO, Kazunori; YAMANAKA, Motoshi
- 3PB-037** The synthesis of 1,3-dialkylimidazolium bromide and liquid crystal properties (Fac. Eng., Soka Univ.) SHINOMIYA, Teruo; ABE, Kazuma; SAITO, Minoru; DOMAE, Hideo; ITO, Masato
- 3PB-038** Gel-like behaviors induced by shear flow in a mixture of water / organic solvent / salt (Coll. Sci. Eng., Ritsumeikan Univ.) SADAKANE, Koichiro
- 3PB-039** Synthesis and liquid crystal properties of 1,4-bis(4-alkoxyphenylazo) benzene and 1,3-bis(4-alkoxyphenylazo)benzene (Fac. Eng., Soka Univ.) UCHIDA, Nozomi; TAKAHASHI, Yumika; ITO, Masato
- 3PB-040** Study on emulsification activity of ovalbumin (Fac. Agr., Kagawa Univ.) KOBAYASHI, Emi; MASUDA, Takeshi; FUKADA, Kazuhiro
- 3PB-041** Aggregate formation of nonionic surfactant in ionic liquid and their application to the synthesis of metal nanoparticles (Fac. Human Life Env., Nara Women's Univ.) HARADA, Masafumi; HORIGUCHI, Shiori; SAJIO, Kenji
- 3PB-042** Characterization of Pyrene-labeled Dialkylammonium as a Fluorescent Lipid in Monolayer and Bilayer membrane (Shibaura Inst. of Tech.) HORII, Takahiro; UNO, Takanori; MATSUMURA, Kazunari
- 3PB-043** Thermodynamic quantity changes of sodium octylbenzenesulfonate associated with the adsorption at various interfaces (Fukuoka Women's University Human Environmental Science) OOGA, Yuki; YOSHITAKE, Sae; NAKAGAWA, Ayuka; IKEDA, Norihiro
- 3PB-044** Electrochemical Detection of Metal Ions with Self-Assembled Monolayer of Ferrocene-Deazapurine-Linked Thiol (Fac. Eng., Mie Univ.; Grad. Sch. Eng., Mie Univ.) KAWANO, Takashi; HANAI, Narimi; TONO, Ayaka; OKAZAKI, Takao; KITAGAWA, Toshikazu
- 3PB-045** The Effect of Surface Anchor Ligands for Hydrogen-terminated Silicon on Electron Transfer Rate Constant (Grad. Sch. Sci., The Univ. of Tokyo) MAEDA, Hiroaki; SAKAMOTO, Ryota; NISHIHARA, Hiroshi
- 3PB-046** Effect of Applied Electric Voltage in Electroformation of Giant Vesicles (Fac. Eng., Shinshu Univ.) OKUMURA, Yukihsa
- 3PB-047** Salt-induced aggregation of anionic phospholipid membranes: stronger aggregation for longer Debye screening length (Sch. Sci. Eng., Univ. of Tsukuba) NOMURA, Yoko; HISHIDA, Mafumi; NAGATOMO, Shigenori; YAMAMURA, Yasuhisa; SAITO, Kazuya
- 3PB-048** Formation of Gold Nanodendrites on Si Wafer in Aqueous Media (Fac. Sci. Eng., Kinki Univ.) SOEJIMA, Tetsuro; KATAYAMA, Yukihiro; AMAKO, Yuta
- 3PB-049** Electronic state changes of TiO₂ upon metal nanoparticle modifications when it is irradiated by UV. (Sch. Sci. Tech., Kansei Gakuin Univ.) KURAWAKI, Yuji; TANABE, Ichiro; OZAKI, Yukihiro
- 3PB-050** Micro structural changes of lotus leaf on the influence of the wettability (Grad. Sch. Sci. Tech., Ryukoku Univ.; Asahikawa Medical Univ. Department of Chemistry; RIKEN Research Cluster for Innovation; Sch. Pharm., TUPLS) YAMAMOTO, Minehide; NISHIKAWA, Naoki; MAYAMA, Hiroyuki; NAKAMURA, Shinitiro; YOKOJIMA, Satoshi; UCHIDA, Kingo
- 3PB-051** Hydroxyl radical production under semi-dry atmosphere and its application for modification of solid-surface (Grad. Sch. Life Sci. Sys. Eng., KIT) MATSUO, Keishi; TANAKA, Masami; NAKATA, Hideo; HARUYAMA, Tetsuya
- 3PB-052** Development of hybrid nanoparticles consisting of silica-metal island nanostructures and evaluation of their functionality as near-infrared responsive SERS probes (Coll. Sci. Tech., Nihon Univ.) KAMIOKA, Rio; SUGAWA, Kosuke; AKIYAMA, Tsuyoshi; OTSUKI, Joe
- 3PB-053** Effect of local electric fields from anisotropic silver nanoparticles on photocatalytic activity of visible-light-responsive TiO₂ (Coll. Sci. Tech., Nihon Univ.) KURATA, Nozomi; SUGAWA, Kosuke; OTSUKI, Joe
- 3PB-054** Development of highly ordered pore array of alumina with ultrafine diameter for template synthesis of quantum dot array (Fac. Sci., Yamaguchi Univ.) SHOIRIKI, Yusuke; KANEYASU, Shiro; HONDA, Kensuke
- 3PB-055** The fabrication of wide gap semiconductor materials by incorporating hetero atoms (Fac. Sci., Yamaguchi Univ.) YAMADA, Masahiro; NAGATA, Yoshiya; HONDA, Kensuke
- 3PB-056** Fabrication of the template material with 20nm of pore size and resistance to plasma using block copolymer (Fac. Sci., Yamaguchi Univ.) KANEYASU, Shiro; SHOIRIKI, Yusuke; HONDA, Kensuke
- 3PB-057** Lubrication property of ionic liquid between smooth surfaces (Tsuruoka Nat. Coll. of Tech.) OKADA, Ryoji; KAMIJO, Toshio; ARAFUNE, Hiroyuki; MORINAGA, Takashi; SATO, Takaya
- 3PB-058** Development of low friction materials using porous anodic alumina (Tsuruoka Nat. Coll. of Tech.) ISHIZUKA, Takuya; KAMIJO, Toshio; ARAFUNE, Hiroyuki; HONMA, Saika; MORINAGA, Takashi; SATO, Takaya
- 3PB-059** Color properties of artificial skin under organic EL light (Grad. Sch. Sci., Eng., Yamagata Univ.) YAMAMOTO, Yoshiaki; AWASHIMA, Yuki; YAMAUCHI, Yasuki; NONOMURA, Yoshimune

Resources Utilization Chemistry

- 3PB-061** Synthesis of lower olefins via syngas over iron-based catalysts (ETRI, AIST) TAKAHARA, Isao; MURATA, Kazuhisa; LIU, Yanyong; INABA, Megumu
- 3PB-062** Addition Effects of Non-Aqueous Medium on MDEA Solution for High Pressure CO₂ Capture (RITE Chemical Research Group) YAMAMOTO, Shin; YAMADA, Hidetaka
- 3PB-063** Analysis of the Bio-oil produced by a fast pyrolysis of forest scraps (Sch. Mat. Sci., JAIST) NISHIMURA, Shun; EBITANI, Kohi
- 3PB-064** Catalytic conversion of xylose in high-temperature liquid water with carbon dioxide (AIST CCS) SATO, Osamu; YAMAGUCHI, Aritomo; MIMURA, Naoki; HIYOSHI, Norihito; SHIRAI, Masayuki; HANAOKA, Takaaki; MOMIYAMA, Ai
- 3PB-065** Study on Optimum Preparation Conditions for formation of Urea-Oil Clathrates (Coll. Industrial Tech., Nihon Univ.) HAYASHI, Yuya; FURUKAWA, Shigeki
- 3PB-066** Purification of Waste oil and BDF by Using various chacoals (Grad. Sch. Industrial Tech., Nihon Univ.) TERAJ, Tomohisa; FURUKAWA, Shigeki
- 3PB-067** The conversion of monosaccharide and disaccharide to a furan derivative with a surface-modified silica catalyst (Coll. Sci. Tech., Nihon Univ.) ISHII, Kazutaka; YONEDA, Tetsuya; AOYAMA, Tadashi; TAKIDO, Toshio
- 3PB-068** Formation of formic and acetic acid by wet oxidation of monosaccharides derived from sea algae (RLHC, Kochi Univ.) OKUDA, Kazuhide
- 3PB-069** Electrodeposition of Silicon Thin Films Using a mixture of Tribromosilane and Tetabromosilane (Ube National College of Technology Department of Chemical and Biological Engineering) TOMONO, Kazuaki; HIDA, Tatsuya; SAKAGUCHI, Mayumi; NAKAYAMA, Masaharu
- 3PB-070** Synthesis and Properties of Network Polymer Bearing with Vegetable Oil Derivatives and Maleimide Derivatives by Reversible Reaction (Tri, Osaka) INOUE, Yohtarō; TACHI, Hideki; YAMAMOTO, Kazuhiko; MORI, Takashi

Saturday, March 29, PM

(15 : 00~16 : 30)

Organic Chemistry -Reaction and Synthesis-
Aliphatic and Alicyclic Compounds

- 3PC-001** Development of Rh-Catalyzed Cross-Aldol-Type Reaction (Grad. Sch. Pharm., The Univ. of Tokyo; ERATO-JST; ACT-C-JST) YAMAMOTO, Kumiko; LIN, Luqing; MATSUNAGA, Shigeki; KANAI, Motomu
- 3PC-002** Polystyrene-supported triphenylphosphine as an efficient and reusable organocatalyst for the Mukaiyama aldol reaction (Coll. Edu., Ibaraki Univ.) KIMURA, Junya; MATSUKAWA, Satoru
- 3PC-003** Synthesis of airstable diphosphonium salt and its use in organic synthesis (Coll. Edu., Ibaraki Univ.) SAIKI, Sayaka; TAKAHASHI, Hiroshi; MATSUKAWA, Satoru
- 3PC-004** In situ-generation of cyclic ketene silyl acetals and its synthetic application (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.) KOBAYASHI, Osamu; SASAKI, Yuuichi; ISHII, Nobuyuki; MATSUMOTO, Takashi; YANAI, Hikaru
- 3PC-005** Synthetic Study of Chiral Podoblastins utilizing a 1,3-Bis(silyl)dienol ether (Sch. Sci. Tech., Kwasei Gakuin Univ.) FUJIWARA, Tetsuya; OTSUKA, Arisa; ASHIDA, Yuichiro; TANABE, Yoo
- 3PC-006** Catalytic asymmetric direct aldol reaction of fluoral hemiacetal with 2-methoxyacetophenone (Fac. Eng., Gifu Univ.) FUNABIKI, Kazumasa; YANO, Yosuke; KUBOTA, Yasuhiro; MATSUI, Masaki
- 3PC-007** Asymmetric aldol reactions using polymer-tethered organocatalyst (Fac. Sci., Sophia Univ.) AKEBI, Ryuji; INOUE, Takahiro; ASADA, Takumi; SUZUKI, Noriyuki; MASUYAMA, Yoshiro
- 3PC-008** Aza-Henry Reaction Using DMSO (Coll. Sci., Ibaraki Univ.) ISOBE, Toshihiro; KATO, Atsuki; ORIYAMA, Takeshi
- 3PC-009** Development of Cinchona Alkaloid Amide/Zinc(II) Catalyzed Direct Asymmetric Vinylogous Mannich Reaction of Ketimines. (Nagoya Inst. of Tech.) YAMAJI, Ryota; HAYASHI, Masashi; NAKAMURA, Syuichi
- 3PC-010** Enantioselective Addition of Diethylzinc to Aldehyde by a Use of 1,4-Amino Alcohol with Chiral Amino Moiety (Grad. Sch. Eng., Yokohama Natl. Univ.) YACHI, Naoyuki; ITO, Suguru; HOSODA, Naoya; YAMAGUCHI, Yoshitaka; ASAMI, Masatoshi
- 3PC-011** Selective Debenzylation of Benzyl Derivatives Using Oxidation of Alkali Metal Bromide. (Grad. Sch. Sci., Chiba Univ.) NAKAMURA, Yuu; MORIYAMA, Katsuhiko; TOUGOU, Hideo
- 3PC-012** Enantioselective Addition of Diethylzinc to Aldehydes Catalyzed by Polymer-bound Chiral Diamine (Grad. Sch. Eng., Yokohama Natl. Univ.) SOETA, Takashi; ITO, Suguru; HOSODA, Naoya; ASAMI, Masatoshi
- 3PC-013** Development of Asymmetric Alkylation of α -Pentafluorophenyl Ketones (Fac. Eng. Nagoya Inst. of Tech.) OKUYAMA, Kenta; MATSUZAKI, Kohei; TOKUNAGA, Etsuko; SHIBATA, Norio
- 3PC-014** Umpolung N,N-Dialkylation and Amidation Reactions of α -Hydrazono Esters (Grad. Sch. Eng., Mie Univ.) MAEDA, Tatsuya; SHIMADA, Yasushi; SHIMIZU, Makoto
- 3PC-015** Study of N-Alkylation of β, γ -Alkenyl- α -iminoester and Subsequent Addition to Conjugated Iminium Salt (Grad. Sch. Eng., Mie Univ.) TANAKA, Hirota; ARATAKE, Kana; SHIMIZU, Makoto
- 3PC-016** Syntheses of Aromatic Nitriles with Ammonium Tribromide (Sch. of Med., Fukushima Med. Univ.) SAYAMA, Shinsei
- 3PC-017** DFT study of highly regio- and stereoselective 1,6-addition catalyzed by aminophosphonium salts (Hoshi Univ.; Rikkyo Univ. Grad. Sch. Sci.; Grad. Sch. Eng., Nagoya Univ.; Nagoya Univ. WPI-ITbM; JST CREST) SAKATA, Ken; YAMANAKA, Masahiro; YOSHIOKA, Ken; URAGUCHI, Daisuke; OOI, Takashi
- 3PC-018** Synthesis of α -aminocarbonyl compounds via hetero-Diels-Alder reaction (Grad. Sch. Fac. Sci., Kanagawa Univ.) SAKURAI, Masayoshi; KIHARA, Nobuhiro
- 3PC-019** Enantioselective Synthesis of Trifluoromethylated Cyclohexenes by Diels-Alder Reaction with Chiral Secondary Amine Catalyst (Toyoashi Univ. of Tech.) KAWASAKI, Yohei; SHIBATOMI, Kazutaka; IWASA, Seiji
- 3PC-020** Synthesis of chiral thioamides and thionolactones for the purpose of antibacterial activity (Kitami Inst. of Tech.) SHIMOTORI, Yasutaka
- 3PC-021** Nucleophilic Addition Reaction to Iminium Salts Generated from Cyclic Amino Ketene Silyl Acetals Followed by Ring-Closing Metathesis. (Grad. Sch. Eng., Mie Univ.) YATO, Atsuhiko; KAWAMURA, Takato; SHIMIZU, Makoto
- 3PC-022** Stereoselective bicyclic structure formation using cyclic α, β -unsaturated ketone: Danheiser annulation (Kinki Univ. Dept. Adv. Biosci., Fac. Agric.) NISHIKAWA, Atsuya; SHIRAI, Takashi; KITAYAMA, Takashi
- 3PC-023** Titanium Tetraiodide Induced Cyclization of Cyanoketones into Nitrogen Containing Heterocycles (Grad. Sch. Eng., Mie Univ.) KAYAKI, Shota; SAKATA, Keito; HACHIYA, Iwao; SHIMIZU, Makoto
- 3PC-024** Desymmetrization of Heterocyclic Compounds Formed by Cycloaddition Reactions of the Diene Derived from 2,3-Dimethoxy-2,3-dimethyl-1,4-dioxane (Grad. Sch. Eng., Mie Univ.) YAMAMOTO, Toshihiro; SHINDO, Hiroaki; MIZOTA, Isao; HACHIYA, Iwao; SHIMIZU, Makoto
- 3PC-025** Synthesis of 2-Iminopyridine and 2- Aminopyridinium Salts (Grad. Sch. Eng., Mie Univ.) KUGISAKI, Naoki; FUKUTOMI, Makoto; HACHIYA, Iwao; SHIMIZU, Makoto
- 3PC-026** Influence of Ring Size and α -N Substituents in Deoxofluorination of Cyclic Ketones (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) ISHII, Satoe; WATANABE, Soichiro
- 3PC-027** Study on the Synthesis of Fluorocyclobutene Derivatives via Elimination Reactions (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) MINAMI, Yukari; WATANABE, Soichiro
- 3PC-028** Synthesis and fluorescent properties of new fluorescent nucleic acids having 3-methylbenzofuran derivatives (Sch. Biosci. Biotech., Tokyo Tech) KANAMORI, Takashi; MIYAMURA, Daichi; MASAKI, Yoshiaki; OHKUBO, Akihiro; SEKINE, Mitsuo; SEIO, Kohji
- 3PC-029** Synthetic Study of Biologically Active Cudraflavone B (Grad. Sch. Eng., Mie Univ.) TANIGUTI, Kana; OBARA, Akihiro; MIZOTA, Isao; SHIMIZU, Makoto
- 3PC-030** Preparation of A-Ring Units for 19-nor-Vitamin D Derivatives (Fac. Eng., Kanagawa Univ.) IBE, Kouta; TAKAGI, Hiromasa; OKAMOTO, Sentaro
- 3PC-031** Total synthetic study of Valerena-4,7(11)-diene with sedative activity (Kinki Univ. Dept. Adv. Biosci., Grad. Sch. Agric.) SHIRAI, Takashi; KITAYAMA, Takashi
- 3PC-032** Multicomponent synthesis of spirooxindoles using DMSO (Coll. Sci., Ibaraki Univ.) FUKASAKU, Yosuke; KOYAMA, Taito; ORIYAMA, Takeshi
- 3PC-033** Ti-Claisen Condensation between α -Silyl Esters and Methyl Formate (Sch. Sci. Tech., Kwasei Gakuin Univ.) KAJIMOTO, Satomi; ITO, Yutaro; ASHIDA, Yuichiro; TANABE, Yoo
- 3PC-034** Organocatalytic Asymmetric Addition of Thiols to Ketimines: Efficient Synthesis of Chiral N,S-acetals. (Nagoya Inst. of Tech.) TAKAHASHI, Shun; NAKAMURA, Shuichi
- 3PC-035** Tail-to-Tail Dimerization of Methacrylonitrile Catalyzed by N-Heterocyclic Carbene (Nagoya Inst. of Tech. Department of Material Science and Engineering) KATO, Terumasa; MATSUOKA, Shin-ichi; TAKAGI, Koji; SUZUKI, Masato
- 3PC-036** Diphenylprolinol Silyl Ether-Catalyzed Enantioselective Synthesis of Cyclopropanes Bearing Quaternary Carbon Center: DFT Investigation of the Mechanism for the Cyclopropanation (NRI, AIST; Grad. Sch. Chem. Sci. Technol., Tokyo Univ. of Sci.; Grad. Sch. Sci., Tohoku Univ.) UCHIMARU, Tadafumi; YAMAZAKI, Tatsuya; NAKANISHI, Yuki; HAYASHI, Yujiro
- 3PC-037** Asymmetric Michael addition of alkyl thiols to nitroolefins using novel urea catalyst (Coll. Sci., Ibaraki Univ.) YOSHIDA, Kazuki; KAWAZOE, Souichirou; ORIYAMA, Takeshi
- 3PC-038** Fine-tuning of Organocatalyst for Quaternary Carbon-Containing Aldol Reactions Through High Throughput Fluorescence-Based Screening (Grad. Sch. Eng., Shizuoka Univ.) ITO, Hiroshi; MASE, Nobuyuki
- 3PC-039** Identification of Reaction Selective Organocatalysts Through High

- Throughput Fluorescence-Based Screening (Grad. Sch. Eng., Shizuoka Univ.) SASAKI, Aiko; MASE, Nobuyuki
- 3PC-040** Development of Efficient Aerobic Oxidations with Micro and Nanobubbles (Grad. Sch. Eng., Shizuoka Univ.) INAZAWA, Katsuyuki; MASE, Nobuyuki
- 3PC-041** Enantioselective addition of acetylene equivalents to aldehydes by a use of *o*-xylylene type 1,4-amino alcohol with chiral aminal moiety (Grad. Sch. Eng., Yokohama Natl. Univ.) MATSUDA, Kohei; ITO, Suguru; HOSODA, Naoya; ASAMI, Masatoshi
- 3PC-042** Study on an asymmetric reaction field based on the hydrogen bonding of the imide group (Grad. Sch. Fac. Sci., Kanagawa Univ.) KOBORI, Ayaka; KIHARA, Nobuhiro
- 3PC-043** Thermodynamic asymmetric synthesis of crown ether using reversible Nicholas etherification (Grad. Sch. Fac. Sci., Kanagawa Univ.) URAI, Naoki; KIHARA, Nobuhiro
- 3PC-044** Study on the Esterification by Thermal Expansive Graphite as a Solid Acid Catalyst (WINTEC) MORI, Hajime; TANAKA, Yoshie; MIYAZAKI, Takashi; MORI, Takeshi
- 3PC-045** Development of mild organic solid acid using aniline resin salt (Sch. Life Dent., The Nippon Dental Univ.) TANEMURA, Kiyoshi; SUZUKI, Tsuneo
- 3PC-046** Development of Chiral Silver Bisamidine Catalyzed Asymmetric Friedel-Crafts Alkylation of Indoles with Nitroalkenes (Rikkyo University Fac. Sci.) TAKITA, Kyoko; YAMANAKA, Masahiro
- 3PC-047** Novel radical reaction of aminyl radical prepared by the reduction of 2-(phenylseleno)ethanesulfonamide (Grad. Sch. Fac. Sci., Kanagawa Univ.) IWASAKI, Ryo; KIHARA, Nobuhiro
- 3PC-048** Synthesis of 4-bromoacetanilide by regioselective bromination of acetacetanilide (Grad. Sch. Sci. Eng., Yamaguchi Univ.; Tosoh Organic Chemical Co. Ltd.) YAMAMOTO, Hidetoshi; HOSOMITSU, Nozomi; FURUTA, Takahiro; SUMIMOTO, Michinori; HORI, Kenji; MIYATA, Takuya; NAGASAKI, Noritaka
- 3PC-049** One-pot Conversion of Aromatics into Aromatic Esters and Amides via Aryl Trichloromethyl Ketones (Grad. Sch. Sci., Chiba Univ.) DOHI, Soya; MORIYAMA, Katsuhiko; TOGO, Hideo
- 3PC-050** Preparation and Their use for Alcohol Oxidation of Novel 1-Acetoxy-1,2-benzodioxole-3(1H)-one Derivatives (Grad. Sch. Sci., Chiba Univ.) IINUMA, Masataka; MORIYAMA, Katsuhiko; TOGO, Hideo
- 3PC-051** One-pot transformation of methylarenes to aromatic nitriles with inorganic reagents (Grad. Sch. Sci., Chiba Univ.) KAWAGOE, Yusuke; MORIYAMA, Katsuhiko; TOUGOU, Hideo
- 3PC-052** One-Pot C-Heteroatom Bond Formation of Methylarenes at Benzylic Position (Grad. Sch. Sci., Chiba Univ.) SHIMOJO, Hiroyuki; MORIYAMA, Katsuhiko; TOGO, Hideo
- 3PC-053** One-pot Transformation of Methylarenes into Aromatic Aldehydes under Metal-Free Conditions (Grad. Sch. Sci., Chiba Univ.) TABATA, Masayuki; MORIYAMA, Katsuhiko; TOGO, Hideo
- 3PC-054** Synthetic Study of Matemone Containing an Oxindole (Grad. Sch. Eng., Mie Univ.) KATSURAYAMA, Haruna; IMAZATO, Hayao; SHIMIZU, Makoto
- 3PC-055** Intermolecular Nucleophilic Addition Reaction of α -Imino Esters Using C-Silylation Followed by Aza-Brook Rearrangement (Grad. Sch. Eng., Mie Univ.) KATANNO, Takafumi; WAKATSUKI, Hikaru; MIZOTA, Isao; SHIMIZU, Makoto

Organic Chemistry -Reaction and Synthesis-Aromatic Compounds

- 3PC-057** Synthesis of phenylindane by dimerization of ferulic acid (Wakayama Nat. Coll. of Tech.) YAMAMOTO, Tomoya; KAKIMOTO, Yasuhiro; NOMURA, Eisaku
- 3PC-058** Effect of salt and water on the formation of HMF from fructose in DMSO (Wakayama Nat. Coll. of Tech.) SHIROI, Natsuka; IWAKI, Azusa; NOMURA, Eisaku
- 3PC-059** Development of chiral azobenzene-based stimuli-responsive catalyst (Fac. Eng., Tokyo Univ. of Sci.) IMAHORI, Tatsushi; OMAGARI, Takumi; UTO, Syota; KURIHARA, Seiji; TAKAISHI, Kazuto; UCHIYAMA, Masanobu; HANDA, Shinya
- 3PC-060** Development of azobenzene diamine-based stimuli-responsive catalysts (Fac. Eng., Tokyo Univ. of Sci.) HANDA, Shinya; MURATA, Daisuke; SUENAGA, Akari; KURIHARA, Seiji; IMAHORI, Tatsushi
- 3PC-061** enzyme-catalyzed syntheses of optically active compounds with fragrance (Toyama Pref. Univ. Faculty of Engineering) KAWASAKI, Masashi
- 3PC-062** Single-Step Conversion from Aldehydes to Ethers by Zinc Triflate-Catalyzed Reductive Coupling (Fac. Sci. Technol., Tokyo Univ. of Sci.) NONOMURA, Yoshifumi; KONAKAHARA, Takeo; SAKAI, Norio
- 3PC-063** Synthesis of ester compounds by retro-Claisen reaction using aliphatic alcohol (Bio-Nano Electronical Research Center, Toyo Univ.) AIKAWA, Shunichi; YOSHIDA, Yasuhiko
- 3PC-064** A New Effective Method for Regioselective Synthesis of Xanthenes (Tokyo Univ. Pharm. Life Sci. Sch. Pharm.; Grad. Sch. Sci., Eng., Tokyo Tech.) FUJIMOTO, Yuuki; HOSHI, Hiroki; KUROKAWA, Haruhito; ITO, Hiromi; ITO, Yumina; TAKEMURA, Ayano; ITAKURA, Ryohei; ANDO, Yoshio; SUZUKI, Keisuke; DOBASHI, Yasuo; YANAI, Hikaru;

- MATSUMOTO, Takashi
- 3PC-065** Development of Efficient Synthesis of Xanthene with Different Substituents at 4- and 5-Positions (Grad. Sch. Sci., Kobe Univ.) KOIDE, Miki; SHIN, Yong soon; MATSUBARA, Ryoosuke
- 3PC-066** Synthesis of Warped Graphene Sheet Having Both Planar and Non-planar Substructure (Grad. Sch. Sci., Osaka Pref. Univ.) KASHIHARA, Hitoshi; KAMIKAWA, Ken
- 3PC-067** Synthesis of indolizino[3,4,5-ab]isoindole derivatives from bispyrrolyl aromatic compounds (Grad. Sch. Mat. Sci., NAIST) KUZUHARA, Daiki; MORIYAMA, Hirotake; MIYAKE, Satoshi; ARATANI, Naoki; YAMADA, Hiroko
- 3PC-068** The conformational property of imidazoleamides (Grad. Sch. Human. Sci., Ochanomizu Univ.) ICHINOMIYA, Mami; MASU, Hyuma; KAGECHIKA, Hiroyuki; TANATANI, Aya
- 3PC-069** Synthesis and Properties of Doubly N-Confused Hexaphyrin (1.1.1.1.1.0) bis Pd complexes (Grad. Sch. Eng., Kyushu Univ.) HISAMUNE, Yutaka; NISHIMURA, Keiichi; FURUTA, Hiroyuki
- 3PC-070** The Vilsmeier reaction of fused ring aromatic hydrocarbons under microwave irradiation (Sch. Life Dent., The Nippon Dental Univ.) SUZUKI, Tsuneo; TANEMURA, Kiyoshi
- 3PC-071** Synthesis and Properties of Diphenylvinylbiphenyls (AIST Research Center for Compact Chemical System; Tohoku Gakuin University Faculty of Engineering; NRI, AIST) MIYUKI, Obata; SUZUKI, Hitoshi; NISHIOKA, Masateru; MIYAKAWA, Masato; KAWANISHI, Yuji; MIYAZAWA, Akira
- 3PC-072** Helicene synthesis by photocyclization: its regioselectivity controlled by additives (Grad. Sch. Eng., The Univ. of Tokyo) MORI, Kazuyuki; MURASE, Takashi; FUJITA, Makoto
- 3PC-073** Synthesis and properties of 5-substituted tetrabenzoporphyrins (Fac. Eng., Utsunomiya Univ.) SASAKI, Akira; UNO, Daiki; OBA, Toru; ITO, Satoshi
- 3PC-074** Study on the reaction of guaiazulenesulfonic acid derivatives. (Grad. Sch. Agr. Sci., Kobe Univ.) MIYAKE, Hideyoshi; HIRADE, Ryo
- 3PC-075** Bromination of Multi-functionalized Arenes by 1,3-dibromo-5,5-dimethylhydantoin(DBDMH) (Fac. Sci., Ehime Univ.) KANADA, Tomoko; SUNADA, Ryo; MORI, Shigeki; TANI, Hiroyuki; UNO, Hidemitsu; FUKUTA, Akihiro; EZAKI, Kouji
- 3PC-076** Hydration of aromatic nitriles with chitin-supported ruthenium catalysts (Grad. Sch. Sci., Nagoya Univ.) ISOGAWA, Takahiro; MATSUOKA, Aki; MORIOKA, Yuna; NOYORI, Ryoji; NAKA, Hiroshi
- 3PC-077** Synthetic Study of Tetracyanobutadiene Derivatives Connected by 1,3,5-Tri(1-azuenyl)benzene (Fac. Sci., Shinshu Univ.) MARUYAMA, Akifumi; SHOJI, Taku
- 3PC-078** Study on New Synthetic Method of Macrocyclic Thiocalix[*n*]arenes (Fac. Eng. Resource Sci., Akita Univ.) KIMURO, Takashi; YAMADA, Manabu; KONDO, Yoshihiko; HAMADA, Fumio
- 3PC-079** Synthesis of benzosapphyrins based on retro Diels-Alder reaction (Grad. Sch. Sci., Eng., Ehime Univ.) ABE, Toshiki; MORI, Shigeki; NAKAE, Takahiro; UNO, Hidemitsu; OKUJIMA, Tetsuo
- 3PC-080** Synthesis of conjugation-expanded Aza-BODIPY (Grad. Sch. Sci., Eng., Ehime Univ.) SHIDA, Youichi; TOMIMORI, Yuya; MORI, Shigeki; NAKAE, Takahiro; UNO, Hidemitsu; OKUJIMA, Tetsuo
- 3PC-081** Synthesis and Structural Properties of 1,2-bis(indol-3-yl)ethyne (Chiba Inst. of Tech.) MORIKAWA, Ryo; SHIMASAKI, Toshiaki
- 3PC-082** Synthesis of a Horseshoe-shaped Molecule Composed of Polycyclic Aromatic Compounds and Complex Formation of its Surrogate (Fac. Sci., Toho Univ.; Research Center for Materials with Integrated Properties, Toho Univ.) TOYOSHIMA, Takuya; TOKIZAKI, Tomoyuki; AIDA, Reina; YOSHIDA, Satoshi; WATANABE, Soichiro
- 3PC-083** Zn(salen)-catalyzed asymmetric phenyl transfer to ketones (Fukuoka Univ. of Educ.) SHIMIZU, Keisuke; ITO, Katsuji
- 3PC-084** Oxidative C-C Bond Formation via Dehydrogenative Coupling of Aromatic Compounds Using Vanadium Salts (RCIS, Okayama Univ.) MORIOKU, Kumika; NISHINA, Yuta
- 3PC-085** Catalyst-free alkenylation of indoles with aldehydes in subcritical water (Nagoya Inst. of Tech. Graduate School of Engineering) HATTORI, Reina; OGAWA, Masaki; HIRASITA, Tsunehisa; ARAKI, Shuki
- 3PC-086** Synthesis of triarylmethanes by Friedel-Crafts reaction via the cleavage of carbon-carbon bond (Coll. Sci. Tech., Nihon Univ.) AOYAMA, Tadashi; IWABUCHI, Taku; MITSUYAMA, Emi; NAKAJIMA, Erika; OGAWA, Sumire; TAKIDO, Toshio; KODOMARI, Mitsuo
- 3PC-087** Synthesis of β -Alkyl Substituted Cyclo[n]pyrrole (Fac. Sci., Ehime Univ.) MATSUMOTO, Hiroki; MORI, Shigeki; NAKAE, Takahiro; UNO, Hidemitsu; OKUJIMA, Tetsuo
- 3PC-088** Synthetic study of chiral 1,4 diarylnaphthalenes utilizing chirality exchange benzannulation (Sch. Sci. Tech., Kwansei Gakuin Univ.) IMAI, Yasuaki; ASHIDA, Yuichiro
- 3PC-089** Pd-Catalyzed Dimerization of 1,2-Diaryl-3-trimethylsilyl-1-allyl Acetates for the Synthesis of Aggregation-Induced Emission Enhancement Compounds (Fac. Eng., Univ. of Toyama) KOKETSU, Kaori; HORINO, Yoshikazu; ABE, Hitoshi
- 3PC-090** Reconsideration of Synthetic Route to an Inherently Chiral Calix[4]arene as Substrate-Size Adjustable Organocatalyst (Coll. Industrial Tech., Nihon Univ.) MIYASHI, Naoka; ICHIKAWA, Hayato; SHIMIZU, Shoichi
- 3PC-091** Synthesis and Reactivity of Tetraceno-1,3-dithiol-2-one (Grad. Sch.

- Mat. Sci., NAIST; JST CREST) YAMASHITA, Masataka; SUZUKI, Mitsuharu; KUZUHARA, Daiki; ARATANI, Naoki; YAMADA, Hiroko
- 3PC-092** Examination of Synthesis of Polycyclic Aromatic Hydrocarbons Containing a Borazine Moiety (Fac. Sci., Toho Univ.) OKUWAKI, Kazuya; MATSUKAWA, Shiro; TAKAHASHI, Masashi
- 3PC-093** Synthesis of benzene fused perylene bisimide array (Grad. Sch. Mat. Sci., NAIST; JST CREST) KOJIMA, Mitsuru; ARATANI, Naoki; YAMADA, Hiroko

Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds

- 3PC-097** Easy-to-handle building block for superacidic carbon acids (Tokyo Univ. Pharm. Life Sci. School of Pharmacy) YANAI, Hikaru; YAMADA, Kenta; ONO, Junpei; SASAKI, Yuuichi; MATSUMOTO, Takashi
- 3PC-098** Vanadium-catalyzed oxidative dehydrogenation of hydrazo compounds under molecular oxygen (RCIS, Okayama Univ.) NAKANISHI, Manami; KIKUSHIMA, Kotaro; NISHINA, Yuta
- 3PC-099** Photochromic behaviors of tetracoordinate cationic boron complexes in the solid state (Grad. Sch. Sci. Eng., Univ. of Toyama) SEKIKAWA, Tenku; YOSHINO, Junro; HAYASHI, Naoto; HIGUCHI, Hiroyuki
- 3PC-100** Synthesis, structures, and properties of triarylboranes bearing a pi-conjugated system extended by utilizing the reactivity of an amino group (Grad. Sch. Sci. Eng., Univ. of Toyama) YOSHINO, Junro; KONISHI, Shota; OKETANI, Yukimi; HAYASHI, Naoto; HIGUCHI, Hiroyuki
- 3PC-101** Synthesis and Luminescence Properties of Pt(II) Complexes with Disulfanenitrile as a Fluoride Sensor (Coll. Industrial Tech., Nihon Univ.) UMEZAWA, Masahiro; FUJII, Takayoshi
- 3PC-102** Design of Dynamic Molecular Assemblies Using Phenylboronic Acid Ester (KIT Graduate School of Engineering) KAWASAKI, Hiroyoshi; TSUGE, Akihiko; ARAKI, Koji
- 3PC-103** Synthetic Studies of New Silyl Anion Bearing Three Thioether Moieties (Grad. Sch. Sci. Tech., Gunma Univ.) OTAKI, Rie; TAKEDA, Nobuhiro; UNNO, Masahumi
- 3PC-104** Synthetic Studies on 1,2-Bis(ferrocenyl)dihydrodisilene (ICR, Kyoto Univ.) SUZUKI, Yuko; SASAMORI, Takahiro; TOKITOH, Norihiro
- 3PC-105** Synthetic Studies on a phosphine-substituted germylene (ICR, Kyoto Univ.) AWANE, Hiroyuki; SASAMORI, Takahiro; TOKITOH, Norihiro
- 3PC-106** Examination of Synthesis of Pentacoordinate Silicates Bearing a Sterically Fixed Apical-Equatorial-Equatorial Type Tridentate Ligand (Toho Univ.) OGUMA, Takahiro; MATSUKAWA, Shiro; TAKAHASHI, Masashi
- 3PC-107** Synthesis of a Disiloxane Bearing Terthienyl Groups and Evaluation of its Redox Properties (Fac. Sci., Toho Univ.) WATABIKI, Yuta; MATSUKAWA, Shiro; TAKAHASHI, Masashi
- 3PC-108** Synthesis of polymer supported planar-chiral phase-transfer catalysis and their application to catalytic asymmetric benzylation (Sch. Advanced Sci. Eng., Waseda Univ.) KANOMATA, Nobuhiro; KOMAKI, Seiju
- 3PC-109** Synthesis of novel chiral quaternary phosphonium salts (Fac. Sci., Kyushu Univ.) HIDANI, Yuki; HAMASAKI, Akiyuki; ISHIDA, Tamao; TOKUNAGA, Makoto
- 3PC-110** Synthesis of Tricarbonates from Carbon Dioxide and Glycerol Using Strong Bases (Osaka Municipal Technical Research Institute) MIHARA, Masatoshi; NAKAI, Takeo; IWAI, Toshiyuki; ITO, Takatoshi; OHNO, Toshinobu; MIZUNO, Takumi
- 3PC-111** Synthesis of N-Alkoxyimidoyl Halides using NaHSO₄/SiO₂ (Coll. Sci. Tech., Nihon Univ.) FURUKAWA, Yuri; AOYAMA, Tadashi; ITOH, Ken-ichi; TAKIDO, Toshio; KODOMARI, Mitsuo
- 3PC-112** Synthesis of phosphonites having a binaphthyl group with expectation of the stabilization via intramolecular coordination (Fac. Eng., Gifu Univ.) HIRAI, Yuuki; MAEKAWA, Yuuki; MURAI, Toshiaki
- 3PC-113** Synthesis of Sulfides from Disulfides using L-Cysteine (Sch. Sci. Eng., Meiji Univ.) MURATA, Mari; MIYAKOSHI, Tetsuo
- 3PC-114** Development of a Novel Derivatization Route for Sulfanenitrile Compounds by Palladium Coupling Reaction (Coll. Industrial Tech., Nihon Univ.) SHIINA, Yuuki; FUJII, Takayoshi
- 3PC-115** Synthesis of Benzothiacrown Ethers (Grad. Sch. Sci. Eng., Tokyo Metropolitan Univ.) YONEMOCHI, Yuki; KONNO, Tomoyo; HIRABAYASHI, Kazunori; SHIMIZU, Toshio
- 3PC-116** Investigation of sequential addition of organometallic reagent to selenocoumarin (Fac. Eng., Gifu Univ.) KUBUKI, Hiroaki; YOSHIDA, Akihito; SHIBAHARA, Fumitoshi; MURAI, Toshiaki
- 3PC-117** Oxidation of Sulfides Using Sodium Hypochlorite Pentahydrate (Fac. Sci. Tech., Nippon Light Metal Company; Iharanikkei Chemical Industry Co. Ltd.) KIRIHARA, Masayuki; MATSUMURO, Hiroaki; IWAI, Tshiaki; OKADA, Tomohide; ASAWA, Tomotake; SUGIYAMA, Yukihiro; KIMURA, Yoshikazu
- 3PC-118** Synthesis of Thiiranes from Alkenes with a Hetero Atom and Dienes Using Methoxycarbonylsulfonyl Chloride (Grad. Sch. Sci., Eng., Saitama Univ.) IKOMA, Yuri; NAKASHIRO, Yota; SUGIHARA, Yoshiaki
- 3PC-119** Reaction of Imidazo[1,5-a]pyridyl Selenide and Diselenide with Oxidizing agents (Coll. Eng., Chubu Univ.) NIYOMURA, Osamu; OHSHIMA, Yuu; YAMAGUCHI, Fumito; NISHIWAKI, Shou

- 3PC-120** Novel Synthetic Method of Thioamides using Elemental Sulfur, Amines, and Alcohols (Fac. Sci. Eng., Chuo Univ.) SAKASAI, Nobuhiro; TSUKAMOTO, Eijiro; KODAMA, Shintaro; MUTOH, Yuichiro; ISHII, Youichi
- 3PC-121** Development of Efficient Synthetic Method for α -Sulfinyl Alcohols (Fac. Eng., Gifu Univ.) NOZAWA, Ryo; MURAI, Toshiaki
- 3PC-122** Synthesis of N-Benzyl Thioamides with a Variety of Substituents and Generation of Thioamide Dianions (Fac. Eng., Gifu Univ.) MUTOH, Natsumi; YAMAGUCHI, Kirara; MURAI, Toshiaki
- 3PC-123** Synthesis of Quinolines by Sulfur-Assisted Reaction of Chalcones with Carbon Monoxide (Fac. Chem. Materials and Bioeng., Kansai Univ.) MASHINO, Tsukasa; KOUNO, Hiroshi; UMEDA, Rui; NISHIYAMA, Yutaka
- 3PC-124** Addition reaction of benzylamines with conjugated dienes catalyzed by lithium alkylamide (26) Reactivity of Vinyl pyrroles (Saitama Inst. of Tech. Department of Life Science and Green Chemistry) HAMANA, Hiroshi; YAMANAKA, Akihiro; SAITOU, Tatsuki

Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis

- 3PC-127** Synthesis of methanofullerene PCBM using flow microreactor under photo irradiation condition (Osaka Municipal Technical Research Institute; Ryukoku Univ. Faculty of Science and Technology) IWAI, Toshiyuki; MURATA, Junki; IWASAWA, Tetsuo; MATSUMOTO, Fukashi; HIDA, Kouichi; MORIWAKI, Kazuyuki; TAKAO, Yuko; ITO, Takatoshi; MIZUNO, Takumi; OHNO, Toshinobu
- 3PC-128** Efficient Continuous Flow Synthesis of Methanofullerene Derivative PCBM Using Sulfur Ylide (Osaka Municipal Technical Research Institute; Ryukoku Univ. Faculty of Science and Technology) ITO, Takatoshi; INOUE, Yuta; IWASAWA, Tetsuo; MATSUMOTO, Fukashi; IWAI, Toshiyuki; HIDA, Kouichi; MORIWAKI, Kazuyuki; TAKAO, Yuko; MIZUNO, Takumi; OHNO, Toshinobu
- 3PC-129** Direct Alcohol Reduction by Saccharide-related Compounds in Supercritical Water as A Reaction Medium (KUT) OKIMOTO, Yuki; OISHI, Yuya; WANG, Pengyu; KOBIRO, Kazuya
- 3PC-130** Synthesis of Alkoxyasilanes by Reactions of Methoxy- or Ethoxyasilanes with Alcohols Using Microwave Irradiation and/or Solid Acid Catalysts (AIST Interdisciplinary Research Center for Catalytic Chemistry) YAMASHITA, Hiroshi; HATORI, Makiko; YOSHINAGA, Michiyo