

IEEE IWCMC 2013: Technical Program at a Glance
Cagliari, Italy, July 1—5, 2013

DATE	TIME	ROOM					
July 1, 2013 (Monday)	9:00-12:00	MAGNA			BETA		
		T4: Vehicular Cloud Computing for Urban Applications By: Mario Gerla, UCLA, USA			T2: When “Social Networks” meet the “Internet of Things”: new communication paradigms for the Future Internet of trillions of objects By: Giacomo Morabito, Antonio Iera, and Luigi Atzori, IT		
	12:00-13:30	LUNCH BREAK					
	14:00-17:00	T3: Cloud Computing Security By: Wassim El-Hajj, AUB, Lebanon			T1: Future Networks By: Koichi Asatani, Kogakuin University, Japan		
19:00-20:00	WELCOME RECEPTION						
July 2, 2013 (Tuesday)	8:30-9:00	MAGNA	BETA	V	X	Y	Z
	9:00-10:00	WELCOME & OPENING					
	9:00-10:00	KEYNOTE 1: Lajos Hanzo, University of Southampton, UK TITLE: Cooperative Wireless Communications					
	10:00-10:30	COFFEE BREAK					
	10:30-12:30	TM-1	TM-2	TM-3	TM-4	TM-5	TM-6
	12:30-13:30	LUNCH BREAK					
	13:30-15:30	TA-1	TA-2	TA-3	TA-4	TA-5	TM-6
	15:30-16:00	Coffee Break					
	16:00-18:00	TA-7	TA-8	TA-9	TA-10	TA-11	TA-12
19:00-22:00	NIGHT OUT (On your Own)						
July 3, 2013 (Wednesday)	9:00-10:00	KEYNOTE 2: Robert Schober, University of British Columbia, Canada TITLE: How much can we gain by exploiting buffers in wireless relay networks?					
	10:00-10:30	Coffee Break					
	10:30-12:30	WM-1	WM-2	WM-3	WM-4	WM-5	WA-6
	12:30-13:30	LUNCH BREAK					
	13:30-15:30	WA-1	WA-2	WA-3	WA-4	WM-5	WA-6
	15:30-16:00	Coffee Break					
	16:00-18:00	WA-7	WA-8	WA-9	WA-10	WA-11	WA-12
19:00-21:00	DINNER BANQUET						
July 4, 2013 (Thursday)	9:00-10:00	KEYNOTE 3: Daniele Franceschini, Telecomitalia, Italy TITLE: Overview on the key technology milestones in the Ultra Mobile Broadband evolution path					
	10:00-10:30	Coffee Break					
	10:30-12:30	ThM-1	ThM-2	ThM-3	ThM-4	ThM-5	ThM-6
	12:30-13:30	LUNCH BREAK					
	13:30-15:30	ThA-1	ThA-2	ThA-3	ThA-4	ThA-5	ThM-6
	15:30-16:00	Coffee Break					
16:00-18:00	ThA-7	ThA-8	ThA-9	ThA-10	ThA-11	ThM-12	
July 5, 2013 (Friday)	NO SESSIONS SCHEDULED THIS DAY						

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Università di Cagliari

**Technical Program of IEEE IWCMC 2013
Cagliari, Sardinia, Italy, July 1—5, 2013
Monday, July 1, 2013**

Registration: (8:00-15:00)

Room: Open Hall

Tutorial 1 (9:00-12:00)

Room: MAGNA

Speaker: Mario Gerla, UCLA, USA

Title: Vehicular Cloud Computing for Urban Applications

Chair: Koichi Asatani, Kogakuin University, Japan

Tutorial 2 (9:00-12:00)

Room: MAGNA

Speaker: Giacomo Morabito, Antonio Iera, and Luigi Atzori, University of Cagliari, Cagliari, Italy

Title: When “Social Networks” meet the “Internet of Things”: new communication paradigms for the Future Internet of trillions of objects

Chair: Wassim El-Hajj, American University in Beirut, Lebanon

LUNCH BREAK (12:00 – 13:30)

Tutorial 3 (14:00-17:00)

Room: MAGNA

Speaker: Wassim El-Hajj, American University in Beirut, Lebanon

Title: Cloud Computing Security

Chair: Luigi Atzori, University of Cagliari, Cagliari, Italy

Tutorial 4 (14:00-17:00)

Room: BETA

Speaker: Koichi Asatani, Kogakuin University, Japan

Title: Future Networks

Chair: Mario Gerla, UCLA, USA

WELCOME RECEPTION (19:00-20:00)

Technical Program of IEEE IWCMC 2013
Cagliari, Sardinia, Italy, July 1—5, 2013
Tuesday, July 2, 2013

Registration: (8:00-15:00)

Room: Open Hall

Opening Session: (8:30-9:00)

Room: MAGNA

Speaker: Conference Chairs

KEYNOTE 1 (9:00-10:00)

Room: MAGNA

Speaker: Lajos Hanzo, University of Southampton, UK

Title: Cooperative Wireless Communications

Chair: Mohsen Guizani, Qatar University, Qatar

COFFE BREAK (10:00 – 10:30)

Tuesday Morning Sessions (TM)—(10:30-12:30)

TM-1: Room: MAGNA

Session Title: INVITED PAPERS

Session Chair: Koichi Asatani, Kogakuin University, Japan

1569733471: Novel Activity-based Metrics for Efficient Forwarding over Online and Detected Social Networks, Floriano De Rango (University of Calabria, Italy); Annalisa Socievole (University of Calabria, Italy); Antonio Scaglione (University of Calabria, Italy); Salvatore Marano (University of Calabria, Italy)

1569735159: Average Power Limitations in Sliding Window Contention Resolution Diversity Slotted Aloha, Alessio Meloni (University of Cagliari, Italy); Maurizio Murrioni (University of Cagliari, Italy)

1569736345: A New TCP Bandwidth Estimation Protocol for Satellite Networks, Mauro Tropea (University of Calabria, Italy); Peppino Fazio (University of Calabria, Italy); Floriano De Rango (University of Calabria, Italy); Antonio Francesco Gentile (University of Calabria, Italy)

1569737851: Intelligent and Cooperative Environments via Internet of Sensors: Perspective and Case Study Analysis, Francesco Chiti (Università degli Studi di Firenze, Italy); Romano Fantacci (University of Florence, Italy)

1569737857: Enhancement of Multi-User Access in IEEE 802.11 WLAN Channels, Arafet Ben Makhlof (HKUST, Hong Kong); Mounir Hamdi (Hong Kong University of Science and Technology, P.R. China)

1569738411: Performance of MRC Fusion-based Cooperative Spectrum Sensing with Censoring of Cognitive Radios in Rayleigh Fading Channels, Srinivas Nallagonda (National Institute of Technology, Durgapur, India); Sanjay Dhar Roy (National Institute of Technology Durgapur, India); Sumit Kundu (National Institute of Technology, Durgapur, India); Gianluigi Ferrari (University of Parma, Italy); Riccardo Raheli (University of Parma, Italy)

TM-2: Room: BETA

Session Title: WINET II (Wireless Networks Symposium)

Session Chair: Soumaya Cherkaoui, Université de Sherbrooke, Canada

1569714465: Evolutionary Approach for Multi-objective Optimization of Wireless Mesh Networks, Pratip Chakraborty (University of Kaiserslautern, Germany); Christian Mannweiler (University of Kaiserslautern, Germany); Hans D. Schotten (University of Kaiserslautern, Germany)

1569714533: Delay Analysis of the Approximate Maximum Weight Scheduling in Wireless Networks, Cem Boyaci (University of Florida, USA); Ye Xia (University of Florida, USA)

1569719103: CIPRA: Coherence-Aware Channel Indication and Prediction for Rate Adaptation, Yongjiu Du (Southern Methodist University, USA); Pengda Huang (Southern Methodist University, USA); Dinesh Rajan (Southern Methodist University, USA); Joseph D. Camp (Southern Methodist University, USA)

1569719467: Reducing Complexity of GPS/INS Integration Scheme Through Neural Networks, Nasreddine Lagraa (Amar Thelidji University, Laghouat, Algeria); Abderrahmane Lakas (UAU, UAE); Mohamed Bachir Yagoubi (University of Laghouat, Algeria); Sara Benkouider (University of Laghouat, Algeria)

1569719697: A Distributed Broker System Enabling Coordinated Access Schemes in Autonomous Wireless Networks, Christian Mannweiler (University of Kaiserslautern, Germany); Joerg Schneider (University of Kaiserslautern, Germany); Andreas Klein (University of Kaiserslautern, Germany)
1569726721: Queuing model for EVs Charging at public supply stations, Dhaou Said (University of Sherbrooke, Canada); Soumaya Cherkaoui (Université de Sherbrooke, Canada); Lyes Khokhi (University of Technology of Troyes, France)

TM-3: Room: V
Session Title: Traffic Classification and Network Analysis (TRAC Workshop)
Session Chair: Christian Callegari, University of Pisa, Italy

1569713553: Mini-IPC: A Minimalist Approach for HTTP Traffic Classification using IP Addresses, Pedro Casas (Telecommunications Research Center Vienna (FTW), Austria); Pierdomenico Fiadino (Telecommunications Research Center Vienna (FTW), Austria)
1569714311: Low complexity, high performance neuro-fuzzy system for Internet traffic flows early classification, Antonello Rizzi (University of Rome "La Sapienza", Italy); Silvia Colabrese (University of Roma Sapienza, Italy); Andrea Baiocchi (University of Roma Sapienza, Italy)
1569711539: Optimizing Agent Placement for Flow Reconstruction of DDoS Attacks, Omer Demir (CityUniversity of Newyork, USA); Bilal Khan (John Jay College of Criminal Justice, City University of New York, USA); Ala Al-Fuqaha (Western Michigan University, USA); Ghassen Ben Brahim (PMU, Saudi Arabia)
1569714427: The (Betweenness) Centrality of Critical Nodes and Network Cores, Giorgio Ausiello (Sapienza University of Rome, Italy); Donatella Firmani (Sapienza University of Rome, Italy); Luigi Laura (Sapienza University of Rome, Italy)
1569722683: Realtime MicroCloud-based Flow Aggregation for Fixed and Mobile Networks, Luca Deri (NTOP, Italy); Francesco Fusco (ETH, Switzerland)

TM-4: Room: X
Session Title: Modeling and Optimization I (Wireless Sensor Networks Symposium)
Session Chair: Hossam Ahmed, Memorial University, Canada

1569700223: Distributed Real-time Optimization of Average Consensus, Haitao Yang (Swansea University, United Kingdom); Xinheng Wang (University of the West of Scotland, United Kingdom); Lin Bai (Beihang University, P.R. China)
1569705121: A Tripartite Graph Approach for Optimizing Sensor Placement Problem, Abid Sabrina (Oran University, Algeria)
1569710813: Network Throughput Maximization in Unreliable Sensor Networks with a Mobile Sink, Xu Xu (The Australian National University, Australia)
1569713063: Minimizing the Probability of Collision in Wireless Sensor Networks Using Cooperative Diversity and Optimal Power Allocation, Mohamed Hossam Ahmed (Memorial University, Canada); Fatemeh Mansourkiaie (Memorial University of Newfoundland, Canada); Yasser Gadallah (The American University in Cairo, Egypt)
1569714145: The optimal transmitting power in randomly deployed heterogeneous Wireless Sensor Networks for predetermined average node degree, Ghofrane Fersi (National School of Engineers of Sfax, Tunisia); Wassef Louati (High Institute of Computer Science and Multimedia of Mahdia, Tunisia); Maher Ben Jemaa (ReDCAD, Tunisia)

TM-5: Room: Y
Session Title: Wireless Security (Security Symposium)
Session Chair: Michele Luglio (University of Rome Tor Vergata, Italy)

1569704607: DVB-RCS Security Framework for ULE-Based Encapsulation, Ahmed Said Abdel Salam (University of Rome Tor Vergata, Italy); Michele Luglio (University of Rome Tor Vergata - Dip. Ing. Elettronica, Italy); Cesare Roseti (University of Rome "Tor Vergata", Italy); Francesco Zampognaro (University of Rome Tor Vergata, Italy)
1569713735: Seamless Authentication Across Heterogeneous Networks using Generic Bootstrapping Systems, Yousif Targali (InterDigital, USA); Yogendra Shah (InterDigital Communications Corp., USA); Vinod Choyi (Interdigital Communications Corp, USA)
1569714189: A Tight Estimation of the Security Gap over the Fast Fading Wiretap Channel, Marco Baldi (Università Politecnica delle Marche, Italy); Marco Bianchi (Università Politecnica delle Marche, Italy); Nicola Matur o (Università Politecnica delle Marche, Italy); Franco Chiaraluce (Università Politecnica delle Marche, Italy)
1569710793: Improving Physical-layer Security using APSK Constellations with Finite-alphabet Inputs, Ruifeng Ma (Tsinghua University, Beijing, P.R. China); Zhaocheng Wang (Tsinghua University, P.R. China); Zhixing Yang (Tsinghua University, P.R. China)
1569720039: E-SeRLoc: An Enhanced SeRLoc Localization Algorithm with Reduced Computational Complexity, Issam Mabrouki (University of Carthage, Tunisia); Abdelfettah Belghith (University of Manouba, Tunisia)

TM-6: Room: Z
Session Title: Design and Routing Protocols (Wireless Sensor Networks Symposium)
Session Chair: Ala Al-Fuqaha (Western Michigan University, USA)

1569703263: Routing Scheme for a Wireless Sensor Network Real-Time Locating System, Laurent Ciarletta (LORIA, France); Hugo Cruz-Sanchez (INRIA-LORIA, France); Priyadarsi Nanda (University of Technology Sydney, Australia); YeQiong Song (LORIA - Nancy University - INPL, France)

1569704287: ECTP: Enhanced Collection Tree Protocol for Practical Wireless Sensor Network Applications, Yasser Gadallah (The American University in Cairo, Egypt); Mohammed Elmorsy (Alberta University, Canada); Mohamed Ibrahim (Ain Shams University, Egypt); Hani Ragai (Einshams university, Egypt)

1569713431: An Energy Efficient Clique Based Clustering and Routing Mechanism in Wireless Sensor Networks, Kamanashis Biswas (Griffith University, Australia); Vallipuram Muthukkumarasamy (Griffith University, Australia); Elankayer Sithirasanen (Griffith University, Australia); Muhammad Usman (Griffith University, Australia)

1569714479: Energy Efficient Cross-Layer Routing Protocol in Wireless Sensor Networks Based on Fuzzy Logic, Driss Benhaddou (University of Houston, USA); Toleen Jaradat (University of Houston, USA); Manikanden Balakrishnan (New Mexico State University, USA); Ala Al-Fuqaha (Western Michigan University, USA)

1569714537: H-DHAC: A Hybrid Clustering Protocol for Wireless Sensor Networks, Jiang Zhu (Carleton University, Canada); Chung-Hong Lung (Carleton University, Canada); Vineet Srivastava (Cistech Limited, Canada)

TM-7: Room: Alfa
Session Title: MANET I (Wireless Networking Symposium)
Session Chair: Abdallah Shami, Western University London, Canada

1569701371: Simulative Analysis of Saturation Condition in a Pedestrian Ad-hoc Network, Andrea Gorrieri (Dept. of Information Engineering University of Parma, Italy); Gianluigi Ferrari (University of Parma, Italy)

1569703669: Analysis and Experimental Evaluation of Rate Adaptation with Transmit Buffer Information, Yongjiu Du (Southern Methodist University, USA); Dinesh Rajan (Southern Methodist University, USA); Joseph D. Camp (Southern Methodist University, USA)

1569707749: A Route Control Method Based on Cross Layer Approach Between Physical and Media Access Control Layer, Kenko Ota (Nippon Institute of Technology, Japan); Yoshihiro Kainuma (Tokyo University of Science, Suwa, Japan); Kohei Miyasaka (Tokyo University of Science, Suwa, Japan); Makoto Sugita (Tokyo University of Science, Suwa, Japan); Hideaki Matsue (Tokyo University of Science, Japan)

1569713711: DataMonitor - A Formal approach for passively Testing a MANET routing protocol, Felipe Lalanne (Telecom Institute/Telecom & Management SudParis, France); Stephane Maag (Telecom Institute/Telecom SudParis, France)

1569756187: A Resource Scheduling Model for Cloud Computing Data centers, Mohamed Abu Sharkh, Abdelkader Ouda, and Abdallah Shami (Western University London, Canada)

1569713731: Simultaneous mobility management in the HIP-based M2M overlay Network, Amine Dhraief (University of Manouba, Tunisia); Mohamed Ghorbali (HANA Research Group, Tunisia); Tarak Bouali (HANA Resaerch Group, University of Manouba, Tunisia); Abdelfettah Belghith (University of Manouba, Tunisia); Khalil Drira (LAAS-CNRS, France)

LUNCH BREAK (12:00 – 13:30)

Tuesday Afternoon Sessions (TA)—(13:30-15:30)

TA-1: Room: MAGNA
Session Title: General
Session Chair: Tamer ElBatt, Cairo University, Egypt

1569737175: On the Flow Anonymity Problem in Network Coding, Ahmed Fathy Atya (University of California, Riverside, USA); Tamer ElBatt (Faculty of Engineering, Cairo University, Egypt); Moustafa Youssef (Egypt-Japan University of Science and Technology (EJUST), USA)

1569737891: Performance Evaluation for Compression-Accuracy trade-off using Compressive Sensing for EEG-based Epileptic Seizure Detection in Wireless Tele-monitoring, Khalid A Abualsaud (Qatar University, Qatar); Massudi Mahmuddin (Universiti Utara Malaysia, Malaysia); Amr Mohamed (Qatar University, Qatar); Ramy Hussein (Alexandria University, Egypt)

1569734485: Analytical Study of Frame Aggregation in Error-prone Channels, Hajlaoui Nasreddine (University of Gabes, Tunisia); Issam Jabri (Ecole Nationale d'Ingénieurs de Gabès, Tunisia); Maher Benjemaa (ENIS, Tunisia)

1569735259: Context-aware Handoff Selection Algorithm in Femtocell Networks, Aicha Salem (SUPCOM, Tunisia); Kaouthar Sethom (SUPCOM/ESTI, France)

1569737079: Minimum Transmission Power Design for Diffusion Adaptive Network with Imperfect Channels, Wael M.

Bazzi (American University in Dubai, UAE); Azam Khalili (Malayer University, Iran); Amir Rastegarnia (Malayer University, Iran)

1569741473: Flying Against Lossy Light-Load Hybrid Networks, Kai Pan (Peking University Shenzhen Graduate School, P.R. China); Li Hui (Shenzhen Graduate School, Peking University, P.R. China); Shuo-Yen Robert Li (The Chinese University of Hong Kong, Hong Kong)

TA-2: Room: BETA
Session Title: LTE II (Wireless Networking Symposium)
Session Chair: Mahasweta Sarkar, San Diego State University, USA

1569711329: Throughput Performance Insights of LTE Release 8: Malaysia's Perspective, Abdulaziz Mohammed Ghaleb (MIMOS Berhad, Malaysia); David Chieng (MIMOS, Malaysia); Alvin Ting (MIMOS, Malaysia); Kim Chuan Lim (Universiti of Teknikal Malaysia Melaka, Malaysia); Heng Siong Lim (Multimedia University, Malaysia); Ayad Atiyah Abdulkafi (Universiti Tenaga Nasional (UNITEN), Malaysia)

1569712781: Comparing Different LTE Scheduling Schemes, Salman A AIQahtani (King Saud University, Saudi Arabia)

1569713387: Achieving Energy Efficiency in LTE with Joint D2D Communications and Green Networking Techniques, Elias Yaacoub (Qatar Mobility Innovations Center (QMIC), Qatar); Hakim Ghazzai (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Mohamed-Slim Alouini (King Abdullah University of Science and Technology (KAUST), Saudi Arabia); Adnan Abu-Dayya (QMIC, Qatar)

1569714475: Predicting Burst Error Statistics of Digital Wireless Systems with HARQ, Omar Salih (Heriot-Watt University, United Kingdom); Chengxiang Wang (Heriot-Watt University, United Kingdom); Raed Mesleh (University of Tabuk, Saudi Arabia); Ge Xiaohu (Huazhong University of Science & Technology, P.R. China); Dongfeng Yuan (Shandong University, P.R. China)

1569717547: QoS and Protection of Relay Nodes in 4G Wireless Networks Using Network Coding, Perumalraja Rengaraju (Carleton University, Canada); Chung-Hong Lung (Carleton University, Canada); Anand Srinivasan (Carleton University, Canada)

1569713759: Auction Based Resource Allocation in WiMAX, Sahana Pillappaiah (San Diego State University, USA); Mahasweta Sarkar (San Diego State University, USA); Santosh V Nagaraj (San Diego State University, USA); Christopher Paolini (San Diego State University, USA)

TA-3: Room: V
Session Title: WLAN I (Wireless Networking Symposium)
Session Chair: Salvatore Marano, University of Calabria, Italy

1569704799: A Distributed Hand-over Management and Pattern Prediction Algorithm for Wireless Networks With Mobile Hosts, Peppino Fazio (University of Calabria, Italy); Mauro Tropea (University of Calabria, Italy); Salvatore Marano (University of Calabria, Italy)

1569711495: Performance Analysis of Multiple Classes of Traffic in Wi-Fi Networks: A Markov Chain-Based Approach, Sajib Datta (University of Texas at Arlington, USA); Sajal K. Das (University of Texas at Arlington, USA)

1569711679: A Competitive AL-FEC Framework over Mobile Multicast Delivery, Christos Bouras (University of Patras and RACTI, Greece); Nikolaos Kanakis (University of Patras, Greece)

1569712219: An Energy-efficient Message Scheduling Algorithm in Internet of Things Environment, Saima Abdullah (University of Essex, UK., United Kingdom); Kun Yang (University of Essex, United Kingdom)

1569713227: Optimal Resource Sharing in Multi-Cell Wireless LANs: a joint Channel Assignment, Association Control, Airtime Sharing and Contention Resolution Approach, Jun Zhang (The Hong Kong University of Science and Technology, Hong Kong); Jason Min Wang (The Hong Kong University of Science and Technology, Hong Kong); Brahim Bensaou (The Hong Kong University of Science and Technology, Hong Kong)

TA-4: Room: X
Session Title: Mobile Development & Offloading (Mobile Computing Symposium)
Session Chair: Tamer Nadeem, Old Dominion University, USA

1569706305: Survey, Comparison and Evaluation of Cross Platform Mobile Application Development Tools, Isabelle Dalmasso, Soumya Kanti Datta, Christian Bonnet, Navid Nikaein (Eurecom, France)

1569713505: Smartphone Energizer: Extending Smartphone's Battery Life with Smart Offloading, Ayat Khairy, Reem Bahgat (Cairo University, Egypt), Hany Ammar (West Virginia Univ., USA)

1569721909: Nesto - Network Selection and Traffic Offloading System For Android Mobile Devices, Ariel Bar, Dudu Mimran, Lena Chekina, Yuval Elovici, Bracha Shapira (Ben-Gurion University of the Negev, Israel)

1569713999: Efficient ANDSF-assisted Wi-Fi Control for Mobile Data Offloading, Dae Sun Kim (KDDI R&D Labs, Korea)

1569705025: A Hybrid Approach with Collaborative Filtering for Recommender Systems, Gilbert Badaro, Hazem

Hajj, Wassim El-Hajj (American University of Beirut, Lebanon), Lama Nachman (Intel Corporation, USA)

TA-5: Room: Y

Session Title: Cooperative Networks (Cognitive and Cooperative Networks Workshop)

Session Chair: Vojislav Mistic, Ryerson University, Canada

1569699559: ARQ-Based Scheme for coded wireless cooperative communications, Ahmad S. Salim (Arizona State University, USA); Hussain Ali (King Fahd University of Petroleum and Minerals, Saudi Arabia); Maan Kousa (King Fahd University of Petroleum & Minerals, Saudi Arabia)

1569704401: An Cooperation Incentive Scheme Based on Coalitional Game Theory for Sparse and Dense VANETs, Di Wu (Dalian University of Technology, P.R. China); Yanrong Gao (Dalian University of Technology, P.R. China); Guozhen Tan (Dalian University of Technology, P.R. China); Limin Sun (Institute of software, chinese academy of sciences, P.R. China); Jie Liang (Simon Fraser University, Canada); Jiangchuan Liu (Simon Fraser University, Canada)

1569707683: Wireless Cooperative Communication With Incomplete Interference Cancellation and Lightweight Synchronization, Junquan Deng (National University of Defense Technology, P.R. China); Shaoh Lv (National University of Defense Technology, P.R. China); Xuan Dong (National University of Defence Technology, P.R. China); Hu Shen (National University of Defense Technology, P.R. China); Xiaodong Wang (National University of Defence Technology, P.R. China); XingMing Zhou (School of Computer, National University of Defense Technology, P.R. China)

1569712651: Enhanced Rank Based Cooperative Game (ERBCG) Strategy for IEEE 802.11s Mesh WLAN Power Management, Yasmine Morad El-sabe (German University in Cairo, Egypt); Mohamed Esam (German University in Cairo, Egypt); Mohamed Ashour (GUC, Egypt)

1569713021: Energy and throughput efficient transmission strategy with Cooperative Transmission in ad-hoc Networks, Hicham Slimani; Benoit Escrig; Riadh Dhaou; André-Luc Beylot (University of Toulouse, France)

1569713617: Multi-criteria Cooperative Energy-aware Routing in Wireless Ad-Hoc Networks, Elias Grabalos (University of Patras, Greece); Emmanouel Varvarigos (University of Patras & Computer Technology Institute, Greece); Panagiotis Kokkinos (University of Patras, Greece)

1569713895: A Cooperative Network Coding Approach to Reliable Wireless Body Area Networks with Demodulate-and-Forward, Samaneh Movassaghi (University of Technology, Sydney, Australia); Mahyar Shirvanimoghaddam (University of Sydney, Australia); Mehran Abolhasan (University of Technology Sydney, Australia)

TA-6: Room: Z

Session Title: MAC and Design Techniques (Wireless Sensor Networks Symposium)

Session Chair: Wenying Zheng, University of Windsor, Canada

1569714565: Reliable and Energy Efficient Cooperative Relaying Scheme (REECR) in Wireless Sensor Networks, Kazi Atiqur Rahman (University of Windsor, Canada); Kemal Tepe; Wenying Zheng (University of Windsor, Canada)

1569717869: Performance Evaluations of unslotted CSMA/CA Algorithm at High Data Rate WSNs Scenario, Nanhao Zhu (Université de Lyon, Institut des Nanotechnologies de Lyon (INL), France); Ian O'Connor (Lyon Institute of NanoTechnology, France)

1569704137: Low-Latency Asynchronous Duty-Cycle MAC Protocol for Burst Traffic in Wireless Sensor Networks, Hongwei Tang (National University of Defense Technology, P.R. China); Caixia Sun (National University of Defense Technology, P.R. China)

1569712593: Distributed and Stable Energy-Efficient Scheduling Algorithm For Coverage In Wireless Sensor Networks, Chenait Manel (USTHB, Algeria); Bahia Zebbane (University of Science and Technology Houari Boumediene (USTHB), Algeria); Nadjib Badache (University of Sciences and Technology Houari Boumediene (USTHB), Algeria)

1569720595: Duo-MAC: Energy and Time Constrained Data Delivery MAC Protocol in Wireless Sensor Networks, Messaoud Doudou (Centre de Recherche sur l'Information Scientifique et Technique (CERIST), Algeria); Mohammad Alaei (Universitat Politècnica de Catalunya (UPC), Spain); Djamel Djenouri (Centre de Recherche sur l'Information Scientifique et Technique (CERIST), Algiers, Algeria); Jose M. Barcelo-Ordinas (Universitat Politècnica de Catalunya (UPC), Spain); Nadjib Badache (Centre de Recherche sur l'Information Scientifique et Technique (CERIST), Algeria)

TA-7: Room: Alfa

Session Title: General Symposium I

Session Chair: Jelena Mistic, Ryerson University, Canada

1569703275: Performance optimization of the BitTorrent protocol in the framework of P4P IETF ALTO, Leonardo Bruni (Politecnico di Milano, Italy); Paolo Giacomazzi (Politecnico di Milano, Italy); Alessandro Poli (Politecnico di Milano, Italy)

1569701585: Analytical Model for IEEE 802.11e EDCA with Non-Saturated Stations, Chongyang Huang (Chiba University, Japan); Shigeo Shioda (Chiba University, Japan)

1569711321: Kernel Level Energy-Efficient 3G Background Traffic Shaper for Android Smartphones, Ekhiotz Jon

Vergara (Linköping University, Sweden); Joseba Sanjuan (Linköping University, Spain); Simin Nadjm-Tehrani (Linköping University, Sweden)

1569711523: WiTracer: A Novel Solution to Improve TCP Performance over Wireless Network, Chaoxin Hu (Fuji Xerox Co., Ltd., P.R. China); Xinyu Yang (Xi'an Jiaotong University, P.R. China); Manli Fan (Xi'an Jiaotong University, P.R. China); Peng Zhao (Xi'an Jiaotong University, P.R. China)

1569711857: Outage Probability of Multihop Relay Networks, Bappi Barua (University of Technology Sydney, Australia); Mehran Abolhasan (University of Technology Sydney, Australia); Daniel R Franklin (University of Technology, Sydney, Australia); Farzad Safaei (ICT Research Institute, University of Wollongong, Australia)

1569712717: A Model for Bursty PU Channel and Its Impact on the Study of Cognitive Radio Networks, Sofia C. Alvarenga Chu (University of Manitoba, Canada); Attahiru S. Alfa (University of Manitoba, Canada); Jun Cai (University of Manitoba, Canada)

1569703757: Social Interaction Increases Capacity of Wireless Networks, K. Kiskani; H. Sadjadpour (University of California, Santa Cruz, USA); M. Guizani (QU, USA)

COFFEE BREAK (15:30-16:00)

Tuesday Afternoon Sessions (TA)—(16:00-18:00)

TA-7: Room: MAGNA

Session Title: Cellular Networks (Wireless Networking Symposium)

Session Chair: Wassim El-Hajj, American University of Beirut, Lebanon

1569704461: Adaptive Mobility Management in Cellular Networks with Multiple Model-based Prediction, Satoshi Ikeda (NEC Corporation, Japan); Nobuharu Kami (NEC Corporation, Japan); Takashi Yoshikawa (NEC Corporation, Japan)

1569713675: Directional Share and Ranking Based Neighboring Cell List Optimization Algorithm in UMTS Cellular Network, Ramy Atawia (German University in Cairo, Egypt); Mariam El Azab (German University in Cairo (GUC), Egypt); Tallal Elshabrawy (The German University in Cairo, Egypt); Mohamed Ashour (GUC, Egypt)

1569714485: Extending Generalized Processor Sharing for Multi-Operator Scheduling in Cellular Networks, Stefan Valentin (Bell Labs, Germany); Wahid Jamil (University of Applied Sciences Darmstadt, Germany); Osman Aydin (Alcatel-Lucent, Germany)

1569719175: Novel Frequency Reusing Scheme for Interference Mitigation in D2D Uplink Underlaying Networks, Pengcheng Bao (Zhejiang University, P.R. China); Guanding Yu (Zhejiang University, P.R. China); Rui Yin (Zhejiang University, P.R. China)

1569728473: Mobile Short Data Services as a Carrier for Message Communications, Juho Maatta (Aalto University, Finland); Risto Jarvinen (Aalto University, Finland); Riku Luostarinen (Aalto University, Finland); Lauri Liuhto (Aalto University, Finland); Taneli Taira (Aalto University, Finland); Jukka Manner (Aalto University, Finland)

TA-8: Room: BETA

Session Title: QoS and QoE

Session Chair: Abderrezak Rachedi, University Paris-Est Marne-la-Vallée, France

1569701227: Modeling and Analysis of QoS Class Mapping for Hybrid QoS Domains Using Flow Aggregate, Wang Zaijian (Nanjing University of Posts and Telecommunications, P.R. China); Yu-ning Dong (Nanjing University of Posts and Telecommunications, P.R. China); Hai-xian Shi (Nanjing Agricultural University, P.R. China); Zhang Hui (Nanjing University of Posts and Telecommunications, Nanjing, P.R. China)

1569704625: Efficient Network Coding packet selection model for QoS-based applications, Samih Abdul-Nabi (Lebanese International University (LIU), Lebanon); Ayman Khalil (Institute of Electronics and Telecommunications of Rennes - IETR, France); Jean-François H elard (IETR, France)

1569713703: Lookback Scheduling for Long-Term Quality-of-Service Over Multiple Cells, Hatem Abou-zeid (Queen's University, Canada); Hossam S. Hassanein (Queen's University, Canada); Stefan Valentin (Bell Labs, Germany); Mohamed F. Feteiha (Queens University, Canada)

1569714527: Network Coding and Quality of Service for Mobile Ad-hoc Networks, Michael Hay (Carleton University, Canada); Basil Saeed (Carleton University, Canada); Chung-Hong Lung (Carleton University, Canada); Thomas Kunz (Carleton University, Canada); Anand Srinivasan (Carleton University, Canada)

1569720461: Energy-Efficient Sleep Scheduling with QoS Considerations in 3GPP LTE-Advanced Networks, Jia-Ming Liang (National Chiao Tung University, Taiwan); Jen-Jee Chen (National University of Tainan, Taiwan); Hung-Hsin Cheng (Department of Computer Science, National Chiao-Tung University, Taiwan); Yu-Chee Tseng (National Chiao-Tung University, Taiwan)

1569728935: Scheduling Algorithms in Mobile WiMAX for rtPS QoS Class, Ahmed Mohamed Medhat Hassan (German University in Cairo (GUC), Egypt); Mohamed Ashour (GUC, Egypt)

1569734429: Is mapping between QoE and QoS parameters Sufficient for video quality assessment?, Hajer Gahbiche (High School of computer science and communications technics, Tunisia)
1569735359: A Survey on Communication Infrastructure in Micro-grids, Salman Safdar (Oregon State University, USA); Bechir Hamdaoui (Oregon State University, USA); Eduardo Cotilla-Sanchez (Oregon State University, USA); Mohsen Guizani (QU, USA)

TA-9: Room: V
Session Title: Communication Systems I (Comm. and Signal Processing Symposium)
Session Chair: Mahasweta Sarkar (San Diego State University, USA)

1569711421: Closed-form Expression for Bit Error Rate in Relay-Based Cooperative Diversity Systems over Multipath Fading Channels with Interference, Mamoun F. Al-Mistarihi (Jordan University of Science and Technology, Jordan); Amer M Magableh (Jordan University of Science and Technology, Jordan); Rami Mohaisen (Jordan University of Science and Technology, Jordan)

1569712809: Cell Zooming for Power Efficient Base Station Operation, Santosh V Nagaraj (San Diego State University, USA); Mahasweta Sarkar (San Diego State University, USA); Ramapriya Balasubramaniam (San Diego State University, USA); Paras Khaitan (IIT Kharagpur, India); Christopher Paolini (San Diego State University, USA)

1569713115: Blind Phase Estimation Algorithm for Trellis Coded Modulation over Both AWGN and Rayleigh Flat Fading Channels, Emna Ben SLIMANE (National School of Engineers of Tunis, Tunisia); Slaheddine Jarbouli (National School of Engineers of Tunis, Tunisia)

1569713767: Precoder Design for a Single-Relay Non-Orthogonal AF System based on Mutual Information, Tamseel Syed (University of Akron, USA); Nghi H Tran (University of Akron, USA); Tuyen Tran (University of Akron, USA); Zhu Han (University of Houston, USA)

1569715167: Tradeoff Between Network Energy Consumption and Terminal Energy Consumption via Small Cell Power Control, Qimei Chen (Zhejiang University, P.R. China); Guanding Yu (Zhejiang University, P.R. China); Yuhuan Jiang (Zhejiang University, P.R. China); Aiping Huang (Zhejiang University, P.R. China)

TA-10: Room: X
Session Title: Environmental Issues
Session Chair: Hacene Fouchal, Université de Reims Champagne-Ardenne, France

1569713561: Transitive approach for topology control in Wireless Sensor Networks, Karim Bessaoud (Université de Versailles Saint Quentin en Yvelines, France); Alain Bui (Université de Versailles St-Quentin-en-Yvelines, France); Laurence Pilard (UVSQ, France)

1569713653: EA-TPGF: Energy Aware Geographical routing protocol for Wireless Multimedia Sensor Networks, Ismail Bennis (University of Mohamed V, Morocco); Ouadoudi Zytoune (Ibn Tofail University, Morocco); Driss Aboutajdine (GSCM_LRIT Mohammed V-agdal University, Morocco)

1569714063: Worst-Case Models of Electromagnetic Background Created by the Radiation of Cellular Base Stations, Mordachev Vladimir (Belarusian State University of Informatics and Radioelectronics, Belarus)

1569714073: Air Quality Monitoring and Analysis in Qatar using a Wireless Sensor Network Deployment, Elias Yaacoub (Qatar Mobility Innovations Center (QMIC), Qatar); Abdullah Kadri (Qatar Mobility Innovations Center, Qatar); Mohammed Mushtaha (Qatar University, Qatar); Adnan Abu-Dayya (QMIC, Qatar)

TA-11: Room: Y
Session Title: Cognitive and WSN (Wireless Networks Symposium)
Session Chair: Floriano De Rango, University of Calabria, Italy

1569714275: STEM-Mesh: Self-Organizing Mobile Cognitive Radio Network for Disaster Recovery Operations, Marco Di Felice (University of Bologna, Italy); Angelo Trotta (University of Bologna, Italy); Luca Bedogni (University of Bologna, Italy); Luciano Bononi (University of Bologna, Italy); Fabio Panzieri (University of Bologna, Italy); Giuseppe Ruggeri (University of Reggio Calabria, Italy); Valeria Loscri (University of Calabria, Italy); Pasquale Pace (University of Calabria, Italy)

1569719479: Opportunistic Interference Cancellation Evaluation in Cognitive Radios under Power Control Strategies, Ferdinando Suriano (University of Calabria, Italy); Floriano De Rango (University of Calabria, Italy); Petar Popovski (Aalborg University, Denmark)

1569727179: Cognitive Extensions to Existing Wireless Technology, William Barnes (University of Oklahoma, USA); Asaad Kaadan (University of Oklahoma, USA); Samer Rajab (University of Oklahoma, USA); Hazem Refai (Oklahoma University, USA)

1569705191: Localization Procedure for Randomly Deployed WSNs based on the Composability of Position Estimation Protocols, Luis Sanabria-Russo (Universitat Pompeu Fabra, Spain); Cristina Cano (Hamilton Institute, Ireland); Boris Bellalta (Universitat Pompeu Fabra, Spain)

1569714227: Reducing Traffic Congestion in ZigBee Networks: Experimental Results, Luca Secci (University of Bologna,

Italy); Chiara Buratti (University of Bologna, Italy)

TA-12: Room: Z

Session Title: Cloud-Assisted Mobile Computing and Pervasive Services

Session Chair: Sghaier Guizani, Alfaisal University, SA

1569702757: TCP Noordwijk+: An upgrade for a cost-effective cloud computing via satellite, Michele Luglio (University of Rome Tor Vergata - Dip. Ing. Elettronica, Italy); Cesare Roseti (University of Rome "Tor Vergata", Italy); Francesco Zampognaro (University of Rome Tor Vergata, Italy)

1569714677: Intelligent Home-Appliance Recognition over IoT Cloud Network, Shih-Yeh Chen (National Cheng Kung University, Taiwan); Yueh-Min Huang (National Cheng Kung University, Taiwan); Chin-Feng Lai (National Ilan University, Taiwan)

1569727617: Service Models and Applications of Mobile Cloud Computing, Jiafu Wan (College of Information Engineering, Guangdong Jidian Polytechnic, P.R. China)

1569728233: CAMSPF: Cloud-Assisted Mobile Service Provision Framework Supporting Personalized User Demands in Pervasive Computing Environment, Bin Pan (Yonsei University, Korea)

1569728439: Security and Privacy in Mobile Cloud Computing, Hui Suo (College of Information Engineering Guangdong Jidian Polytechnic, P.R. China)

1569730289: Challenges and Opportunities of Mobile Cloud Computing, Mojtaba Alizadeh (Universiti Teknologi Malaysia, Malaysia); Wan Hassan (Universiti Teknologi Malaysia, Malaysia); Nobuhiko Kobayashi (Universiti Teknologi Malaysia, Malaysia)

1569735775: The Quest for Location-Privacy in Opportunistic Mobile Social Networks, Abderrahim Benslimane (University of Avignon, France); Milena Radenkovic (University of Nottingham, United Kingdom); Sameh Zakhary (University of Nottingham, United Kingdom)

1569713959: Development of a Virtual Butterfly Ecological System Based on Augmented Reality and Mobile Learning Technologies, Wernhuar Tarng (Graduate Institute of Computer Science, National Hsinchu University of Education, Taiwan); Hsin-Hun Liou (National Central University, Taiwan); Fong-Lu Liou (National Hsinchu University of Education, Taiwan); Chuan-Sheng Yu (National Hsinchu University of Education, Taiwan)

FREE NIGHT OUT (on your own)

Technical Program of IEEE IWCMC 2013
Cagliari, Sardinia, Italy, July 1—5, 2013
Wednesday, July 3, 2013

Registration: (8:00-15:00)

Room: Open Hall

KEYNOTE 2 (9:00-10:00)

Room: MAGNA

Speaker: Robert Schober, University of British Columbia, Canada

Title: How much can we gain by exploiting buffers in wireless relay networks?

Chair: Mario Gerla, UCLA, USA

COFFE BREAK (10:00 – 10:30)

Wednesday Morning Sessions (WM)—(10:30-12:30)

WM-1: Room: MAGNA

Session Title: INVITED PAPERS

Session Chair: Mario Gerla, UCLA, USA

1569738457: Statistical Analysis of Non Orthogonal Spectrum Sharing and Scheduling Strategies in Next Generation Mobile Networks, Francesco Guidolin (Università degli studi di Padova, Italy); Antonino Orsino (Consorzio Ferrara Ricerche, Italy); Leonardo Badia (Università degli Studi di Padova, Italy); Michele Zorzi (University of Padova, Italy)

1569738551: MADN - Multipath Ad-hoc Data Network Prototype and Experiments, Fabio Angius (University of California, Los Angeles, USA); Mario Gerla (UCLA, USA); Giovanni Pau (UCLA, USA); Aditya Bhiday (UCLA, USA)

1569739921: Fast Audio Fingerprint Comparison for Real-Time TV-Channel Recognition Applications, Igor Bisio (University of Genoa, Italy); Alessandro Delfino (University of Genoa, Italy); Fabio Lavagetto (University of Genoa, Italy); Mario Marchese (DIST- University of Genoa, Italy); Cristina Frà (Telecom Italia, Italy); Massimo Valla (Telecom Italia, Italy)

1569741183: Compressive Sensing Based Vehicle Information Recovery in Vehicular Networks, Waleed Alasmay (University of Toronto, Canada); Shahrokh Valaee (University of Toronto, Canada)

1569743851: WINSOME: a Middleware Platform for the Provision of Secure Monitoring Services over Wireless Sensor Networks, Luigi Pomante (Università degli Studi dell'Aquila, Italy); Marco Pugliese (University of L'Aquila, Italy); Stefano Marchesani (Università degli Studi dell'Aquila, Italy); Fortunato Santucci (University of l'Aquila, Italy)

1569757001: SALT: Sensing enAbled Localization and Tracking for Geolocation Database in TV White Space, L. Chen, T. Zhang, D. H. Tsang (HKUST, Hong Kong)

WM-2: Room: BETA

Session Title: Satellite and DTN (Wireless Networking Symposium)

Session Chair: Mauro Tropea, University of Calabria, Italy

1569704123: Interest-driven Forwarding for Delay-tolerant Mobile Ad Hoc Networks, Elena Pagani (University of Milano, Italy); Gian Paolo Rossi (University of Milano, Italy)

1569712471: Queue Maximum Proportional Fair Scheduling for Saturated and Non-Saturated Regimes, Hicham Anouar (Thales Communications and Security, France)

1569719617: Enhancements of Epidemic Routing in Delay Tolerant Networks from an Energy Perspective, Floriano De Rango (University of Calabria, Italy); Salvatore Amelio (University of Calabria, Italy); Peppino Fazio (University of Calabria, Italy)

1569704793: DVB-RCS Satellite Channel Modeling Based on Markovian Theory and Quality Degree, Mauro Tropea (University of Calabria, Italy); Peppino Fazio (University of Calabria, Italy); Fiore Veltri (University of Calabria, Italy); Salvatore Marano (University of Calabria, Italy)

1569705407: A Divide and Conquer Approach for Efficient Bandwidth Allocation in Next Generation Satellite-Routed Sensor System (SRSS), Yuichi Kawamoto (Tohoku University, Japan); Hiroki Nishiyama (Tohoku University, Japan); Nei Kato (Tohoku University, Japan); Shinichi Yamamoto (National Institute of Information and Communications Technology,

Japan); Naoko Yoshimura (National Institute of Information and Communications Technology, Japan); Naoto Kadowaki (National Institute of Information and Communications Technology, Japan)

WM-3: Room: V

Session Title: WSN and Other Networks (Wireless Sensor Networks Symposium)

Session Chair: Jalal Almhana, University of Moncton, Canada

1569714419: Reciprocal Public Sensing for Integrated RFID-Sensor Networks, Fadi M. Al-Turjman (Queen's University, Canada); Ashraf E. Al-Fagih (Queen's University, Canada); Waleed Alsalihi (King Saud University, Saudi Arabia); Hossam S. Hassanein (Queen's University, Canada)

1569702863: Adaptive Traffic Light Control Using VANET: A Case Study, Sylvere Kwatirayo (University de Moncton, Canada); Jalal Almhana (Universite de Moncton, Canada); Zikuan Liu (Universite de Moncton, Canada)

1569706665: A Triple-Band WLAN Antenna, Alessandro Fanti (University of Cagliari, Italy); Paolo Maxia (University of Cagliari, Italy); Claudia Musu (University of Cagliari, Italy) WSN

1569706687: A Wire Antenna for Broadband WLAN and Wi-Fi Applications, Paolo Maxia (University of Cagliari, Italy); Alessandro Fanti (University of Cagliari, Italy); Claudia Musu (University of Cagliari, Italy)

1569713723: Adaptation of an Active RFID Technology for Low Power Wireless Sensor Networks, Ivo Dufek (Brno University of Technology, Czech Republic)

1569713771: Interaction of Clustering Period and Event Sensing Reliability in IEEE 802.15.4 Based WSNs, Hamidreza Tavakoli (Iran University of Science and Technology, Iran); Jelena Misic (Ryerson University, Canada); Majid Naderi (IUST, Iran); Vojislav B. Misic (Ryerson University, Canada)

WM-4: Room: X

Session Title: Green Communications and Networking

Session Chair: Hans-Juergen Zepernick, Blekinge Institute of Technology, Sweden

1569701021: Outage Analysis of Cognitive Relay Networks over α - μ Fading Channels, Charles Kabiri (Blekinge Institute of Technology, Sweden); Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden); Hung Tran (Blekinge Institute of Technology, Sweden)

1569701653: Outage Probability and Ergodic Capacity of Underlay Cognitive Radio Systems with Adaptive Power Transmission, Charles Kabiri (Blekinge Institute of Technology, Sweden); Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden); Hung Tran (Blekinge Institute of Technology, Sweden)

1569705017: Packet Transmission Time for Cognitive Radio Networks Considering Interference from Primary User, Louis Sibomana (Blekinge Institute of Technology, Sweden); Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden); Hung Tran (Blekinge Institute of Technology, Sweden); Charles Kabiri (Blekinge Institute of Technology, Sweden)

1569714255: Performance Evaluation of Energy Efficient Policies for Ethernet Switches, Beatrice Paillassa (ENSEE IHT, France); Riadh Dhaou (IRIT/ENSEE IHT, University of Toulouse, France); Gentian Jakllari (University of Toulouse, France); Thaenchakun Chakadkit (ENSEE IHT, France)

1569727653: Fault Tolerant routing Algorithms for Hyper-de Bruijn Networks, Ngoc Chi Nguyen (Ho Chi Minh City University of Technology, Vietnam)

WM-5: Room: Y

Session Title: LTE I (Wireless Networking Symposium)

Session Chair: Hassan Mahasneh, University of Calgary, Canada

1569679365: The Directional Relay (DR) Scheme-Aided LTE-A Communication Systems, Hassan Mahasneh (University of Calgary, Canada); Abu B Sesay (University of Calgary, Canada)

1569704023: Adaptive Random Access Preamble Split in LTE, Daehee Kim (University of Korea, Korea)

1569707115: Multi-Layer Cell Deployment Strategy for Self-Organizing LTE-Advanced Networks, Mohammadreza Behjati (Brunel University London, United Kingdom); John Cosmas (Brunel University, United Kingdom)

1569707567: Utility-Based Resource Allocation in LTE-Advanced Heterogeneous Networks, Mohammed Al-Rawi (Ericsson, Finland); Meryem Simsek (University of Duisburg-Essen, Germany); Riku Jantti (Aalto University School of Electrical Engineering, Finland)

1569707971: Improved handover mechanisms to reduce packet forwarding in LTE-Advanced, Parth Amin (Aalto University, Finland); Antti Yla-Jaaski (Aalto University, Finland)

WM-6: Room: Z
Session Title: WLAN II (Wireless Networking Symposium)
Session Chair: Leonardo Bruni, Politecnico di Milano, Italy

1569713231: Joint Association Control, Airtime Sharing and Contention Resolution in multi-cell WLANs with Directional Antennas, Jun Zhang (The Hong Kong University of Science and Technology, Hong Kong); Jason Min Wang (The Hong Kong University of Science and Technology, Hong Kong); Brahim Bensaou (The Hong Kong University of Science and Technology, Hong Kong)

1569713763: On the Stability of Asynchronous Random Access Schemes, Alessio Meloni (University of Cagliari, Italy); Maurizio Murrone (University of Cagliari, Italy)

1569713847: Cross-Layer Queuing Control in Mobile Router for Power Saving, Masakatsu Ogawa (Sophia University, Japan)

1569714487: A Quorum-Based Multi-Channel MAC Protocol for Wireless Ad Hoc Networks, Chih-Yung Chang (Tamkang University, Taiwan); Li-Ling Hung (Aletheia University, Taiwan); Chao-Tsun Chang (Hsiuping University of Science and Technology, Taiwan); Tzu-Lin Wang (Tamkang University, Taiwan); Tzu-Chia Wang (Tamkang University, Taiwan)

1569714543: DGA: Distributed Genetic Algorithm Based Relay Assignment in Cooperative Communication, Ruijian An (National Institute of Informatics, Japan); Yusheng Ji (National Institute of Informatics, Japan)

1569720589: Experimental Analysis of VHO-enabled Mobile Application for Data Offloading in Heterogeneous Wireless Networks, Marco Picone, Giovanni Spigoni (University of Parma, Italy), Stefano Busanelli, Nicola Iotti (Guglielmo srl, Italy), Gianluigi Ferrari (University of Parma, Italy)

LUNCH BREAK (12:00 – 13:30)

Wednesday Afternoon Sessions (WA)—(13:30-15:30)

WA-1: Room: MAGNA
Session Title: OFDM (Comm. And Signal Processing Symposium)
Session Chair: Haikal Al Abed, GIZ, Germany

1569712291: Adaptive Compressive Sensing Based Channel Estimation for TDS-OFDM Systems, Xudong Zhu (Tsinghua University, P.R. China); Jintao Wang (Tsinghua University, P.R. China); Zhaocheng Wang (Tsinghua University, P.R. China)

1569713425: Adaptive Sparse Channel Estimation for Time-Variant MIMO-OFDM Systems, Guan Gui (Tohoku University, Japan); Fumiyuki Adachi (Tohoku University, Japan)

1569713683: Performance of Fast Frequency Hopping OFDM Under Doppler Spread, Ahmet Oturak (Bulent Ecevit University, Turkey); Ertan Ozturk (Zonguldak Karaelmas University, Turkey)

1569713743: Optimizing User Throughput with the Consideration of Multiple Access Interference in the OFDMA Uplink, Hieu Le (TU-Berlin, Germany); Daniel Willkomm (Technische Universität Berlin, Germany); Adam M Wolisz (Technical University of Berlin, Germany)

1569720281: Spectrum Notch Techniques for TDS-OFDM System, Wenbo Ding (Tsinghua University, P.R. China); Fang Yang (Tsinghua University, P.R. China); Jian Song (Tsinghua University, P.R. China); Fei Ren (Sichuan Changhong Electronic Ltd. Co., P.R. China); Jia Li (Sichuan Changhong Electronic Ltd. Co., P.R. China)

1569714135: Effects of Channel Estimation Errors on BER Performance of DFT-precoded OFDM Systems, Chan-Tong Lam (Macao Polytechnic Institute, Macao); David Falconer (Carleton University, Canada)

1569703719: Taking Advantage of Multi-User Diversity in OFDM Systems, Jose Armando Oviedo (University of California, Santa Cruz, USA); H. Sadjadpour (University of California, Santa Cruz, USA); M. Guizani (QU, USA)

WA-2: Room: BETA
Session Title: Security Architectures and Performance (Security Symposium)
Session Chair: Jalal Almhana, University of Moncton, Canada

1569713351: COACH: a Context Aware and multi-service trust model for Cooperation management in Heterogeneous wireless networks, Yosra Ben Saied (CEA, LIST, France); Alexis Olivereau (CEA LIST, France); Radhouene Azzabi (CEA, France)

1569718963: Low Power Link Layer Security for IoT: Implementation and Performance Analysis, Diego Altolini (University of Padova, Italy); Vishwas Lakkundi (Patavina Technologies, Italy); Nicola Bui (University of Padova, Italy); Cristiano Tapparello (University of Padova, Italy); Michele Rossi (University of Padova, Italy)

1569719735: On Detecting and Clustering Distributed Cyber Scanning, Elias Bou-Harb (Concordia University, Canada); Mourad Debbabi (Concordia University, Montreal, Canada); Chadi Assi (Concordia University, Canada)

1569723921: Firewall Performance Optimization using Data Mining Techniques, Umniya Mustafa (The George Washington University, USA); Mohammad Mehedy Masud (UAEU, UAE); Zouheir Trabelsi (UAE University, UAE);

Timothy Wood (The George Washington University, USA); Zainab Abdulla Al Harthi (UAE University, UAE)

WA-3: Room: V
Session Title: General Symposium II
Session Chair: Igor Bisio, University of Genoa, Italy

1569712997: Towards Integrated Operations for Ships, Liping Mu (University of Agder, Norway); Andreas Prinz (University of Agder, Norway); Frank Reichert (University of Agder, Norway)
1569713517: Performance and Fairness Comparison of Extensions to Dynamic Window Coupling for Multipath TCP, Amanpreet Singh (University of Bremen, Germany); Mei Xiang (University of Bremen, Germany); Andreas J. Könsgen (University of Bremen, Germany); Carmelita Goerg (University of Bremen, Germany)
1569713751: Comparison of Channel Estimation Algorithms for MIMO Downlink LTE Systems, Simone Morosi (University of Florence, Italy); Fabrizio Argenti (University of Florence, Italy); Massimiliano Biagini (University of Florence - CNIT, Italy); Enrico Del Re (University of Florence, Italy)
1569714175: Spatial Data Visualization on Mobile Interface - A Usability Study, Luca Paolino (University of Salerno, Italy); Marco Romano (Università di Salerno, Italy); Giuliana Vitiello (University of Salerno, Italy)
1569714253: A Perceptually Sensitive Markovian Model of Packet Loss Processes during VoIP Conversations, Sofiene Jelassi (INRIA Rennes - Bretagne Atlantique, France); Gerardo Rubino (INRIA, France)
1569719545: Network Topology Configuration, Reza Adhami (The University of Alabama in Huntsville, USA)
1569719851: Enhancing TETRA with capabilities exploiting MIPv6 and IEEE 802.21 MIH services, Corrado Rametta (University of Catania, Italy); Salvatore Grancagnolo (University of Catania, Italy); Emanuele Marano (University of Catania, Italy); Salvatore D'Oro (University of Catania, Italy)

WA-4: Room: X
Session Title: MIMO/Antenna (Wireless Networking Symposium)
Session Chair: Stefania Monica, University of Parma, Italy

1569720787: Optimized Anchors Placement: An Analytical Approach in UWB-based TDOA Localization, Stefania Monica (University of Parma, Italy); Gianluigi Ferrari (University of Parma, Italy)
1569713651: End-to-End Channel Capacity of Multiple-Hop MIMO Relay System with MAC-PHY cross-layer, Pham Thanh Hiep (Yokohama national university, Japan); Nguyen Huy Hoang (Le Quy Don Technical University, Vietnam); Ryuji Kohno (Yokohama National University, Japan)
1569720031: Optimized Transmitted Antenna Power Indoor Planning using Distributed Antenna Systems, Ramy Atawia (German University in Cairo, Egypt); Mohamed Ashour (GUC, Egypt); Tallal Elshabrawy (The German University in Cairo, Egypt); Hani Hammad (German University Cairo, Egypt)
1569703289: Performance analysis of cooperative MIMO ARQ protocols using different combining techniques, Maymouna Ben Said (Ecole Supérieure des Communications, Tunisia); Hatem Boujemaa (Ecole Supérieure des Communications, Tunisia)
1569713835: Detection and Compensation Algorithm for Antenna Gain Imbalance in MIMO Systems, Xiaohui Li (Xidian University, P.R. China); Xin Zhang (Xidian University, P.R. China); Xubin Yuan (Xidian University, P.R. China); Yongqiang Hei (Xidian University, P.R. China)

WA-5: Room: Y
Session Title: Multihop Wireless Networks
Session Chair: Thomas Kunz, Carleton University, Canada

1569703435: Experimental Performance Analysis of Routing Metrics in Wireless Mesh Networks, Chiraz Houaidia (ENSI, University of Manouba, Tunisia); Adrien van den Bossche (IRIT UMR University of Toulouse, France); Hanen Idoudi (ENSI-University of Manouba, Tunisia); Thierry Val (University of Toulouse-UT2-CNRS-IRIT-IRT team, France); Leila Azouz Saidane (ENSI, University of Manouba, Tunisia)
1569704641: An Empirical Study on the Performance of Bluetooth Scatternets, Eduardo Casilari (Universidad de Malaga, Spain)
1569713913: Improved MAODV Link Repair Technique for Group Team Communication in MANET, Xu Li (Beijing Jiaotong University, P.R. China)
1569714167: Analyzing a Self-Organizing Multi-Hop Protocol: Ease of Simulations and Need for Real-World Tests, Clemens Muehlberger (University of Wuerzburg, Germany)
1569799999: Control System for Workplace Safety in a Cargo Terminal, Mariella Sole, Claudia Musu, Fabrizio Boi, Daniele D. Giusto (U. of Cagliari), Vlad Popescu (Transilvania University of Brasov, Romania)

WA-6: Room: Z

Session Title: VTS-Protocols and Performance (Vehicular Symposium)

Session Chair: Abderrahmane Lakas, UAEU, UAE

1569713749: Adaptive Data Collection Protocol using Reinforcement Learning for VANETs, Ahmed Soua (Institut Telecom, France); Hossam Afifi (Institut Telecom, France)

1569700363: Optimized Cross-Layer Protocol Choices for LTE in High-Speed Vehicular Environments, Bjoern Dusza (TU Dortmund University, Germany); Christoph Ide (TU Dortmund University, Germany); Patrick-Benjamin Bök (TU Dortmund, Germany); Christian Wietfeld (TU Dortmund University, Germany)

1569707627: On the Performance Analysis of Cooperative Vehicular Relaying in LTE-A Networks, Mohamed F. Feteiha (Queens University, Canada); Hossam S. Hassanein (Queen's University, Canada)

1569712009: A Loss-tolerant Scheme for Unicast Routing in VANETs using Network Coding, Celimuge Wu (University of Electro-Communications, Japan); Satoshi Ohzahata (The University of Electro-Communications, Japan); Toshihiko Kato (University of Electro-Communications, Japan)

1569712527: Evaluation of TCP Performance with LTE Downlink Schedulers in a Vehicular Environment, Dizhi Zhou (University of New Brunswick, Canada); Wei Song (University of New Brunswick, Canada); Nicola Baldo (Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), Spain); Marco Miozzo (Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), Spain)

1569719481: Token-based Clustered Data Gathering Protocol (TCDGP) in Vehicular Networks, Bouziane Brik (University of Laghouat, Algeria); Nasreddine Lagraa (Amar Thelidji University, Laghouat, Algeria); Abderrahmane Lakas (UAEU, UAE); Hadda Cherroun (Amar Thelidji University, Algeria)

COFFEE BREAK (15:30-16:00)

Wednesday Afternoon Sessions (WA)—(16:00-18:00)

WA-7: Room: MAGNA

Session Title: Coding (Comm. and Signal Processing Symposium)

Session Chair: Maan Kousa, King Fahd University of Petroleum & Minerals, Saudi Arabia

1569699445: Incremental Relaying Protocols for Extended LDPC coded cooperative diversity, Hussain Ali (King Fahd University of Petroleum and Minerals, Saudi Arabia); Maan Kousa (King Fahd University of Petroleum & Minerals, Saudi Arabia)

1569704517: Adaptive Normalized Min-Sum Algorithm for LDPC Decoding, Liwen Fan (Tsinghua University, P.R. China); Changyong Pan (Tsinghua University, Beijing, P.R. China); Kewu Peng (Tsinghua University, P.R. China); Jiachen Huang (Tsinghua University, P.R. China)

1569704519: A New Look of Doping Technique in BICM-ID, Tao Cheng (Tsinghua University, P.R. China); Kewu Peng (Tsinghua University, P.R. China); Changyong Pan (Tsinghua University, P.R. China); Zaishuang Liu (Tsinghua University, P.R. China); Yang Zhixing (Tsinghua University, P.R. China)

1569705565: A 122Mb/s Turbo Decoder using a Mid-range GPU, XianJun Jiao (Nokia Research Center, P.R. China); Pekka Jääskeläinen (Tampere University of Technology, Finland); Vladimir Guzma (Tampere University of Technology, Finland); Heikki Berg (Nokia, Finland); Canfeng Chen (Nokia Research Center, P.R. China)

1569713717: Turbo Decoding on Tailored OpenCL Processor, Heikki Kultala (Tampere University of Technology, Finland); Otto Esko (Tampere University of Technology, Finland); XianJun Jiao (Nokia Research Center, P.R. China); Pekka Jääskeläinen (Tampere University of Technology, Finland); Vladimir Guzma (Tampere University of Technology, Finland); Jarmo Takala (Tampere University of Technology, Finland); Tommi Zetterman (Nokia, Finland); Heikki Berg (Nokia, Finland)

1569714337: Adaptation of Opportunistic Relay Selection into Distributed Turbo Coded Cooperative Communication System, Hakan Kaya (Zonguldak Karaelmas University, Turkey); Ertan Ozturk (Zonguldak Karaelmas University, Turkey)

WA-8: Room: BETA

Session Title: Attacks and Countermeasures (Security Symposium)

Session Chair: Wassim El-Hajj (American University of Beirut, Lebanon)

1569713135: HPAP: A Novel Authentication Scheme for RFID Systems, Mohammed Hakeem (Ryerson University, Canada); Kaamran Raahemifar (Ryerson University, Canada)

1569714515: Framework for Creating Realistic Port Scanning Benchmarks, Mustafa Al-Tamimi (American University of Beirut, Lebanon); Wassim El-Hajj (American University of Beirut, Lebanon); Fadi Aloul (American University of Sharjah, UAE)

1569719261: Hardware implementable S-box based on a discretized piecewise linear chaotic map, Daisaburo Yoshioka (Sojo University, Japan)

1569721265: Detecting Attacks in QoS-OLSR Protocol, Hiba Sanadiki (LAU, Lebanon); Hadi Otrok (Khalifa University of Science, Technology & Research (KUSTAR), UAE); Azzam Mourad (Lebanese American University (LAU), Lebanon); Jean-Marc Robert (Ecole de Technologie Supérieure, Canada)
1569722733: A Dynamic Identity User Authentication Scheme in Wireless Sensor Networks, Wen-Bin Hsieh (National Taiwan University of Science and Technology, Taiwan); Jenq-Shiou Leu (National Taiwan University of Science and Technology, Taiwan)
1569729465: A Novel Active Warden Steganographic Attack for Next-Generation Steganography, Aaron Sharp (University of Nebraska, USA); Qilin Qi (University of Nebraska, USA); Yaoqing (Lamar) Yang (University of Nebraska-Lincoln, USA); Dongming Peng (University Nebraska - Lincoln, USA); Hamid Sharif (University of Nebraska-Lincoln, USA)

WA-9: Room: V
Session Title: Traffic Analysis and Modeling (TRAC Workshop)
Session Chair: Sandrine Vaton, Telecom Bretagne, France

1569713659: Experimental study and modeling of Networked Virtual Environment server traffic, Juan Luis Font (University of Seville, Spain); Christian Callegari (University of Pisa, Italy); Jose-Luis Sevillano (Universidad de Sevilla, Spain)
1569714295: Tracking application network performance in Home Gateways, Ahlem Reggani (UPMC Sorbonne Universites and CNRS, France); Fabian Schneider (NEC Laboratories Europe, Germany); Renata Teixeira (CNRS and Université Pierre et Marie Curie, France)
1569714383: Empirical analysis of traffic to establish a profiled flow termination timeout, Juan Molina (Universitat Politècnica de Catalunya, Spain); Valentín Carela-Español (Technical University of Catalonia, Spain); Ralf Hoffmann (University Bayreuth, Germany); Klaus Degner (Ipoque, Germany); Pere Barlet-Ros (Technical University of Catalonia, Spain)
1569714391: Graph Theoretical Models of DNS Traffic, Luca Deri (NTOP, Italy); Simone Mainardi (University of Pisa, Italy); Maurizio Martinelli (Istituto di Informatica e Telematica - CNR, Italy); Enrico Gregori (CNR-IIT, Italy)
1569720993: A Complete Framework for Modeling and Generating Workload Volatility of a VoD System, Shubhabrata Roy (INRIA, France); Thomas Begin (Université de Lyon 1, France); Paulo Gonçalves (INRIA, France)

WA-10: Room: X
Session Title: Wireless Multimedia Networks (Multimedia Over Wireless Symposium)
Session Chair: Fen Hou, University of Macau, Macao

1569722793: Multimedia Multicast Service Provisioning in Cognitive Radio Networks, Fen Hou (University of Macau, Macao); Zhaofu Chen (Northwestern University, USA); Jianwei Huang (The Chinese University of Hong Kong, Hong Kong); Aggelos K Katsaggelos (Northwestern University, USA); Zhu Li (Samsung Telecom America, USA)
1569703371: Cross-Layer Scheduling for Multi-Quality Video Streaming in Cellular Wireless Networks, Martin Dräxler (University of Paderborn, Germany); Holger Karl (University of Paderborn, Germany)
1569713539: Group Streaming Service for the Public Transportation System over Fixed Mobile Convergence Networks, Yuan-Tse Yu (National Kaohsiung Normal University, Taiwan); Chung-Ming Huang (National Cheng Kung University, Taiwan); Chi-Hong Liu (National Cheng Kung University, Taiwan)
1569713865: A Novel Packet Urgency Metric-based Cross-layer Design for Video Streaming over Multi-rate MANETs, Wan Kim (POSTECH (Pohang University of Science and Technology), Korea); Hyun Chul Joo (University of POSTECH, Korea); Ki Jin An (POSTECH, Korea); Hwangjun Song (POSTECH (Pohang University of Science and Technology, Korea)
1569714557: WiMAX Network with Quality of Service for Streaming Multimedia Applications, Wahab Almuhtadi (Algonquin College, Canada); Ricky Wong (Algonquin College, Canada); Anand Srinivasan (Carleton University, Canada)
1569729843: Analysis of Management Policies for Multicast Transmission of Scalable Video Content in Next Generation Networks, Iffat Ahmed (IMT Institute for Advanced Studies, Lucca, Italy); Leonardo Badia (University of Padova, Italy)

WA-11: Room: Y
Session Title: M2M Communications
Session Chair: Phone Lin, National Taiwan University, Taiwan

1569714439: Linked Services for M2M communication with Enterprise IT systems, Matthias Thoma (University of Bern, Switzerland); Alexandru-Florian Antonescu (University Bern, Switzerland); Theano Mintsis (SAP Research, Switzerland); Torsten Ingo Braun (University of Bern, Switzerland)
1569714551: A Dynamic Spectrum Access (DSA)-based Multichannel Protocol for Large Scale Machine-to-Machine (M2M) Networks, Lun-Kai Hsu (National Taiwan University, Taiwan); Chun-Ting Chou (National Taiwan University, Taiwan)
1569714553: An Adaptive Multichannel Protocol for Large-scale Machine to Machine (M2M) Networks, Chen-Yu Hsu (National Taiwan University, Taiwan); Chi-Hsien Yen (National Taiwan University, Taiwan); Chun-Ting Chou (National Taiwan University, Taiwan)
1569720271: Leveraging Overhearing for Correlated Data Gathering in M2M Communications with Limited Radio Resources, Hung-Yun Hsieh (National Taiwan University, Taiwan)

1569726287: uLIPA: a Universal Local IP Access Solution for 3GPP Mobile Networks, Jia-Wei Wu (NTHU, Taiwan); Ching-Wen Cheng (Industrial Technology Research Institute, Taiwan); Shun-Ren Yang (NTHU, Taiwan); Chai-Hien Gan (ITRI, Taiwan); Yi-Bei Chen (NTHU, Taiwan)
1569726355: Sensor Networks for Remote Monitoring of Public Transport Vehicles, Romeo Giuliano (Università di Roma Tor Vergata, RadioLabs, Italy); Franco Mazzenga (Università di Roma Tor Vergata, Italy); Marco Petracca (University of Rome "Tor Vergata", Italy)

WA-12: Room: Z
Session Title: VTS—Physical Layer Designs and Analysis (Vehicular Symposium)
Session Chair: Xiaomin Ma, Oral Roberts University, USA

1569711197: Capacity Maximization in MIMO Vehicular Communication using a Novel Antenna Selection Algorithm, Hojjat Seyed Mousavi (Pennsylvania State University, USA); Bahar Khalighinejad (Sharif University of Technology, Iran); Babak Hossein Khalaj (Sharif University of Technology, Iran)

1569714369: Spreading Codes for Multiuser Estimation in Non Coherent Environments, Chirag Warty (STANFORD University, USA); Sandeep Mattigiri (California State University, USA); Richard Yu (NAVSEA - Port Hueneme, USA); Ennio Gambi (Università Politecnica delle Marche, Italy); Susanna Spinsante (Università Politecnica delle Marche, Italy)

1569711663: Joint Interference Alignment and Power Allocation in MIMO Interference Network , Xu Shengfeng (China, P.R. China)

1569721235: Implementation and Evaluation of Channel Estimation and Phase Tracking for Vehicular Networks, Yongjiu Du (Southern Methodist University, USA); Dinesh Rajan (Southern Methodist University, USA); Joseph D. Camp (Southern Methodist University, USA)

1569704581: Numerical simulation of channel models for aircraft, Andrew Thain (EADS - Innovation Works, France); Gilles Peres (EADS - Innovation Works, France); David Naveiras-Ferreiro (University of Vigo, Spain)

DINNER BANQUET (19:00-21:00)

Technical Program of IEEE IWCMC 2013
Cagliari, Sardinia, Italy, July 1—5, 2013
Thursday, July 4, 2013

Registration: (8:00-15:00)

Room: Open Hall

KEYNOTE 3 (9:00-10:00)

Room: MAGNA

Speaker: Daniele Franceschini, Telecomitalia, Italy

Title: Overview on the Key Technology Milestones in the Ultra Mobile Broadband Evolution Path

Chair: Mario Gerla, UCLA, USA

COFFE BREAK (10:00 – 10:30)

Thursday Morning Sessions (ThM)—(10:30-12:30)

ThM-1: Room: MAGNA

Session Title: WINET I (Wireless Networking Symposium)

Session Chair: Fulvio Babich, University of Trieste, Italy

1569698841: On the Interplay Between RPL and Address Auto configuration Protocols in Low-Power and Lossy Networks (LLNs), Emilio Ancillotti (Italian National Research Council, Italy); Raffaele Bruno (IIT-CNR, Italy); Marco Conti (IIT-CNR, Italy)

1569710973: A Novel Angle-of-Arrival Assisted Extended Kalman Filter Tracking Algorithm with Space-Time Correlation based Motion Parameters Estimation, Li Zhang (National University of Singapore, Singapore); Yong Huat Chew (Institute for Infocomm Research, Singapore); Wai-Choong Wong (National University of Singapore, Singapore)

1569712237: SuperBS: A Methodology for Resource Management in Heterogeneous Wireless Networks, Ilias Tsompanidis (University College Cork, Ireland); Ahmed H. Zahran (Cairo University, Egypt); Cormac J. Sreenan (University College Cork, Ireland)

1569713405: Improved Utility-Based Radio Resource Allocation in OFDMA Systems with Mixed Traffics, Ying Liu (Xi'an Jiaotong University, P.R. China); Feng Li (Xi'an Jiaotong University, P.R. China); Shihua Zhu (Xi'an Jiaotong University, P.R. China); Lina Geng (Xi'an Jiaotong University, P.R. China)

1569713799: External Interference-Aware Channel Assignment, Felix Juraschek (Freie University Berlin, Germany); Mesut Guenes (Freie Universitat Berlin, Germany)

1569735111: Multi-Packet Communication by Spatial Reuse: Application Scenarios and Open Research Issues, Fulvio Babich (University of Trieste, Italy); Massimiliano Comisso (University of Trieste, Italy)

ThM-2: Room: BETA

Session Title: Security and Synchronization in WSN (Wireless Sensor Networks Symposium)

Session Chair: Abderrezak Rachedi, University Paris-Est Marne-la-Vallée, France

1569705677: Mutual authentication in Wireless body sensor networks based on Physical Unclonable Function (PUF), Young Sil Lee (Dongseo University Graduate School, Finland); Esko Alasaarela (Oulu, Finland)

1569720515: Security with Quality-of-Services Optimization in Wireless Sensor Networks, Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France); Amina Hasnaoui (LIGM (UMR), France)

1569720731: A Recursive Solution for Improving the Synchronization Accuracy in Wireless Sensor Networks, MohammadJavad Hajikhani (Carleton University, Canada); Thomas Kunz (Carleton University, Canada); Howard Schwartz (Carleton University, Canada)

1569728281: Distributed Binary Consensus Algorithm and Wireless Sensor Network, Abderrazek Abdaoui (Qatar University, Qatar); Tarek M. Elfouly (Qatar University, Qatar); Moez Draief (Imperial College London, United Kingdom)

1569728767: Binary Consensus in Sensor Motes, Noor Al-Nakhala (Qatar University, Qatar); Ryan Riley (Qatar University, Qatar); Tarek M. Elfouly (Qatar University, Qatar)

ThM-3: Room: V
Session Title: MANET II (Wireless Networking Symposium)
Session Chair: Giorgia Rossi, Imperial College London, United Kingdom

1569719123: Performance Tradeoffs by Power Control in Wireless Ad-Hoc Networks, Giorgia V Rossi (Imperial College London, United Kingdom); Kin K. K. Leung (Imperial College, United Kingdom)
1569720613: Wireless Body Area Network Platforms Evaluation, Bandar Alghamdi (Université de Reims Champagne-Ardenne, France); Hacene Fouchal (Université de Reims Champagne-Ardenne, France)
1569720727: Multi-Phase Socially-Aware Routing in Distributed Mobile Social Networks, Nikolaos Vastardis (University of Essex, United Kingdom); Kun Yang (University of Essex, United Kingdom)
1569723207: 2PACA: Two Phases Algorithm of Checkpointing for Ad hoc mobile networks, Haroun Benkaouha (LSI Laboratory, Algeria); Lynda Mokdad (Université de Paris 12, France); Abdelkrim Abdelli (USTHB University-Algiers, Algeria)
1569728899: Robust Brute Force and Reduced Complexity Approaches for Timing Synchronization in IEEE 802.11a/g WLANs, Leila Nasraoui (Sup'com, Tunisia); Leila Najjar (Sup'Com, Tunisia); Mohamed Siala (Sup'Com, Tunisia)

ThM-4: Room: X
Session Title: Applications and Data Aggregation (Wireless Sensor Networks Symposium)
Session Chair: Hossam Hassanein, Queen's University, Canada

1569704561: MUSIKA: a Multichannel Multi-sink Data Gathering Algorithm in Wireless Sensor Networks, Ridha Soua (INRIA, France); Erwan Livolant (INRIA, France); Pascale Minet (INRIA, France)
1569711865: Vibration Sensor based Intelligent Fault Diagnosis System for Large Machine Unit in Petrochemical Industry, Qinghua Zhang (Guangdong University of Petrochemical Technology, P.R. China); Aisong Qin (Guangdong University of Petrochemical Technology, P.R. China); Lei Shu (Guangdong University of Petrochemical Technology, P.R. China); Guoxi Sun (Guangdong University of Petrochemical Technology, P.R. China); Longqiu Shao (Guangdong University of Petrochemical Technology, P.R. China)
1569713433: Evaluation of the Wireless M-Bus Standard for Future Smart Water Grids, Susanna Spinsante (Università Politecnica delle Marche, Italy); Mirco Pizzichini (Università Politecnica delle Marche, Italy); Matteo Mencarelli (Università Politecnica delle Marche, Italy); Stefano Squartini (Università Politecnica delle Marche, Italy); Ennio Gambi (Università Politecnica delle Marche, Italy)
1569713681: Monitoring Operational Mining Equipment Using Sprouts Wireless Sensor Network Platform, Ahmad El Kouche (Queen's University, Canada); Abdallah Alma'aitah (Queen's University, Canada); Hossam S. Hassanein (Queen's University, Canada); Khaled Obaia (Oil and Energy, Canada)
1569713371: Exploring Gradient in Sensor Deployment Pattern for Data Gathering with Sleep based Energy Saving, Suchetana Chakraborty (Indian Institute of Technology Guwahati, India); Sandip Chakraborty (Indian Institute of Technology Guwahati, India); Sukumar Nandi (Indian Institute of Technology, Guwahati, India); Sushanta Karmakar (Indian Institute of Technology, Guwahati, India)

ThM-5: Room: Y
Session Title: Mobile Systems & Resource Management (Mobile Computing Symposium)
Session Chair: Gianluigi Ferrari, (University of Parma, Italy)

1569720747: Data Storage and Retrieval with RPL Routing, Pietro Gonizzi, Gianluigi Ferrari, Paolo Medagliani (University of Parma, Italy), Jeremie Leguay (Thales Communications & Security, France)
1569714413: CaregiverNet: A Novel Social Support Intervention for Locating and Securing Wandering Alzheimer's Patients As Soon As Possible, Yilmaz Yüce, Kemal Hakan Gulkesen (Akdeniz University, Turkey)
1569713861: CTrack: A Cyber-Physical Approach to Construction Site Work Improvement Studies, Alan Baines, Thaddeus Czauski, Jules White, Mani Golparvar-Fard, Brian Dougherty (Virginia Tech., USA)
1569710321: A Probabilistic Approach to Outdoor Localization Using Clustering and Principal Component Transformations, Kejong Li, John Bigham, Laurissa Tokarchuk, Eliane Bodanese (Queen Mary, University of London, United Kingdom)
1569704055: A Read-Write-Validate Approach to Optimistic Concurrency Control for Energy Efficiency of Resource-Constrained Systems, Kamal Solaiman, Matthew Brook, Gary Ushaw, Graham Morgan (Newcastle University, United Kingdom)
1569713495: A Coordination Framework for Dynamic Adaptation in Ubiquitous Systems Based on Distributed Tuple Space, Benedito J. A. Neto, Rossana M. C. Andrade, Marcio Maia, André Fonteles (Federal University of Ceará, Brazil), Windson Viana (Laboratoire d'Informatique de Grenoble, France)

ThM-6: Room: Z
Session Title: Modeling and Optimization II (Wireless Sensor Networks Symposium)
Session Chair: Ahmed Helmy, University of Florida, USA

1569719977: Domain and Location Specific Modeling of Mobile Users Online Interests, S. Moghaddam; M. Carvalho; A. Helmy (University of Florida, USA)
1569714289: Consistency Analysis of Sensor Data Distribution, M. Femminella; G. Reali (U. of Perugia, Italy)
1569719331: Adaptive Data Collection Approach for Periodic Sensor Networks, David Laiymani (LIFC, France); Abdallah Makhoul (University of Franche-Comté, France)
1569731741: Diffusion Normalized Least Mean Squares Over Wireless Sensor Networks, Syed Abdul Baqi; Azzedine Zerguine; Muhammad Omer Bin Saeed (KFUPM, Saudi Arabia)
1569710999: A Dynamic 6LoWPAN Context Table Maintaining Algorithm, Laizhong Cui (Shenzhen University, P.R. China); Guibin Hua (Tsinghua University, P.R. China); Nan Lu (Shenzhen University, P.R. China)
1569711887: Lifetime Scaling Law of Ordinary Clustering Ultra-wideband Sensor Network, Juan Xu (University of Tongji, P.R. China)

LUNCH BREAK (12:00 – 13:30)

Thursday Afternoon Sessions (ThA)—(13:30-15:30)

ThA-1: Room: MAGNA
Session Title: QoS in Wireless Sensor Networks (Wireless Sensor Networks Symposium)
Session Chair: Hussein Mouftah, University of Ottawa, Canada

1569704413: A Delay Mitigation Scheme for WSN-based Smart Grid Substation Monitoring, Irfan S. Al-Anbagi (School of Electrical Engineering and Computer Science University of Ottawa, Canada); Melike Erol-Kantarci (University of Ottawa, Canada); Hussein Mouftah (University of Ottawa, Canada)
1569714085: A QoS-assured Opportunistic Routing Mechanism for WMN, Weifeng Sun (Dalian University of Technology, P.R. China); Haotian Wang (Dalian University of Technology, P.R. China); Ning Zhang (Dalian University of Technology, P.R. China); Dongdong Tang (Dalian University of Technology, P.R. China); Lei Shu (Guangdong University of Petrochemical Technology, P.R. China)
1569714473: Model-Driven Approach to Agilla Agent Generation, Antinisca Di Marco (University of L'Aquila, Italy); Stefano Pace (University of L'Aquila, Italy)
1569719037: Transmitting Objects in Images with Service Differentiation Based Source Coding in Wireless Sensor Networks, Alper K. Demir (Kocaeli University, Turkey); Kerem Irgan (Yeditepe University, Turkey); Sebnem Baydere (Yeditepe University, Turkey); H. Engin Demiray (Kocaeli University, Turkey)

ThA-2: Room: BETA
Session Title: MIMO Systems (Comm. And Signal Processing Symposium)
Session Chair: Ertan Ozturk, Zonguldak Karaelmas University, Turkey

1569713535: SINR-Interference Tradeoff Beamforming for MISO Cognitive Radio Network, Huiqin Du (University of Edinburgh, United Kingdom); Tharmalingam Ratnarajah (The University of Edinburgh, United Kingdom)
1569713557: Ergodic Sum Rate Analysis of K Fading MIMO Channels with Linear MMSE Receiver, Jiang Xue (The University of Edinburgh, United Kingdom); Caijun Zhong (Zhejiang University, P.R. China); Tharmalingam Ratnarajah (The University of Edinburgh, United Kingdom)
1569714293: Distributed Optimal Cyclotomic Space-Time Coding for Full-Duplex Cooperative Relay Networks, Hua Jiang (Nanjing University, P.R. China); Xianglei Xing (Nanjing University, P.R. China); Sidan Du (Nanjing University, P.R. China)
1569716915: Analysis of Effective SINR Mapping Models for MIMO OFDM in LTE System, Zakaria Hanzaz (University of kaiserslautern, Germany); Hans D. Schotten (University of Kaiserslautern, Germany)

ThA-3: Room: V
Session Title: Coverage and Topology Control (Wireless Sensor Networks Symposium)
Session Chair: Nidal Nasser, Alfaisal University, SA

1569712681: Efficient Visual Sensor Coverage Algorithm in Wireless Visual Sensor Networks, Hong-Hsu Yen (Shih-Hsin University, Taiwan)
1569713041: Topology and Link Quality-aware Geographical Opportunistic Routing in Wireless Ad-hoc Networks, Zhongliang Zhao (University of Bern, Switzerland); Denis Lima Rosário (Federal University of Para, Brazil);

Torsten Ingo Braun (University of Bern, Switzerland); Eduardo Cerqueira (Federal University of Para, Brazil); Hongli Xu (University of Science and Technology of China, P.R. China); Liusheng Huang (University of Science and Technology of China, P.R. China)

1569713951: An Energy Efficient Hierarchical Clustering Index Tree for Facilitating Time-Correlated Region Queries in Wireless Sensor Network, Jine Tang (China University of Geosciences, Beijing, P.R. China); Yi Xiao (China University of Geosciences, Beijing, P.R. China); Zhangbing Zhou (Institute Telecom, France); Lei Shu (Guangdong University of Petrochemical Technology, P.R. China); Qun Wang (China University of Geosciences, Beijing, P.R. China)

1569716489: An Indoor Dead-Reckoning Algorithm with Map Matching, Haitao Bao (National University of Singapore, Singapore); Wai-Choong Wong (National University of Singapore, Singapore)

1569714355: Coverage-Connectivity based Fault Tolerance Procedure in Wireless Sensor Networks, Inès El Korbi (University of Manouba, Tunisia); Yacine Ghamri-Doudane (ENSIIE & Université Paris-Est (LIGM Lab), France); Rimel Jazi (ENSI, Tunisia); Leila Azouz Saidane (ENSI, University of Manouba, Tunisia)

ThA-4: Room: X

Session Title: Wireless Networked Systems (Mobile Computing Symposium)

Session Chair: Ahmed Helmy, University of Florida, USA

1569720131: Collision Aware Coloring Algorithm for wireless, Imen Jemili, Dhouha Ghrab, Abdelfettah Belghith (University of Manouba, Tunisia)

1569720139: On Sellers' Quantity Games for Dynamic Spectrum Sharing, Chih-Wei Huang, How-Min Lin (National Central University, Taiwan), Wen-Hsin Wei (Institute for Information Industry, Taiwan)

1569720509: A Polynomial-Time Algorithm for Optimizing Channel Selection in Cognitive Radio Networks, Luca Zappaterra (The George Washington University, USA), Joseph Gomes (Bowie State University, USA), Amrinder Arora, Hyeong-Ah Choi (The George Washington University, USA)

1569714299: Service Selection and Composition in Opportunistic Networks, Marco Conti, Emanuel Marzini, Davide Mascitti, Andrea Passarella (IIT-CNR, Italy), Laura Ricci (University of Pisa, Italy)

1569719597: Design and Evaluation of a Delay-Efficient RPL Routing Metric, Pietro Gonizzi, Gianluigi Ferrari, Riccardo Monica (University of Parma, Italy)

1569722167: Stochastic Analysis on Epidemic Dissemination of Lifetime-Controlled Messages in DTNs, Huawei Huang (China University of Geoscience, China), Deze Zeng, Song Guo (The University of Aizu, Japan), Hong Yao (China University of Geoscience, China), Toshiaki Miyazaki (The University of Aizu, Japan)

1569757195: Changing Pattern of Network Usage: Laptop vs Smart-phones, U. Kumar, J. Kim, A. Helmy (University of Florida, USA)

ThA-5: Room: Y

Session Title: Wireless Multimedia Communications (Multimedia over Wireless Symposium)

Session Chair: Jun Liu, Tsinghua University, P.R. China

1569720877: User-Based Energy-Efficient Scalable Video Multicast over Wireless Networks, Jun Liu (Tsinghua University, P.R. China); Yu Zhang (Tsinghua University, P.R. China); Jian Song (Tsinghua University, P.R. China)

1569703471: Outdoor scenes identification on mobile device by Integrating Vision and Inertial Sensors, Zhenwen Gui (Beijing Institute of Technology, P.R. China); Yue Liu (Beijing Institute of Technology, P.R. China); Jing Chen (Beijing Institute of Technology, P.R. China); Yongtian Wang (Beijing Institute of Technology, P.R. China)

1569712963: Unwired: A Simulation Test-bed for Mobile P2P Live Streaming, Maaz Mohiuddin (Indian Institute of Technology Hyderabad, India); Philipp Eittenberger (Otto-Friedrich University Bamberg, Germany); Udo R. Krieger (Otto-Friedrich University Bamberg, Germany)

1569713169: An adaptive video streaming scheme for a cooperative fleet of Vehicles, Chung-Ming Huang (National Cheng Kung University, Taiwan); Chia-Ching Yang (National Cheng Kung University, Taiwan); Yu Cheng Lin (National Cheng Kung University, Taiwan)

1569714015: Wireless cooperative access to images, Cristian Perra (University of Cagliari, Italy)

ThA-6: Room: Z

Session Title: VANET (Vehicular Symp.)

Session Chair: Ala Al-Fuqaha, Western Michigan University, USA

1569704757: Performance of VANET Safety Message Broadcast at Rural Intersections, Xiaomin Ma (Oral Roberts University, USA); Xiaoyan Yin (Duke University, USA); Matthew Wilson (Oral Roberts University, USA); Kishor S. Trivedi (Duke University, USA)

1569714307: Context Severity Based Opportunistic Service Reprioritization for IEEE 802.11p VANETs, Mohammad A Salahuddin (Western Michigan University, USA); Ala Al-Fuqaha (Western Michigan University, USA); Frederic Jacquelin (Scenaria, Inc., USA); Yohan Shim (Scenaria, Inc., USA)

1569714535: Scalable VANET Content Routing Using Hierarchical Bloom Filters , Yu-Ting Yu (University of California, Los Angeles, USA); Thomas Punihaole (University of California, Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA); M. Y. Sanadidi (University of California, Los Angeles, USA)
1569714559: Analyzing Extended Sliding Frame Reservation-Aloha MAC Protocol against Asymmetric Radio Link Problem in MANET/VANET, Kazi Atiqur Rahman (University of Windsor, Canada); Kemal Tepe (University of Windsor, Canada)
1569701327: Reliable Broadcast in Vehicular Ad-Hoc Networks, Shu Zhang (Trinity College Dublin, Ireland); Mikael Asplund (Trinity College Dublin, Sweden); Vinny Cahill (Trinity College Dublin, Ireland)
1569713033: A Presence-Based Architecture for a Gateway to Integrate Vehicular Ad-hoc Networks (VANETs), The IP Multimedia Subsystems (IMS) and Wireless Sensor Networks (WSNs), Mohab Aly (Ecole Polytechnique de Montreal, Canada); Alejandro Quintero (Ecole Polytechnique de Montreal, Canada)
1569719495: Enhanced Connectivity in Vehicular Ad-Hoc Networks via V2V Communications, Elias Yaacoub (Qatar Mobility Innovations Center (QMIC), Qatar); Nizar Zorba (QMIC, Qatar)

COFFEE BREAK (15:30-16:00)

Thursday Afternoon Sessions (ThA)—(16:00-18:00)

ThA-7: Room: MAGNA
Session Title: Application Level Security (Security Symposium)
Session Chair: Jeremy Seideman, Graduate School and University Center, CUNY, USA

1569714353: A Contactless E-health Information System with Privacy, Aude Plateaux (ENSICAEN - University of Caen, France); Patrick Lacharme (ENSICAEN, France); Kumar Murty (GANITA lab, Canada); Christophe Rosenberger (GREYC Laboratory, France)
1569714389: Applying machine learning classifiers to dynamic Android malware detection at scale, Brandon Amos (Virginia Polytechnic Institute and State University, USA); Hamilton Turner (Virginia Tech, USA); Jules White (Vanderbilt University, USA)
1569712755: Improved ID-Based Remote User Authentication Scheme Using Smart Card, Toan Thanh Truong (University of Science, VNU-HCM, Vietnam); Minh Triet Tran (University of Science, VNU-HCM, Vietnam); Duc Duong (University of Science, Vietnam)
1569713637: Determining vulnerability resolution time by examining malware proliferation rates, Jeremy Seideman (The Graduate School and University Center, CUNY, USA); Bilal Khan (John Jay College of Criminal Justice, City University of New York, USA); Ghassen Ben Brahim (PMU, Saudi Arabia)
1569712873: Sandroid: Simplistic Permission Based Android Malware Detection and Classification, Bemnet Debelo (Ajou University, Korea)
1569721515: Batch-based Group Key Management with Shared Key Derivation in the Internet of Things, Luca Veltri (University of Parma, Italy); Simone Cirani (University of Parma, Italy); Gianluigi Ferrari (University of Parma, Italy); Stefano Busanelli (University of Parma, Italy)

ThA-8: Room: BETA
Session Title: Communication Systems II (Comm. And Signal Processing Symposium)
Session Chair: Haikal Al Abed, GIZ, Germany

1569719325: A Dual-layer Differential Equal Gain Transmission Technique using M-PSK Constellations, Young Ju Kim (Chungbuk National University, Korea); Noeyoon Park (Chungbuk National University, Korea)
1569713529: On Maximizing the Performance of SC-FDMA Systems with Rotated Constellation, Benjamin Ng (Macao Polytechnic Institute, Macao); Chan-Tong Lam (Macao Polytechnic Institute, Macao)
1569714507: Genetic Algorithm Aided Gray-APSK Constellation Optimization, Keqian Yan (Tsinghua University, P.R. China); Fang Yang (Tsinghua University, P.R. China); Changyong Pan (Tsinghua University, P.R. China); Jian Song (Tsinghua University, P.R. China); Fei Ren (Sichuan Changhong Electronic Ltd. Co., P.R. China); Jia Li (Sichuan Changhong Electronic Ltd. Co., P.R. China)
1569706155: An Improved Preamble Design for Broadcasting Signalling with Enhanced Robustness, Zhen Gao (Tsinghua University, P.R. China); Chao Zhang (Tsinghua University, P.R. China); Zhaocheng Wang (Tsinghua University, P.R. China)
1569713541: Adaptive Primary Synchronization Signal Detection for 3GPP Long Term Evolution, Ahmed Elsharif (University of California, Davis, USA); Mohamed Khairy (Elec. and Comm. Dept., Faculty of Eng., Cairo Univ, Egypt)
1569799998: Adaptive Service Function for System Reward Maximization Under Elastic Traffic Model, M. Norooz Olliaee, B. Hamdaoui (Oregon State University, USA), M. Guizani (Qatar University)

ThA-9: Room: V
Session Title: VTS—Traffic, Services, and Applications (Vehicular Symposium)
Session Chair: Celimuge Wu, University of Electro-Communications, Japan

1569703429: Availability Evaluation of IPTV Services in Roadside Backbone Networks with Vehicle-to-Infrastructure Communication, Sadaf Momeni (University of Hamburg, Germany); Junyu Lai (NEC Labs China, P.R. China); Bernd E. Wolfinger (University of Hamburg, Germany)

1569713253: Location Prediction for Large Scale Urban Vehicular Mobility, Siyu Chen (Tsinghua University, P.R. China); Yong Li (Tsinghua University, P.R. China); Wenyu Ren (Tsinghua University, P.R. China); Depeng Jin (Tsinghua University, P.R. China); Pan Hui (Deutsche Telekom Laboratories, Germany)

1569713655: Mobile Application for Driver's Health Status Remote Monitoring, Krzysztof Rózanowski (Military Institute of Aviation Medicine, Poland); Zbigniew Piotrowski (Military University of Technology, Poland); Michał Ciołek (Military University of Technology, Poland)

1569714377: Quorum-based Location Service in Vehicular Sensor Networks, Euisin Lee (University of California, Los Angeles, USA); Hyunsoo Choe (University of California, Los Angeles, USA); Pragadheeshwaran Thirumurthi (University of California, Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA); Sang-Ha Kim (Chungnam National University, Korea)

1569729083: SmartGeocast: Dynamic Abnormal Traffic Information Dissemination to Multiple Regions in VANET, Linjuan Zhang (Beijing Jiaotong University, P.R. China); Deyun Gao (Beijing Jiaotong University, P.R. China); Shuai Gao (Beijing Jiaotong University, P.R. China); Victor CM Leung (The University of British Columbia, Canada)

1569730317: On the Existence of Self-similarity in Large-scale Vehicular Networks, Gautam Thakur (University of Florida, USA); Pan Hui (Deutsche Telekom Laboratories, Germany); Ahmed Helmy (University of Florida, USA)

ThA-10: Room: X
Session Title: Cognitive Networks (Cognitive and Cooperative Networks Workshop)
Session Chair: Sghaier Guizani, Alfaisal University, SA

1569705077: Exploring Qualitative Probabilistic Networks for Knowledge Modeling in Cognitive Wireless Networks, P. Balamuralidhar (Tata Consultancy Services, India)

1569710173: Reduced Complexity Blind Beamforming for Multiple Antenna Spectrum Sensing, Ines Elleuch (Higher School of Communication of Tunis, Tunisia); Fatma Abdelkefi (High School of Communications of Tunis (SUPCOM), Tunisia); Mohamed Siala (Sup'Com, Tunisia)

1569713891: A Cognitive Radio MAC Protocol for Exploiting Bandwidth Utilization in Wireless Networks, Chih-Yung Chang (Tamkang University, Taiwan); Li-Ling Hung (Aletheia University, Taiwan); Chao-Tsun Chang (Hsiuping University of Science and Technology, Taiwan); Tzu-Lin Wang (Tamkang University, Taiwan); Tzu-Chia Wang (Tamkang University, Taiwan)

1569714367: Handoff Reducing Model for Multichannel Access in Cognitive Radio Networks, Soumaya Dahi (Ecole Supérieure des Communication de Tunis, Tunisia); Sami Tabbane (Sup Telecom, Tunisia)

1569714393: On the Selection of Working Channels in a Channel-Hopping Cognitive PAN, Jelena Misić (Ryerson University, Canada); Vojislav B. Misić (Ryerson University, Canada); Mohammad Khan (Ryerson University, Canada)

1569720425: Use of Chance-Constrained Programming for Solving the Opportunistic Spectrum Sharing Problem under Rayleigh Fading, Tuan Thieu (National Taiwan University, Taiwan); Hung-Yun Hsieh (National Taiwan University, Taiwan)

ThA-11: Room: Y
Session Title: Signal Processing for Communications (Communication and Signal Processing Symp.)
Session Chair: Sofiene Affes, INRS-EMT, Canada

1569712487: Design of a Multi-User Multi-Carrier Differential Chaos Shift Keying Communication System, Georges Kaddoum (LACIME laboratory, Canada); Francois-Dominique Richardson (ETS, LACIME Laboratory, Canada); Sarra Adouni (ETS, LACIME Laboratory, Canada); Claude Thibeault (Ecole de Technologie Supérieure, Canada)

1569713905: Interference-aware weighting scheme for satellite/terrestrial integrated mobile communication system, Akihisa Tanaka (Nagoya Institute of Technology, Japan); Eiji Okamoto (Nagoya Institute of Technology, Japan); Hiroyuki Tsuji (NICT, Japan); Yoshiyuki Fujino (National Institute of Information and Communications Technology, Japan)

1569727733: Downlink Interference Cancellation Strategy for Shared-Spectrum LTE HetNet, Ahmed Latrach (INRS-EMT, Canada); Raouia Nasri (Institut national de la recherche scientifique, Canada); Sofiene Affes (INRS-EMT, Canada)

1569714979: Effect of near-surface bubble plumes on the acoustic signal used in UWACNs, Amit Mandal (Centre for Oceans, Rivers, Atmosphere and Land Sciences, India); Sudip Misra (Indian Institute of Technology-Kharagpur, India); Mihir Dash (Indian Institute of Technology-Kharagpur, India)

ThA-12: Room: Z
Session Title: Localization Techniques (Wireless Sensor Networks Symposium)
Session Chair: Abdallah Shami, University of Western Ontario, Canada

1569713607: Indoor Localization System for First Responders in Emergency Scenario, Romeo Giuliano (Università di Roma Tor Vergata, RadioLabs, Italy); Franco Mazzenga (Università di Roma Tor Vergata, Italy); Marco Petracca (University of Rome "Tor Vergata", Italy); Marco Vari (University of Tor Vergata - Rome, Italy)

1569713869: Performance evaluation of DV-hop localization algorithm with mobility models for mobile wireless sensor networks, Jia Chao (Hohai University, P.R. China); Guangjie Han (Hohai University, P.R. China); Chuan Zhu (Hohai University, P.R. China); Hui Guo (Hohai University, P.R. China); Lei Shu (Guangdong University of Petrochemical Technology, P.R. China)

1569714397: Wireless Indoor Tracking of Livestock for Behavioral Analysis, Mikko Asikainen (University of Eastern Finland, Finland); Keijo Haataja (University of Eastern Finland, Finland); Pekka Toivanen (University of Eastern Finland, Finland)

1569717233: A Practical Ranging Method Using IR-UWB Signals, Tingting Zhang (Harbin Institute of Technology, P.R. China); Qinyu Zhang (Shenzhen Graduate School, Harbin Institute of Technology, P.R. China); Hongguang Xu (Communication Engineering Research Center, USA); Hong Zhang (Shenzhen Graduate School, Harbin Institute of Technology, P.R. China)

1569717597: An asynchronous UWB TDOA localization method, Hongliang Zou (Shenzhen Graduate School, Harbin Institute of Technology, P.R. China); Tingting Zhang (Harbin Institute of Technology, P.R. China); Qinyu Zhang (Shenzhen Graduate School, Harbin Institute of Technology, P.R. China)

**Technical Program of IEEE IWCMC 2013
Cagliari, Sardinia, Italy, July 1—5, 2013
Friday, July 5, 2013**

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3. The *International Journal of Autonomous and Adaptive Communications Systems (IJAACS)*
4. *KSII Transactions on Internet and Information Systems*
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