
Brazilian MRS Meeting (15.: 2016 : Campinas – SP)
XV Brazilian MRS Meeting Program book (SBPMat) / Sociedade Brasileira de Materiais
– Campinas : SBPMat, 2016.
380p

1. Materiais. 2. Pesquisa em materiais. I. Sociedade Brasileira de Materiais
– SBPMat. II. Título



Welcome message

On behalf of the board of the Brazilian Materials Research Society, B-MRS, I warmly welcome all the participants to its 2016 Meeting in Campinas, state of São Paulo. The B-MRS Annual Meeting has consolidated as a major event in Brazil and Latin America, in which high-level research and technology associated with all areas of materials science and engineering are discussed and disseminated. This year meeting will contain 20 symposia, 2 workshops and 2 tutorials on essential subjects to train young scientists. Attention paid to students and young researchers has been a hallmark of B-MRS to take advantage of the contributions of this vibrant community in our country. I should also mention the excellence of the 8 plenary speakers; I look forward to their lectures, which I am sure will be most inspiring. Following a tradition of holding the annual meeting in different regions of Brazil, Campinas was chosen for the 2016 for being one of the most important centers for science and technology in the country. May I end by thanking the organizers and sponsors of the 2016 B-MRS Meeting, wishing you all a very fruitful week in Campinas.

Oswaldo Novais De Oliveira Jr. (President of Brazil MRS)

Welcome to the XV Brazilian MRS Society Meeting

Dear Participants,

We would like to welcome you to the XV Brazil-Materials Research Society (B-MRS) Annual Meeting, to be held in September, 25-29, in Campinas, São Paulo. This year the meeting congregates almost 1500 participants, with 2142 accepted abstracts. Fifteen years after the first annual meeting of SBPMat, as it was called then, our figures are impressive, both for the large number of participants and abstracts as well as for the high quality of the scientific contributions, divided in oral and poster presentations. The current edition of the Annual Meeting covers almost all relevant research areas of Materials Science.

The XV B-MRS Annual Meeting is comprised of 20 Symposia, 2 workshops and 2 Tutorials. The program also includes 7 Plenary Lectures from the most prestigious scientists in cutting edge materials science. The Opening Ceremony, with a tribute to the memory of Prof. José Arana Varela, will be followed by the Memorial Lecture “Joaquim da Costa Ribeiro”; the renowned scientist Aldo Craievich will talk about the relevance and challenges on advanced materials characterization. Furthermore, in this Meeting program, three discussion panels will take place during lunchtime: Research in Germany, Meet the Editors and Materials Research and Innovation. In particular, the latter will discuss research, development and innovation in industry and the role of innovation agencies and startup ventures.

During the Closing Ceremony, the symposium organizers will honor students with the “Bernard Gross Award” for the best poster and best oral presentations of each Symposium. Awards from the European Materials Research Society (E-MRS) and the American Chemical Society (ACS) will be also granted for best posters and oral contributions.

On behalf of Organizing Committee, we would like to thank the Brazil-MRS staff and board, the funding agencies, the symposium organizers and the local committee members, for their commitment and great effort to make this Meeting possible.

We hope we can all enjoy a very hectic Meeting with stimulating exchange of scientific ideas and results, creating new insights and collaborations, to reach even further quality levels in Materials Science research.

Mônica A. Cotta and **Ana Flávia Nogueira**
Conference Chairs

Organizing committee

Conference Chairs

Ana Flávia Nogueira
IQ/UNICAMP

Mônica Alonso Cotta
IFGW/UNICAMP

Local Committee

Antonio José Roque da Silva (*LNLS*)
Antonio Riul Jr. (*IFGW/UNICAMP*)
Carlos César Bof Bufon (*LNNano*)
Celso A. Bertran (*IQ/UNICAMP*)
Christoph Deneke (*LNNano*)

Francisco das Chagas Marques (*IFGW/UNICAMP*)
Helio Tolentino (*LNLS*)
Jillian Nei Freitas (*CTI Renato Archer*)
Luiz Fernando Zagonel (*IFGW/UNICAMP*)
Talita Mazon (*CTI Renato Archer*)

Contents

| | |
|--|---------|
| Venue | 9 |
| Maps | 11 |
| General schedule | 13 |
| Memorial Lecture “Joaquim Costa Ribeiro” | 19 |
| Plenary talks | 20 |
| Discussion Panel..... | 23 |
| Technical lectures | 24 |
| Symposia summary | 27 |
| Symposia | 31 |
| SYMPOSIUM A - 2D Advanced Materials: Carbon/Graphene and NanoComposites | A-1 |
| SYMPOSIUM B - Nanocellulose materials: the keystone for a plethora of multifunctional applications | B-1 |
| SYMPOSIUM C - Symposium on complex advanced materials: from novel superconductors to magnetic nanostructures..... | C-1 |
| SYMPOSIUM D - Materials science at high-pressure conditions | D-1 |
| SYMPOSIUM E - X Brazilian Electroceramics Symposium | E-1 |
| SYMPOSIUM F - Advanced and Analytical Microscopy and Spectroscopy of Nanostructures and Engineering Materials..... | F-1 |
| SYMPOSIUM G - Applications of Neutrons to Materials Research..... | G-1 |
| SYMPOSIUM H - From atomistic to multiscale modeling: new developments and applications in Materials Science | H-1 |
| SYMPOSIUM I - Surface Science: fundamentals and models | I-1 |
| SYMPOSIUM J - Surface Science: Recent Developments in Technological Applications | J-1 |
| SYMPOSIUM K - Structure-properties Relationship of Advanced Metallic Materials | K-1 |
| SYMPOSIUM L - Advanced Materials and Devices for Organic Electronics and Bioelectronics | L-1 |
| SYMPOSIUM M - Plasmonics and Photonics in Nanostructured Materials | M-1 |
| SYMPOSIUM N - Advanced semiconductor and hybrid architectures | N-1 |
| SYMPOSIUM O - Materials and Devices for Third Generation Solar Cells..... | O-1 |
| SYMPOSIUM P - Materials for energy conversion and storage | P-1 |
| SYMPOSIUM Q - Nanotoxicology and Nanoregulation - the safe use of manufactured nanomaterials and 2nd Nanoreg Brazil Meeting | Q-1 |
| SYMPOSIUM R - Surfaces and Interfaces for Medical Applications, Biomaterials and Health | R-1 |
| SYMPOSIUM S - Biomaterials and Devices for Neuroscience | S-1 |
| SYMPOSIUM T - Self-Assembled Biological Structures for Electronic and Photonic Devices and Applications T-1 | T-1 |
| SYMPOSIUM U - University Chapter Symposium | U-1 |
| SYMPOSIUM V - Sustainable development of materials for advanced energy and electronics, extractive materials and transportation products | V-1 |
| AUTHOR INDEX..... | Index-1 |

Venue

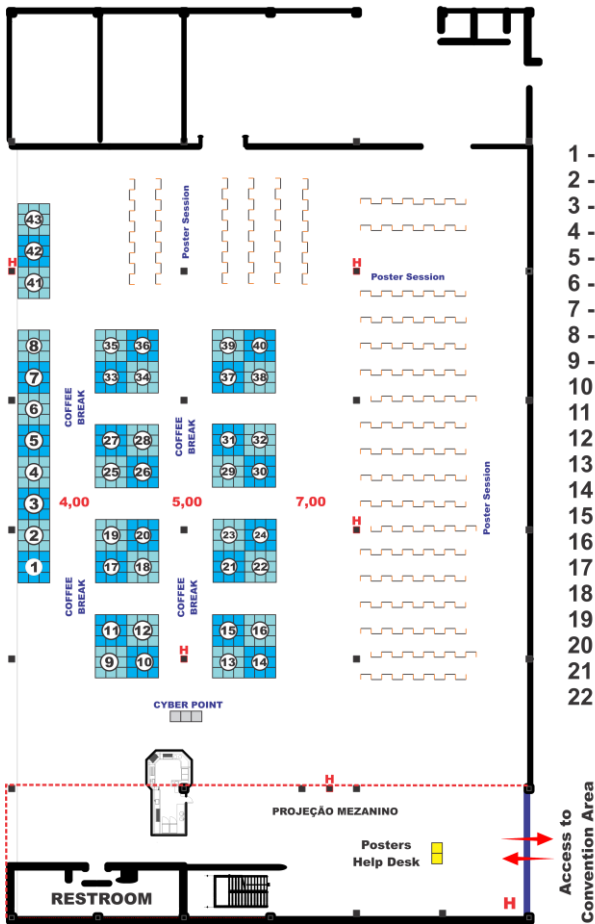
Founded in 1774, Campinas was an important agricultural center until the early twentieth century, with coffee and sugar cane plantations. In the 1930s, however, Campinas became a regional industrial center. Tenth richest city in Brazil, Campinas was the third city in the world to adopt the phone technology in 1883. Since then, science and technology have gained a major boost with the creation of several research institutions, such as the Agronomic Institute and the State University of Campinas (Unicamp), which in 2016 celebrates its 50th anniversary. The science park was further expanded with the installation of Renato Archer Information Technology Center and the National Center for Research in Energy and Materials, which houses the National Synchrotron Light Laboratory and the National Nanotechnology Laboratory, among others. Along the years, high-tech companies have gathered around these research centers, along with many important industries. As the third largest center of research and development in Brazil, Campinas generates today at least 15% of the whole national scientific production. Acknowledging the importance of Campinas in the country scientific scenario, in 2016 the Brazilian Materials Research Society chose this city to host the 15th edition of its annual meeting, the XV Brazil-Materials Research Meeting.

Maps

CONVENTION AREA



Exhibition Area



- | | |
|------------------------|--------------------------|
| 1 - ALTMANN | 23 - ANTON PAAR |
| 2 - METROHM | 24 - ANACOM |
| 3 - IOP | 25 - TESCO DO BRASIL |
| 4 - RAITH / HEIDELBERG | 26 - OXFORD INSTRUMENTS |
| 5 - RAITH / HEIDELBERG | 27 - MM VÁCUO |
| 6 - AVACO | 28 - RENISHAW |
| 7 - AVACO | 29 - BRUKER |
| 8 - ANALÍTICA | 30 - BRUKER |
| 9 - INSTRUTÉCNICA | 31 - BRUKER |
| 10 - INSTRUTÉCNICA | 32 - BRUKER |
| 11 - JEOL | 33 - AROTEC |
| 12 - EDWARDS | 34 - MBRAUN |
| 13 - AGILENT | 35 - RESEARCH IN GERMANY |
| 14 - AGILENT | 36 - DPUNION |
| 15 - KEYSIGHT | 37 - INTERPRISE |
| 16 - QUANTUM DESIGN | 38 - OERLIKON |
| 17 - REOTERM | 39 - USBIO / DAFRATEC |
| 18 - HORIBA | 40 - SIBRATEC NANO |
| 19 - OHMINI | 41 - CSI |
| 20 - ANALOG | 42 - TECH SCIENTIFIC |
| 21 - RIGAKU / DAIRIX | 43 - UNICAMP |
| 22 - RIGAKU / DAIRIX | |

General schedule

| | 25/set | 26/set | 27/set | 28/set | 29/set | |
|---|--|----------------------------------|----------------------------------|----------------------------------|---|--|
| 7:00 – 18:00 8:00 – 18:00 8:00 – 12:00 | | <i>Registration</i> | <i>Registration</i> | <i>Registration</i> | <i>Registration</i> | |
| 8:30 – 9:30 9:30 – 9:45 9:45 – 10:00 10:00 – 10:15 10:15 – 10:30 10:30 – 10:45 10:45 – 11:00 11:00 – 11:15 11:15 – 11:30 11:30 – 11:45 11:45 – 12:00 12:00 – 14:00 | | PLENARY | PLENARY | PLENARY | | |
| | | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | <i>Coffee Break</i> | |
| | | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | PLENARY | |
| | | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | | |
| | | LUNCH / Discussion Panel | LUNCH / Discussion Panel | LUNCH / Discussion Panel | <i>Room Transfer</i> <i>Closing ceremony</i> | |
| 14:00 – 14:15 14:15 – 14:30 14:30 – 14:45 14:45 – 15:00 15:00 – 15:15 | <i>School of Scientists & Hands on Tutorials</i> | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | <i>Oral sessions (Symposium)</i> | | |
| 15:15 – 15:30 15:30 – 15:45 15:45 – 16:00 16:00 – 16:15 16:15 – 16:45 16:45 – 17:45 | | | <i>Coffee Break</i> | | | |
| | | | PLENARY | PLENARY | PLENARY | |
| 17:45 – 19:30 | | <i>Registration</i> | POSTER SESSION | | | |
| 19:00 – 19:30 19:30 – 20:30 | | <i>Opening Session</i> | | | | |
| | | <i>Memorial Lecture</i> | | | | |
| 20:30 – 22:00 | | Cocktail | | | | |



Research in Germany

The Research in Germany initiative would like to invite the participants of the 15th Annual Meeting of the Brazilian Materials Research Society to the

Research in Germany – Science Lunch

to be held on Monday, September 26th, from 12:00 to 14:00 at Sala Araucária, Expo Dom Pedro.

Representatives of the German Research Foundation (DFG), the German Academic Exchange Service (DAAD) and the Alexander von Humboldt-Foundation (AvH), as well as the scientists Prof. Dr. Charles James Kirkpatrick, Prof. Dr. Norbert Koch and Dr. Hubertus Marbach will provide an insight into the German research landscape, funding schemes and collaboration opportunities. Afterwards, attendees will get the chance to mingle at different tables, chat on a one-to-one basis and seek in-depth advice.

Programme:

12:00 Introduction

12:05 Testimonial I:

Charles James Kirkpatrick, Emeritus Professor of the University of Mainz

12:12 Testimonial II:

Prof. Dr. Norbert Koch, Director of the Department of Physics at Humboldt University Berlin

12:22 Testimonial III:

Dr. Hubertus Marbach, Chair of Physical Chemistry II at Friedrich-Alexander University of Erlangen

12:32 Exchange and Fellowship Programmes of the German Academic Exchange Service (DAAD)

Anna Barkhausen, Director DAAD Information Centre São Paulo

12:42 Funding Programmes of the German Research Foundation (DFG)

Prof. Dr. Helmut Galle, DFG Liaison Scientist in Brazil

12:52 Opportunities at the Alexander von Humboldt-Foundation (AvH)

Prof. Dr. Alessandra Sussulini, Department of Analytical Chemistry at UNICAMP

13:02 Lunch and networking at the tables

The event will be held in English, is free of charge and includes food and beverages.

Please register using this link: <https://ssl.daad.de/limesurvey/538867/lang-en>

Sunday, September 25th

14:00 - 17:45 School of Scientists & Hands on Tutorials

17:45 - 19:30 Registration

19:00 - 19:30 Opening Session

19:30 - 20:30 Memorial Lecture

20:30 - 22:00 Welcome Cocktail

Monday, September 26th

07:00 Registration

8:30 - 9:30 Plenary talk - Aldo Felix Craievich (Room Auditório)

| Symposia | A | B | C | E | |
|--------------|------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | (Room Jequitibá) | (Room Jacarandá) | (Room Carvalhos I) | (Room Ipê) | |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 1 | Oral Session 1 | Oral Session 1 | Oral Session 1 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 2 | Oral Session 2 | Oral Session 2 | Oral Session 2 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 3 | Oral Session 3 | Oral Session 3 | Oral Session 3 |

| Symposia | F | I | N | P | |
|--------------|--------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | (Room Seringueira) | (Room Carvalhos III) | (Room Amoreira III) | (Room Amoreira I) | |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 1 | Oral Session 1 | Oral Session 1 | Oral Session 1 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 2 | Oral Session 2 | Oral Session 2 | Oral Session 2 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 3 | Oral Session 3 | Oral Session 3 | Oral Session 3 |

| Symposia | Q | R | U | RIG | |
|--------------|--------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | (Room Amoreira II) | (Room Carvalhos II) | (Room Cerejeira) | (Room Araucária) | |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 1 | Oral Session 1 | Oral Session 1 | Oral Session 1 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 2 | Oral Session 2 | Oral Session 2 | Oral Session 2 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 3 | Oral Session 3 | Oral Session 3 | Oral Session 3 |

16:15 - 16:45 Plenary talk - Lei Jiang (Room Auditório)

16:45 - 17:45 Coffee Break

17:45 - 19:30 Poster Session - Symposia: A, B, C, E, I, N, P, Q, R and U

19:30 - 22:00 Free

Tuesday, September 27th

08:00 Registration

8:30 - 9:30 Plenary talk - Susan B. Sinnott (Room Auditório)

| 9:45 - 16:15 | Symposia | A | C | E | F |
|---------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | (Room Jequitibá) | (Room Carvalhos I) | (Room Ipê) | (Room Seringueira) |
| | 9:45 - 10:45 | Oral Session 4 | Oral Session 4 | Oral Session 4 | Oral Session 4 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 5 | Oral Session 5 | Oral Session 5 | Oral Session 5 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| 14:00 - 16:15 | Oral Session 6 | Oral Session 6 | Oral Session 6 | Oral Session 6 | |

| 9:45 - 16:15 | Symposia | J | L | M | N |
|---------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | (Room Carvalhos III) | (Room Amoreira II) | (Room Cerejeira) | (Room Amoreira III) |
| | 9:45 - 10:45 | Oral Session 4 | Oral Session 4 | Oral Session 4 | Oral Session 4 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 5 | Oral Session 5 | Oral Session 5 | Oral Session 5 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| 14:00 - 16:15 | Oral Session 6 | Oral Session 6 | Oral Session 6 | Oral Session 6 | |

| 9:45 - 16:15 | Symposia | P | R | S | EXP |
|---------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | (Room Amoreira I) | (Room Carvalhos II) | (Room Jacarandá) | (Room Araucária) |
| | 9:45 - 10:45 | Oral Session 4 | Oral Session 4 | Oral Session 4 | Oral Session 4 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 5 | Oral Session 5 | Oral Session 5 | Oral Session 5 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| 14:00 - 16:15 | Oral Session 6 | Oral Session 6 | Oral Session 6 | Oral Session 6 | |

16:15 - 16:45 Plenary talk - Ado Jorio (Room Auditório)

16:45 - 17:45 Coffee Break

17:45 - 19:30 Poster Session - Symposia: A, F, J, K, L, P, R and S

19:30 - 22:00 Free

Wednesday, September 28th

07:00 Registration

8:30 - 9:30 Plenary - Ifor D.W. Samuel (Room Auditório)

| Symposia | A | D | G | H |
|--------------|------------------|----------------------------|----------------------------|----------------------------|
| | (Room Jequitibá) | (Room Ipê) | (Room Jacarandá) | (Room Seringueira) |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 7 | Oral Session 7 | Oral Session 7 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 8 | Oral Session 8 | Oral Session 8 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 9 | Oral Session 9 | Oral Session 9 |

| Symposia | J | K | L | M |
|--------------|----------------------|----------------------------|----------------------------|----------------------------|
| | (Room Carvalhos III) | (Room Amoreira III) | (Room Amoreira II) | (Room Carvalhos I) |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 7 | Oral Session 7 | Oral Session 7 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 8 | Oral Session 8 | Oral Session 8 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 9 | Oral Session 9 | Oral Session 9 |

| Symposia | O | R | EXP |
|--------------|-------------------|----------------------------|----------------------------|
| | (Room Amoreira I) | (Room Carvalhos II) | (Room Araucária) |
| 9:45 - 16:15 | 9:45 - 10:45 | Oral Session 7 | Oral Session 7 |
| | 10:45 - 11:15 | Coffee Break | Coffee Break |
| | 11:15 - 12:00 | Oral Session 8 | Oral Session 8 |
| | 12:00 - 14:00 | Lunch/ Discussion Panel | Lunch/ Discussion Panel |
| | 14:00 - 16:15 | Oral Session 9 | Oral Session 9 |

16:15 - 16:45 Plenary talk - Paul S. Weiss (Room Auditório)

16:45 - 17:45 Coffee Break

17:45 - 19:30 Poster Session - Symposia: D, G, H, J, K, L, M, O, R, T and V

19:30 - 22:00 Free

Thursday, October 29th

08:00 Registration

10:15 - 10:45 Coffee Break

10:45 - 11:45 Plenary talk - Anders Hagfeldt (Room Auditório)

11:45 - 12:00 Room transfer

12:00 - 14:00 Closing ceremony

Memorial Lecture “Joaquim Costa Ribeiro”

Sunday, September 25th

19:30 - 20:30



Aldo Felix Craievich

Instituto de Física da Universidade de São Paulo (USP), Brazil

Title: Advanced characterization of materials. Relevance and challenges

The most widely used experimental procedure for studying the structure of materials is X-ray diffraction.

The analysis of single-crystal X-ray diffraction patterns reveals the geometry of unit cells and the coordinates of the atoms inside them. The problem is that atomic structures determined by applying this technique are spatial and time averages of many local and instantaneous structures, respectively. Thus results derived from analyses of single-crystal X-ray diffraction patterns do not describe neither local structures of point, linear, surface and volume defects, nor instantaneous configurations of oscillating or, more generally, moving atoms.

However, the properties of many materials depend more strongly on the local configurations of structural defects than on the features of their spatially averaged structure. Characterizations of static and dynamical defects such as thermal atomic oscillations, quantum dots, stacking faults, strains and others were made possible by using X-ray diffuse scattering techniques, which analyze the weak diffuse intensity between Bragg peaks. The technique of diffuse X-ray scattering at small angles (SAXS) was applied by first time to study substitutional Cu clusters in Cu-doped aluminum (GP zones). In Brazil there are several SAXS setups installed in laboratories located most of them in São Paulo State and two SAXS beam lines in operation at LNLS, connected to its 1.37 GeV UVX synchrotron source. Diffuse X-ray scattering techniques yield useful information related to structural defects but they still only refer to space and time average structures.

The problem related to space and time averaging of structures determined by classical X-ray diffraction is expected to be solved by the use of recently developed new X-ray sources, namely X-ray free-electron lasers (XFEL) and fourth generation synchrotrons, which, under favorable conditions, allow the determination of (i) nearly instantaneous structures without time averaging and (ii) local structures without spatial averaging.

XFELs are now in operation in USA (LCLS) and Japan (SACLA) and under construction in Germany (European XFEL). These X-ray sources generate very short (tenths femtoseconds) and high power photon bunches, which totally destroy the sample but still produce useful diffraction patterns that may lead to the determination of nearly instantaneous structures. A pioneer serial crystallographic study of protein nanocrystals using an XFEL was conducted at LCLS while the first single-shot structural study of metal nanocrystals using only one ten-femtosecond XFEL pulse has been recently performed at SACLA. Another example of application of a modern synchrotron X-ray source to materials science – carried out at ESRF, France - is a time-resolved study of discontinuous crack propagation in silicon single crystals.

The first two fourth generation synchrotrons in the world are under construction, in Sweden (Max IV) and at LNLS, Campinas (Sirius). These sources are expected to produce X-ray beams with high lateral and longitudinal coherence lengths, thus allowing the determination of structures of crystalline and amorphous materials without spatial averaging. Max IV is currently being commissioned and will operate soon while Sirius is now under construction and will be open to users by 2019.

Novel applications of modern coherent X-ray sources require challenging developments of very stable optics systems, in situ preparation of nanoscopic samples, complex control systems, big-data analysis procedures and new advanced instruments such as fast detectors with high spatial resolution and dynamical range. Progresses in all these relevant issues are being achieved.

The expected opening of Sirius to users will certainly bring new, exciting and challenging research opportunities to Brazilian and international materials science communities.

Plenary talks

Monday, September 26th

8:30 - 9:30



Elvira Maria Correia Fortunato

Universidade de Lisboa (UL), Portugal

Title: Green electronics: a technology for a sustainable future

The evolution from rigid silicon-based electronics to flexible electronics requires the use of new materials with novel functionalities that allow non-conventional, low-cost and environmental friendly processing technologies. Among the alternatives, metal oxide semiconductors have brought to attention as backplane materials for the next generation of flat panel displays. After the huge success and revolution of transparent electronics and with the worldwide interest in displays where metal oxide thin films have proved to be truly semiconductors, display backplanes have already gone commercial in a very short period of time, due to the huge investment of several high profile companies: SHARP, SAMSUNG, LG and BOE. These materials have demonstrated exceptional electronic performance as active semiconductor components and can be tuned for applications where high transparency/electrical conductivity is demanded. The new paradigm of transparent electronics has attracted much interest as a novel technical solution in the field of the next generation of consumer electronics. The ultimate goal of this “see-through” device is to realize an integrated system equipped with ubiquitous functions of information storage, image display and networking, which strongly demands an embeddable transparent array of non-volatile memory.

In parallel we have been observing a rapid and growing interest concerning the utilization of biological materials for a wide range of applications. One of the most representative example is cellulose, not only in the form of raw material mainly for pulp and paper production, but also in the development of advanced materials/products with tailor-made properties, especially the ones based on nanostructures. In this presentation we will review the main applications of vegetal and bacterial cellulose in electronics, either as substrate (passive) or as a real electronic material (active), taking into account the expertise as well as the major developments already done at CENIMAT^{i3N} in the area of Paper Electronics.

Monday, September 26th

16:45 - 17:45



Lei Jiang

Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, School of Chemistry and Environment, Beihang University, China

Title: Smart Interfacial Materials from Super-Wettability to Binary Cooperative Complementary

Learning from nature and based on lotus leaves and fish scale, we developed super-wettability system: superhydrophobic, superoleophobic, superhydrophilic, superoleophilic surfaces in air and superoleophobic, superareophobic, superoleophilic, superareophilic surfaces under water. Further, we fabricated artificial materials with smart switchable super-wettability, i.e., nature-inspired binary cooperative complementary nanomaterials (BCCNMs) that consisting of two components with entirely opposite physiochemical properties at the nanoscale, are presented as a novel concept for the building of promising materials.

The smart super-wettability system has great applications in various fields, such as self-cleaning glasses, water/oil separation, anti-biofouling interfaces, and water collection system.

The concept of BCCNMs was further extended into 1D system. Energy conversion systems that based on artificial ion channels have been fabricated. Also, we discovered the spider silk's and cactus's amazing water collection and transportation capability, and based on these nature systems, artificial water collection fibers and oil/water separation system have been designed successfully.

Learning from nature, the constructed smart multiscale interfacial materials system not only has new applications, but also presents new knowledge: Super wettability based chemistry including basic chemical reactions, crystallization, nanofabrication arrays such as small molecule, polymer, nanoparticles, and so on.

Tuesday, September 27th

8:30 - 9:30



Susan B. Sinnott

Pennsylvania State University, USA

Title: Role of Atomic-Scale Modeling in Materials Design and Discovery

The discovery and design of new materials is the limiting factor to improve many existing technologies or to enable new applications. Material modeling methods across length scales are now widely applied and show promise for fulfilling the ultimate goal contained within the phrase “materials by design”. This presentation will review the evolution of some common material modeling methods and their integration with cutting-edge experimental methods as well as data informatics. Illustrative applications will be discussed within the context of metal/piezoelectric interfacial systems for electronic devices, new metal alloy design, novel two-dimensional and nanostructured systems, and the role of strain and dopants in the design of multifunctional materials. A future outlook of materials modeling within the context of material design and discovery will also be provided.

Tuesday, September 27th

16:345 - 17:45



Ado Jorio

Universidade Federal de Minas Gerais (UFMG), Brazil

Title: Inelastic light scattering in carbon nanostructures: from the micro to the nanoscale

Carbon nanotubes, graphene and amorphous carbons are prototypes for the development of nanometrology due to their unique mechanical and electronic structures, and due to their potential applications in different fields, such as biomedicine and soil science. The use of optics to address nanoscience is the use of a big probe to sense a tiny material because, in the visible, light is associated with wavelengths in the range of hundreds of nanometers to microns. Nanotechnology offers some solutions to overcome this measurement limitation, such as exploring resonance phenomena playing against the very low efficiency of a single nanostructure, or using plasmonics to localize light into nanometer sized areas.

In this talk I will discuss these aspects of nanoscale photo physics, addressing the evolution of Raman spectroscopy applied on carbon nanostructures, from the micro to the nanoscale.

Wednesday, September 28th

8:30 - 9:30



Ifor D. W. Samuel

University of St Andrews, St Andrews, U.K.

Title: Organic Semiconductor Optoelectronics

Organic semiconductors are a remarkable class of materials because they combine novel semiconducting optoelectronic properties with simple fabrication and the scope for tuning properties by changing their chemical structure. Their properties are very different from, and complementary to, their inorganic counterparts. For example they can be deposited from solution to make working electronic and optoelectronic devices. Advances in materials have enabled a wide range of advances in devices, and in the domain of optoelectronics, organic light-emitting diodes (OLEDs), solar cells and (optically pumped) lasers have been demonstrated. After an introduction to these materials, this talk will show how advances in this field are leading to new applications. In particular it will show how organic light emitting materials can be used for applications ranging from medicine to minefields. It will show how OLEDs can be used to treat many skin cancers, how organic lasers can be used to detect explosive vapour #9for humanitarian demining) and how organic semiconductors can be used for visible light communication.

Wednesday, September 28th

16:45 - 17:45



Paul S. Weiss

University of California Los Angeles UCLA, USA

Title: Cooperative Function in Atomically Precise Nanoscale Assemblies

We use molecular design, tailored syntheses, intermolecular interactions, and selective chemistry to direct molecules into desired positions to create nanostructures, to connect functional molecules to the outside world, and to serve as test structures for measuring single or bundled molecules. Interactions within and between molecules can be designed, directed, measured, understood, and exploited at unprecedented scales. Such interactions can be used to form precise molecular assemblies, nanostructures, and patterns, and to control and stabilize function. We selectively test hypothesized mechanisms by varying molecular design, chemical environment, and measurement conditions to enable or to disable function and control using predictive and testable means. Critical to understanding these variations has been developing the means to make tens to hundreds of thousands of independent single-molecule/assembly measurements in order to develop sufficiently significant statistical distributions, while retaining the heterogeneity inherent in the measurements. We measure the electronic coupling of the molecules and substrates by measuring the polarizabilities of the connected functional molecules. The next step in such devices is to learn to assemble and to operate molecules together, both cooperatively and hierarchically, in analogy to biological muscles. We discuss our initial efforts in this area, in which we find both interferences and cooperativity.

Thursday, October 29th

10:45 - 11:45



Anders Hagfeldt

Swiss Federal Institute of Technology Lausann (EPFL), Switzerland

Title: The Versatility of Mesoscopic Solar Cells

In our work on solid-state dye-sensitized solar cells (ssDSSC) we have recently shown that copper phenanthroline complexes can act as an efficient hole transporting material. We prepared ssDSCs with the organic dye LEG4 and copper(I/II)-phenanthroline as redox system and achieved power conversion efficiencies of more than 8%. For perovskite solar cells (PSC) our best performance is presently achieved with a mixed composition of iodide/bromide and methyl ammonium/formamidinium. We will report on our work on optimizing the solar cell efficiency that at present shows a certified efficiency of 21.0%. For cells larger than 1 cm² we recently certified a world record efficiency of 19.6%. With the use of an ALD deposited SnO₂ compact underlayer we have constructed a planar perovskite solar cell with a hysteresis free efficiency of above 18%. Based on this configuration we have in collaboration with the group of Prof. Bernd Rech, Helmholtz Zentrum Berlin, prepared a monolithic Perovskite/Silicon-Heterojunction tandem solar cell with an efficiency above 18%, pointing out a promising direction for further improvement of tandem cells using PSCs as one of the constituents. Another possibility for a tandem system has been investigated in collaboration with Prof. Segawa and co-workers in which a spectral split-cell, using a combination of a DSSC cell (with a wideband dye DX3) and a perovskite cell, demonstrated an efficiency of 21.5%.

Discussion Panel

Monday, September 26th

SESSION RIG (12:00 - 14:00) - Room Araucária

12:00 Research in Germany

Maxi Neidhardt

RIG.1

Tuesday, September 27th

SESSION ME (12:00 - 14:00) - Room Amoreira II

12:00 Meet the Editors

Osvaldo Novais Oliveira Jr¹; ¹Instituto de Física de São Carlos

ME.2

Wednesday, September 28th

SESSION IN (12:00 - 14:00) - Room Amoreira II

12:00 Materials Research and Innovation

Ruy Quadros¹, André Ferrarese², Vinicius Grassi³, Milton Mori¹; ¹Universidade de Campinas, ²Mahle Latin América, ³Braskem

IN.3

Technical lectures

Tuesday, September 27th

SESSION EXP1 (09:45 - 10:45) - Room Araucária

- 09:30 Advance your materials analysis using FTIR Imaging Microscopy** EXP1.1
Luciana Pataro¹; ¹Agilent
- 10:15 EnviroESCA - Fully Automated XPS Analysis under Environmental Conditions** EXP1.2
Thomas Stempel Pereira¹; ¹SPECS (Avaco)

SESSION EXP2 (11:15 - 12:00) - Room Araucária

- 11:15 The benefits of using complementary surface metrology approaches to improve speed and accuracy of surface characterization** EXP2.3
Albert Sánchez Laforet¹; ¹Anacom Científica

SESSION EXP3 (14:00 - 16:45) - Room Araucária

- 14:00 Bruker Nano Analytics - Benchtop Micro-XRF, TXRF and Electron Microscope Accessories** EXP3.4
Daniel Andrade¹; ¹Bruker Divisão BNA
- 14:45 Advanced Materials Characterization Tools by XRF and XRD – Study case of applications and technological advances** EXP3.5
João Fiori¹; ¹Bruker (BAXS)
- 15:30 New performance and automation of complex corrected microscopes** EXP3.6
Jan Ringnalda¹; ¹FEI

Wednesday, September 28th

SESSION EXP4 (09:45 - 10:45) - Room Araucária

- 09:30 Combining Rheometry with Spectroscopic methods – Benefits and Applications in Material Science** EXP4.7
Hans-Michael Petri¹, Gustavo Riether²; ¹Reoterm, ²Thermo Fisher
- 10:15 Maskless optical direct write lithography: equipment and applications** EXP4.8
Niels Resandt Wijnandts Van Resandt¹; ¹Heidelberg Instruments

SESSION EXP5 (11:15 - 12:00) - Room Araucária

- 11:15 Instrutécnica** EXP5.9
I Instrutécnica¹; ¹Instrutécnica

SESSION EXP6 (14:00 - 16:45) - Room Araucária

- | | |
|---|----------------|
| 14:00 The Solution for Advanced X-ray systems for material analysis <u>Danilo Massaki Oshima</u> ¹ , Pol De Pape ¹ ; ¹ Rigaku/Dairix | EXP6.10 |
| 14:45 How the R&D OPV can match the market? Possible solutions from lab-to-fab <u>Diego Bagnis</u> ¹ ; ¹ CSEM Brasil | EXP6.11 |
| 15:30 Electron Beam Lithography for nowadays most pressing research topics <u>Andre Linden</u> ¹ ; ¹ Raith America | EXP6.12 |

Symposia summary

(Nano)materials and Synthesis

| | |
|---|--|
| A: 2D Advanced Materials: Carbon/Graphene and NanoComposites | Paula Vilarinho (<i>University of Aveiro</i>) Dr. Pritesh Hiralal (<i>University of Cambridge</i>) Dr. Hanbin Ma (<i>University of Cambridge</i>) Emerson Camargo (<i>UFSCar</i>) Walter Katsumi Sakamoto (<i>UNESP</i>) Diogo Paschoalini Volanti (<i>UNESP</i>) Maria Aparecida Zaghete (<i>UNESP</i>) |
| B: Nanocellulose materials: the keystone for a plethora of multifunctional applications | Dr. Daniela Nunes (<i>Universidade Nova de Lisboa</i>) Dr. Ari Alastalo (<i>VTT Technical Research Centre of Finland LTD</i>) Dr. David Guerin (<i>Centre Technique du Papier</i>) Prof. Dr. Antonio José Felix de Carvalho (<i>USP</i>) |
| C: Symposium on complex advanced materials: from novel superconductors to magnetic nanostructures. | Marcelo Knobel (<i>IFGW - Unicamp</i>) Surender Kumar Sharma (<i>UFMA</i>) Pascoal José Giglio Pagliuso (<i>IFGW- Unicamp</i>) Marcos de Abreu Ávila (<i>GMQ-UFABC</i>) |
| D: Materials science at high-pressure conditions | Altair Sória Pereira (<i>UFRGS</i>) Elisa Maria Baggio-Saitovitch (<i>CBPF</i>) Narcizo M. Souza-Neto (<i>LNLS</i>) Paulo de Tarso Cavalcante Freire (<i>UFC</i>) |
| E: X Brazilian Electroceramics Symposium - In Honor to Prof. Dr. Jose Arana Varela | Marcelo Ornaghi Orlandi (<i>IQ-UNESP</i>) Manuel Henrique Lente (<i>UNIFESP</i>) Daniel Zanetti de Florio (<i>UFABC</i>) |
| Theory, Characterization and Modeling | |
| F: Advanced and Analytical Microscopy and Spectroscopy of Nanostructures and Engineering Materials | Guillermo Solorzano (<i>PUC-Rio</i>) Daniel Lorscheitter Baptista (<i>UFRGS</i>) |
| G: Applications of Neutrons to Materials Research | Eduardo Granado (<i>IFGW-UNICAMP</i>) Elisa Baggio-Saitovitch (<i>CBPF</i>) Cristiano Luis Pinto de Oliveira (<i>IF-USP</i>) Paulo F. P. Fichtner (<i>UFRGS</i>) |
| H: From atomistic to multiscale modeling: new developments and applications in Materials Science | Alexandre Fontes da Fonseca (<i>Unicamp</i>) Marília J. Caldas (<i>USP</i>) Pedro Venezuela (<i>UFF</i>) Paulo Cesar Piquini (<i>UFMS</i>) |
| I: Surface Science: fundamentals and models. | Abner de Siervo (<i>IFGW - UNICAMP</i>) Edmar A. Soares (<i>DF-ICEX UFMG</i>) Fernando Stavale (<i>CBPF</i>) Pedro Augusto de Paula Nascente (<i>DEMA-UFSCar</i>) |

J: Surface Science: Recent Developments in Technological Applications

Marcelo Eduardo Huguenin Maia da Costa (*PUC-Rio*)

Carlos Alejandro Figueroa (*UCS and Plasmar Tecnologia*)

Sergio de Souza Camargo Jr (*COPPE and Escola Politécnica UFRJ*)

Maria de Fátima Brito Souza (*Unicamp*)

K: Structure-properties Relationship of Advanced Metallic Materials

Leonardo Barbosa Godefroid (*UFOP*)

Waldek Wladimir Bose Filho (*USP*)

Luiz Carlos Rolim Lopes (*UFF*)

Electronics and Photonics

L: Advanced Materials and Devices for Organic Electronics and Bioelectronics

Lucas Fugikawa Santos (*UNESP*)

Ivan H. Bechtold (*UFSC*)

Frank Nelson Crespilho (*USP*)

Gregório Couto Faria (*USP*)

Welber Gianini Quirino (*UFJF*)

M: Plasmonics and Photonics in Nanostructured Materials

Lazaro A. Padilha (*UNICAMP*)

Luciana Reyes Pires Kassab (*FATEC-SP*)

Zakya H. Kafafi (*Lehigh University*)

Diogo Burigo Almeida (*University of Michigan*)

Cid Bartolomeu de Araújo (*UFPE*)

N: Advanced semiconductor and hybrid architectures

Carlos César Bof Bufon (*LNNano/CNPEM*)

Christoph Deneke (*LNNano/CNPEM*)

Shay Reboh (*LETI*)

Energy and Sustainability

O: Materials and Devices for Third Generation Solar Cells

Prof. Monica Lira-Cantu (*Catalan Institut of Nanoscience and Nanotechnology (ICN2)*)

Prof. Francisco das Chagas Marques (*Unicamp*)

Prof. Lucimara Stolz Roman (*UFPR*)

P: Materials for energy conversion and storage

Sydney Ferreira Santos (*UFABC*)

Carlos Moyses Araujo (*Uppsala University*)

Adam Duong (*Université du Québec à Trois-Rivières*)

Fabio Henrique de Barros Lima (*USP*)

Q: Nanotoxicology and Nanoregulation - the safe use of manufactured nanomaterials and 2nd Nanoreg Brazil Meeting

Valtencir Zucolotto (*USP*)

Nelson Durán (*Unicamp*)

Wagner José Favaro (*Unicamp*)

Juliana Cancino Bernardi (*USP*)

Biomaterials and Soft Materials

R: Surfaces and Interfaces for Medical Applications, Biomaterials and Health

Diego Mantovani, PhD, FBSE (*Laval University*)

Marisa Beppu, PhD (*Unicamp*)

Victor M. Castaño, PhD (*Universidad Nacional Autonoma de Mexico*)

S: Biomaterials and Devices for Neuroscience

Roberto Ricardo Panepucci (*CTI*)

Roberto Maria Covolan (*Unicamp*)

Hercules Neves (*Unitec and Uppsala University*)

T: Self-Assembled Biological Structures for Electronic and Photonic Devices and Applications

Wendel Andrade Alves (*UFABC*)

Suchi Guha (*University of Missouri*)

Susana Inés Córdoba de Torresi (*USP*)

Luiz Henrique Dall'Antonia (*UEL*)

Workshops

U: University Chapter Symposium
Tiago Carneiro Gomes (*UNESP*)
Bruna Carolina Costa (*UNESP*)
João Paulo Almeida de Mendonça (*UFJF*)
Marcella Rocha Franco (*UFOP*)
Jefferson da Silva Martins (*UFJF*)

V: Sustainable development of materials for advanced energy and electronics, extractive materials and transportation products
Peter William Bryant (*IBM*)
Rodrigo Fernando Bianchi (*UFOP*)
Rodrigo Neumann Barros Ferreira (*IBM*)
Roberto Mendonça Faria (*USP*)
Ronaldo Giro (*IBM*)

Tutorials

X: Hands-on tutorial on simulations using Reactive ForceFields: overview and applications
Alexandre Fontes da Fonseca (*Unicamp*)
Marília J. Caldas (*USP*)
Pedro Venezuela (*UFF*)
Paulo Cesar Piquini (*UFMS*)

Z: School of Scientists: Scientific Writing Tutorial
Valtencir Zucolotto (*USP*)

Symposia

(Nano)materials and Synthesis

Symposium A: 2D Advanced Materials: Carbon/Graphene and NanoComposites

Scope of the Symposium: This symposium will focus on progress and frontiers of fundamental and applied Science of Carbon/Graphene nanostructures (CNS) and other two-dimensional (2D) nanomaterials, related materials and composites. The composites prepared with carbon nanostructures and organic or inorganic compounds, as well as by combination of inorganic/organic compounds results in development of new functional materials with specific properties. These composites materials will have important roles in nanotechnology engineering as well as their application in different technological areas. Contributions related to techniques that offer advanced processing, superior properties with particular emphasis in low temperature processing, energy harvesting applications, as well as flexible electronics and surface functionalization are welcomed.

The symposium is also intended to provide a forum for scientists and engineers working in the nanocarbon and related materials, energy and related fields to exchange ideas on novel energy conversion, energy storage, and integration techniques, including viable manufacturing technologies. Papers are invited on both fundamental and applied aspects of advanced electrochemical power sources, namely batteries, super capacitors and fuel cells, in relation to carbon and related materials synthesis and characterization, devices and evaluation, and integration and testing with reference to wearable electronics.

Abstracts will be solicited in (but not limited to) the following areas:

- Synthesis and chemical modification methods (example: low temperature processing)
- Novel low dimensional materials,
- Inorganic-organic hybrid composites
- Structural, electrical, mechanical and optical characterization of CNS and 2D materials
- Electronic and optical properties
- Carbon/Graphene, 2D materials and related materials integration and devices (Rigid and flexible substrate technologies)
- Biomedical, thin film power electronic and thin film batteries applications
- 2D nanostructures for energy storage or applications (example: Harvesting energy)
- New physical and chemical properties of 2D materials
- General properties of 2D layered oxides, nitrides and sulfides

Symposium B: Nanocellulose materials: the keystone for a plethora of multifunctional applications

Scope of the Symposium: Nanocellulose is categorized as a renewable source of materials that displays remarkable physical properties together with low toxicity and cost production, earth-abundance and biocompatibility, leading to its use in different applications, ranging from electronic to medical and pharmaceutical devices, together with its integration in other systems acting as a composite. The symposium aims at giving an overview on recent advances of nanocellulose materials, as well as other biopolymers and composites, together with the large range of applications where the optimized materials

can be incorporated. Furthermore, all extraction or production routes of nanocellulose/biopolymers (plants, animals, and bacteria) will be considered.

Abstracts will be solicited in (but not limited to) the following areas:

- Nanocellulose, biopolymers and composites
- Nanocellulose/biopolymers extraction and production emerging routes together with nanomanufacturing options
- Structural and physical property characterization of nanocellulose, biopolymers and composites
- Biodevices such as biosensors, microfluidics and related applications
- Electronic and energy devices such as flexible electronics, solar cells, batteries, and so on

Symposium C: Symposium on complex advanced materials: from novel superconductors to magnetic nanostructures

Scope of the Symposium: The emergence of complex collective phenomena in condensed matter defines one of the most interesting challenges in Physics and one of the areas with highest potential for practical applications. Examples of such phenomena are superconductivity, complex magnetic ordering and Kondo-like behavior, which stem from a coupling between the micro- and macroscopic worlds materialized on the mesoscopic scale. The scientific objective of the symposium is to pursue a series of events worldwide to discuss materials where emergent phenomena can be observed. Among the systems that will be debated are complex oxides, superconductors, superconducting/ferromagnetic hybrids, and heavy-fermion, thermoelectrical and multifunctional materials. Since the phenomena are rooted in the nanoscopic scale, we will give particular attention to small-sized systems. In fact, nanoscale materials (such as heterostructured magnetic nanoparticles with e.g., core-shell, dumbbell, or dimer architectures) have raised considerable interest in basic research as well as potential industrial applications due to their broad range of novel and enhanced properties. Notably, one of the major challenges in the synthesis of complex multiphase nanoscale materials is how to design and prepare the chosen structure with desired multifunctionality.

As such, the design, synthesis and characterization of complex advanced materials in bulk and nanostructured form and the current understanding of the emergent complex collective phenomena that govern their physical properties will be the focus of this symposium.

Abstracts will be solicited in (but not limited to) the following areas:

- Kondo physics in bulk materials and nanoscale structures
- Complex Oxides: Ferroics, multiferroics and Rare Earth based magnetic oxide
- Superconductivity and magnetism, including exotic superconductivity
- Topological Insulators and metal-insulators transitions
- Heavy Fermion Physics including Valence and charge fluctuations
- New Materials Design and advanced materials characterization techniques
- Thermoelectrical and multifunctional materials
- Granular magnetic nanoparticles, superparamagnetism & related properties
- Magnetic nanohybrids, related properties & applications
- Dipolar Interactions in magnetic nanosystems, Bimagnetic heterostructured nanoparticles, Spin polarization and charge transfer mechanism, Magnetic nanohybrid catalyst, Biomedical Applications and Exchange coupled magnets

Symposium D: Materials science at high-pressure conditions

Scope of the Symposium: The symposium will be an interdisciplinary meeting for discussing recent trends and developments in the science of materials submitted to extreme conditions of pressure. The development and dissemination of new experimental, computational and theoretical tools have enormously increased the

possibility to exploit how this fundamental thermodynamic parameter affects the physics and chemistry of different materials. The proposal is bring together basic and applied researchers working in this field, using high-pressure in a broad spectrum of approaches, including: study of basic materials properties, induction of electronic, magnetic and structural changes, production of novel materials, development of materials processing and analytical techniques, theoretical modeling and use of the state of the art computational tools.

Abstracts will be solicited in (but not limited to) the following areas:

- Electronic, magnetic and transport properties
- Superconductivity and correlated phenomena
- Crystallography at extreme conditions
- Nanoscience and nanotechnology
- Spectroscopic and structural studies
- High pressure chemistry
- Pressure-induced phase transformations
- Instrumentation for the study of materials under high pressure
- Materials processing
- Theoretical models and computing tools

Symposium E: X Brazilian Electroceramics Symposium - In Honor to Prof. Dr. Jose Arana Varela

Scope of the Symposium: Electroceramics is an important interdisciplinary research area involving mainly physicists, chemists and engineers. Electroceramics is a very attractive area in Materials Science. It is large the number of journals and meetings with publication of many papers with potential technological impact. New materials with outstanding properties and potential technological applications together with old materials presenting enhanced properties offer a broad field of research opportunities. This symposium, organized by the Brazilian-MRS intends to be a forum for all researchers and students (undergraduate, M. Sc., PhD and Pos-Docs) on electroceramics. The state-of-the-art of R&D on electroceramic materials will be focused with reviews of the present knowledge and forecasts for future developments. Emphasis will be put on the opportunities for interactions and experiences exchange among researchers. Several features of R&D on electroceramics, including novel processing, experimental procedures and technological applications will be considered.

Abstracts will be solicited in (but not limited to) the following areas:

- Synthesis and Processing (powder synthesis, thin and thick film processing, self-supported structures, multilayer structures, heterostructures, nanostructures, sintering and microstructure development, grain boundary engineering, ceramic matrix composites)
- Characterization (dc and ac standard electrical measurements, electrochemical impedance spectroscopy, transport phenomena and diffusion, defects in electroceramics, X-ray diffraction, neutron diffraction, electron microscopy, focus ion beam, Raman spectro)
- Applications (dielectrics, ferroelectric memories, piezoelectrics, non-lead electroceramics, electrical ceramics, magnetic ceramics, ceramic superconductors, ionic-electronic mixed conductors, spintronics, sensors, actuators, transducers, varistors, soli

Theory, Characterization and Modeling

Symposium F: Advanced and Analytical Microscopy and Spectroscopy of Nanostructures and Engineering Materials

Scope of the Symposium: The symposium aims at providing a forum for researchers interested in applying advanced methods of electron microscopy and spectroscopy, including aberration-corrected electron microscopy, and in-situ characterization in the various fields of microscopies to materials research. Nowadays, this approach is of fundamental and increasing importance in different technology fields, such as electronics, optics, communications, magnetics, energy and environment and covering the wide spectrum from nanostructures in functional materials, soft matter and bioscience to structural engineered materials for industrial infrastructure. Materials research on thin films, bulk materials, surfaces, materials at the nanoscale and at the interface between physical and life sciences is of prevailing interest because of its fundamental importance in understanding the chemical and physical and life properties of materials and in evaluating their potential for technological applications. Advanced microscopic and related spectroscopic techniques play a crucial role in characterizing the microstructure/nanostructures and the structure-property relationships of materials, as well as in metrology. Current topics will be highlighted in keynote presentations given by leading invited experts. Contributions in the topics indicated below and related are welcome.

Abstracts will be solicited in (but not limited to) the following areas:

- Applications of analytical electron microscopy in electronics, optics, communications, magnetics, energy and environment
- Phase identification and defect analysis in bulk structural materials
- Nanostructures in functional materials, soft matter and bioscience
- Materials research on thin films, surfaces, materials at the nanoscale
- In situ dynamic studies in the electron microscope, e-TEM
- Electron microscopy characterization on nanoparticles and nano-objects
- Applications in analytical tools, spectroscopy: EDS, EELS, PL/cathode luminescence, Raman
- Advanced imaging/analytical techniques: EBSD, EFTEM, spectrum imaging
- New developments in scanning probe microscopy/spectroscopy: AFM, STM and applications in materials research

Symposium G: Applications of Neutrons to Materials Research

Scope of the Symposium: Neutron-based techniques, including diffraction, small angle scattering, inelastic scattering, radiography, reflectivity, among others, have contributed strongly to some of the most serious challenges society is facing, such as agriculture, earth sciences, energy, environment, heritage, information technology, medicine and nanotechnology. Much of the development of neutron sciences around the globe has been led by materials scientists and condensed matter physicists attracted by the neutron sensitivity to nuclear and magnetic structure, correlation and dynamics, as well as its complementarity with respect to x-rays. In the regional setting, the ongoing RMB (Reator Multipropósito Brasileiro) and RA-10 enterprises to build new research reactors in Brazil and Argentina open a window of opportunities for the development of a robust neutron users community in the region. In this symposium, experts will review the properties of free neutrons that make them suitable for research on materials, and present contemporary examples of applications of neutron-based techniques to materials science problems.

Abstracts will be solicited in (but not limited to) the following areas:

- Small Angle Scattering (neutrons or x-rays)
- Diffraction (neutrons or x-rays)

- Radiography (neutrons or x-rays)
- Inelastic scattering (neutrons or light)
- Irradiation damage (neutrons or ions)
- Magnetism
- Crystallography
- Neutron sources
- Reflectivity (neutrons or x-rays)
- Stress/strain

Symposium H: From atomistic to multiscale modeling: new developments and applications in Materials Science

Scope of the Symposium: Theoreticians in Materials Science are living an exciting time. Advances in laboratory technologies are allowing experimentalists to provide high quality data regarding the structure-property relationships of novel materials. Unexpected achievements as the synthesis of nanostructures whose properties have been predicted several years or decades ago, as in case of the so called graphynes, and the re-discovery of special properties of known materials, as in the case of perovskites, are now becoming reality. Hierarchical carbon nanostructured materials, metal-organic-frameworks (MOFs), organic/inorganic composites, self-assembled structures, two-dimensional materials, surfaces, interfaces, etc., are all examples of actual materials and phenomena of great potential for applications in science and technology. Architected shapes of known materials, like origami and kirigami nanostructures or porous solids made of known coiled materials, are providing new ideas to the development of new applications. The aim of this symposium is to address theoretical and computational efforts to provide advances in the investigation of properties of known promising materials, and to present predictions of new materials. New methods, protocols and theories regarding the discovery of materials and prediction of their properties are welcome. Theoretical works based on or dealing with experimental data are encouraged to be submitted to this symposium. Use of atomistic, quantum or classical molecular modeling and dynamics, coarse-grained, mesoscale, and continuum methods and approaches, as well as multiscale strategies to solve problems and describe materials properties, are all welcome. This symposium is dedicated to bring scientists together to examine the current understanding, state-of-the-art, and future trends of these exciting fields.

Abstracts will be solicited in (but not limited to) the following areas:

- Classical reactive and non-reactive force-fields for Molecular Dynamics
- New developments in Density Functional Theory DFT and Generalized DFT
- New developments for electronic and optical properties, on top of DFT or Hartree-Fock (TD-DFT, GW, Bethe-Salpeter)
- Large scale ab initio simulations
- Multiscale modeling
- Organic or hybrid organic/inorganic nano-materials
- Energy harvesting or conversion
- Nanostructured materials, including self-assembly and design
- Surfaces, interfaces, catalysis, sensors, magnetism, bio-nano-materials, etc.

Symposium I: Surface Science: fundamentals and models

Scope of the Symposium: Nowadays surface science is a multidisciplinary area devoted to understand fundamental phenomena in nature which are essential for the development of many advanced materials and technological applications. It has been subject of interest in many fields of science and technology. The recent advances on the understanding of surfaces and interfaces properties such as surface energy, wettability, adhesion, super hydrophobicity and super hydrophilicity, monolayers and the development of

theoretical models, by the use of modern and powerful techniques and methods, have opened new horizons in this fascinating area for scientist from academia and industry. The aim of this symposium is to discuss the recent advances in the fundamentals and theoretical models in surface science and to promote the exchange of ideas and knowledge among scientist working in this area, bringing together physicists, chemists, material scientists and engineers.

Abstracts will be solicited in (but not limited to) the following areas:

- Electronic and atomic structure of surfaces and interfaces
- Two dimensional and layered materials
- Deposition and growth
- Self-assembled monolayers
- Surface/Interface engineering and functionalization
- Wettability and Surface energy
- Fundamentals of surface modification and deposition processes
- Adhesion and repellency.
- Macro and nano tribology
- Advanced surface Characterization

Symposium J: Surface Science: Recent Developments in Technological Applications

Scope of the Symposium: Surface science has been object of great interest both from a fundamental and technological point of views, targeting specific actions as super hydrophilicity, super hydrophobicity, self-cleaning and self-healing abilities and applications. The results of this intense research are present in our modern society in many technological areas, ranging from industrial processes through construction, architecture and aviation. The aim of this symposium is to gather together researchers working in the development of technological applications involving surface science. Physicists, chemists, material scientists, and mechanical, material, metallurgical and mining engineers with interest in this area are the target audience. The symposium intends to embrace many topics, focused in development and application of: nanostructured coatings, super hydrophobic and super hydrophilic surfaces, surface modification, physical and chemical routes of synthesis, characterization and properties of protective coatings and modified surfaces, SLIPS materials and MEMS/NEMS interfaces.

Abstracts will be solicited in (but not limited to) the following areas:

- SLIPS (slippery liquid infused porous surface)
- Chemical and Physical routes to synthesis
- Nano-structured coatings
- Surface modifications induced by energetic techniques (CVD, plasma, laser)
- Characterization and properties of protective coatings
- Smart and self-repairing surfaces
- Surfaces with self-cleaning ability
- Advances in Surface/Interface characterization and analysis.
- Super-hydrophobic and super hydrophilic surfaces
- Coatings for Industrial activity

Symposium K: Structure-properties Relationship of Advanced Metallic Materials

Scope of the Symposium: The search for new materials with improved properties now occupies an important position in the engineering world. A number of procedures have been recently proposed to aid

the development of materials science and engineering. For example, the advents of the scanning tunneling microscope and the atomic force microscope, together with developments in electron microscopy, have opened new ways for the study of structure materials at the nano-scale. Advances in the field of fracture mechanics and its application to structural design and material selection have helped to offset some of the potential dangers posed by increasing technological complexity, and have undoubtedly prevented a substantial number of structural failures. The development of thermo-mechanical processing in steel industry changed the traditional concept of deformation processing, when the single operation to reduce thickness and to provide a desirable shape has been improved to produce specific microstructures, with which are associated particular mechanical and physical properties. This Symposium deals with these topics, to show some of the new most important scientific and technological advances in materials science and engineering. The Symposium seeks to bring together experts from academia and industry, through various multi-disciplinary themes. This is an event that has grown in public and in quality since its launch in 2009.

Abstracts will be solicited in (but not limited to) the following areas:

- Techniques for microstructure and properties characterization
- Fracture mechanics applied to structural integrity
- Light alloys (Al, Mg, Ti) for automotive and aeronautical applications
- Recent developments in steels for automotive industry and for gas/oil pipelines
- Materials to resist fatigue and creep
- Recent technologies for welding procedures

Electronics and Photonics

Symposium L: Advanced Materials and Devices for Organic Electronics and Bioelectronics

Scope of the Symposium: This symposium is dedicated to unite the views in physics, chemistry, biochemistry, materials science and engineering on applications of advanced materials and devices for organic electronics and bioelectronics. The growth of organic electronics in the last decade permitted the development of a great number of possible applications as flexible, stretchable and printed electronic/optoelectronic devices, as well devices which can interface biological systems or perform chemical or biochemical sensing and stimulation. The interest topics include chemical synthesis of advanced functional materials, processing techniques for the achievement of new device structures, organic/hybrid compounds and devices, structure fabrication at micro- or nanoscale, interface properties, molecular spectroscopy, film morphology, chemical or biochemical detection, electronic/photonic properties and theoretical approaches to understand supramolecular structures and devices. The symposium encourages the submission of papers comprising applications of organic/hybrid materials, such as: organic light-emitting diodes, field-effect transistors, electrochemical transistors, organic photovoltaics, integrated circuits, non-volatile memories, sensors, actuators and detectors.

Abstracts will be solicited in (but not limited to) the following areas:

- Synthesis of conjugated molecules and polymers, hybrid materials and compounds
- Theoretical modeling of conjugated molecules, polymers and organic devices
- Photonics, photophysics, and photochemistry of conjugated molecules and polymers
- Liquid crystal materials for organic electronics
- Flexible, stretchable, wearable and printed devices
- Natural/biocompatible electronic materials
- Strategies to interface biological molecules to organic devices
- Organic optoelectronics for optical and/or electrical sensing and stimulation

- Biosensors, microfluidics and biomimetic systems
- Biofuel Cells and Electrochemical Biosensors

Symposium M: Plasmonics and Photonics in Nanostructured Materials

Scope of the Symposium: For the last few decades, colloidal and plasmonic nanomaterials have gone from simple quantum dots and metallic nanoparticles to more complex nanostructures such as core/shell, plasmonic-semiconductor hybrids, etc. Those novel nanomaterials emerged not only as interesting new scientific curiosities but also as promising new platforms for the development of new technologies, expanding from clean and renewable energy, biosensors to medicine. The scope of the symposium is based on recent results of nanoparticles preparation for photonic and biophotonic applications, linear and nonlinear optics in nanocomposite materials, new concepts and fabrication methods of colloidal nanomaterials and plasmonic waveguides, new techniques for plasmon characterization, magnetic, structural and electronic properties using novel probing tools and engineering of new nanostructures.

Abstracts will be solicited in (but not limited to) the following areas:

- Novel routes for dielectric and metallic nanoparticle preparation; engineering of new metallic nanoparticles for photonic devices
- Synthesis of quantum dots and other colloidal nanomaterials
- Plasmonics, hybrid metal-semiconductor nanostructures, and other heterostructures
- Optical characterization, spectroscopy, and non-linear optical properties
- Plasmonic waveguides
- Modeling and theoretical studies of electronic structures, transport, many-body effects
- Nanomaterials applied to biology, biophotonics, bioelectronics, and medicine
- Nanomaterial based devices: novel architectures, performance optimization

Symposium N: Advanced semiconductor and hybrid architectures

Scope of the Symposium: The symposium aims to gather researcher working on semiconductor as well as inorganic-organic hybrid architectures. Whereas classical semiconductor growth, fabrication and device processing builds the fundament of an advanced nanotechnology with broad applications, extensions to the classical planar semiconductor concepts have been proposed and established in the last years. These include the growth of non-planar structures, advanced 2D materials like semiconductor nanomembranes, the use of self-formed 3D nanostructures (nanowires) as well as advanced hybrid systems combining classical inorganic materials with organic semiconductors for a new device generation.

The symposium offers a forum, where these communities can meet and discuss these novel approaches from material growth and characterization, over nanostructure fabrication to complete device architectures.

Abstracts will be solicited in (but not limited to) the following areas:

- Advanced materials for Silicon technology: Semiconductor-On-Insulator, high mobility materials, strained Si, SiGe and SiC alloys, high-k and low-k dielectrics, gate stack, doping, metallization, epitaxy, materials integration.
- Thin-films technology and characterization: MBE, PECVD, LPCVD, ALD, Magnetron sputtering
- Surfaces and interfaces
- III-V semiconductors, Group III Nitrides and Dilute Nitride Semiconductors, Silicon Carbide, Oxide Semiconductors and other compound semiconductors
- Devices: CMOS scaling and alternative architectures, flexible electronics, sensors, micro and nanoelectromechanical systems (MEMS/NEMS)

- Low dimensional semiconductor and interconnect structures: two, one and zero dimensional systems, quantum wells
- New materials for electronics and photonics
- Organic electronics: electronic polymers, molecular devices, OLEDs.
- Nanomembranes architectures and devices

Energy and Sustainability

Symposium O: Materials and Devices for Third Generation Solar Cells

Scope of the Symposium: This symposium is dedicated to contributions in the development of new materials and devices applied to conversion of solar energy into electrical and chemical energy. All areas of photovoltaic research are welcome, including the development of novel materials, device fabrication, modules and solar panels, grid integrated solar energy, device stability and standardization. Special emphasis is dedicated to hybrid materials and nanomaterials used in third generation solar cells, artificial photosynthesis. This symposium opens the opportunity to meet experts in the field of energy conversion to discuss new concepts, trends, novel materials and their properties and developments in science and technology.

Abstracts will be solicited in (but not limited to) the following areas:

- Perovskite based solar cells
- Dye Sensitized solar cells, Organic (Polymer and small molecule) Solar Cells and Quantum dots Solar Cells, Thin film solar cells, Silicon, CdTe, CIGS and related materials.
- New perovskite materials,
- New hole and electron transport materials (metal oxides, graphene and 2D semiconductors) for next generation photovoltaics
- Carbon nanotubes, fullerenes, graphene and related materials applied to solar cells
- Materials for down conversion/up conversion processes.
- Advances in materials design and control, bandgap engineering, quantum confinement, and plasmonic effects to enhance the solar energy device conversion (Photoelectrochemical devices).
- Device fabrication and processing.
- Device stability and standardization
- Theoretical approaches to designing and discovering novel concepts for solar energy conversion.

Symposium P: Materials for energy conversion and storage

Scope of the Symposium: This symposium is dedicated to contributions regarding the development of materials applied to different forms of energy conversion and energy storage. Research areas related to hydrogen storage, secondary batteries, solar cells, photo-electrochemistry, fuel cells, catalysis and electrocatalysis, investigated by means of theoretical or experimental approaches, are welcome. Special emphasis is devoted to advanced materials and nanostructures for energy-related applications. This symposium brings together Brazilian and others experts in the world in several aspects of energy materials opening possibilities of valuable discussions of new concepts, trends and technologies of energy conversion and storage and is also a valuable opportunity to strength on-going collaborations, prospect new collaborations and build-up research networks.

Abstracts will be solicited in (but not limited to) the following areas:

- Nanostructured carbon materials applied to energy storage and conversion
- Materials for hydrogen storage (metal hydrides, MOFs, zeolites, conducting polymers, etc.) and storage of other gas fuels

- Quantum dots, nanowire, nanoparticles and other nanostructures for energy conversion and storage
- Characterization techniques for energy materials
- First principle approaches in materials for energy storage and conversion
- Thermodynamic properties of materials for energy storage and conversion
- Reaction kinetics in energy materials
- Energy storage and conversion devices and smart grids

Symposium Q: Nanotoxicology and Nanoregulation - the safe use of manufactured nanomaterials and 2nd Nanoreg Brazil Meeting

Scope of the Symposium: Nanotechnology is a strategic industrial and economic sector showing enormous potential benefits for many society and environmental domains. The lack of scientific knowledge and the absence of evidence demonstrating the safety of some nanomaterials make regulation a challenge. Various agencies around the world are providing specific regulatory guidelines for such materials before their commercialization. In this context, toxicology studies are providing information to guide regulatory decisions toward developing a safety regulatory network to enable the marketing of products. In this context, we would like to propose the symposium "Nanotoxicology and Nanoregulation - the safe use of manufactured nanomaterials". This symposium will be the second nanotoxicology meeting in SBPMat-Brazil that will discuss the toxicology aspects of nanomaterials, which is increasing over the world by international conferences that has included Nanosafe and Nanotoxicology. Moreover, it will be the opportunity to the NanoReg Brazil meeting. The symposium welcomes all researchers in the field of Nanoscience and Nanotechnology that is interesting in the toxicology field. Brazilian and Europeans researchers, in particular, are invited to participate in the symposium as a way of identifying partners and potential collaborative projects between Brazil and EU, following the collaborative research program launched in 2014 by Ministry of Science, Technology and Innovation of Brazil (MCTI) and Inmetro. The symposium will create opportunities for participants to present and share experiences, explore new directions and debate topics with experts from across the globe in the field of nanotoxicology.

Abstracts will be solicited in (but not limited to) the following areas:

- Exposure assessment
- Detection and identification
- In vitro and In vivo Nanotoxicology assays
- Eco/Environmental Nanotoxicology
- Nanomaterials release
- Protection technology
- Industrial production
- Life Cycle Analysis
- Risk management

Biomaterials and Soft Materials

Symposium R: Surfaces and Interfaces for Medical Applications, Biomaterials and Health

Scope of the Symposium: Surfaces and interfaces are widely recognized as key elements in biomaterials processes of primary importance toward the biological performances and clinical success of implants used for the replacement and the regeneration of diseased tissue and organs. This symposium wishes to address the role of surfaces and interfaces in several of these applications, bringing together scientists from different

backgrounds so as to foster a multidisciplinary picture. This symposium will address the most advanced science and engineering challenges in the multidisciplinary aspects at the frontier between materials, processes, and applications. Transversal works and researches crossing the borders between these fields are particularly encouraged.

Dr Diego Mantovani is the director of Lab. for Biomaterials and Bioengineering at Laval University, Canada, and adjunct director Regenerative Medicine, Quebec University Hospital Research Center. Bioengineer by education, he is passionate by the frontiers between engineering, surgery, science and living sciences. He is the co-chair of the next 10th World Biomaterials Congress 2016.

Dr. Marisa Beppu is currently the dean of school of chemical engineering at UNICAMP. She coordinates the Engineering Laboratory and Chemistry of Products (LEQUIP) since 2002. She holds currently the scholarship productivity 1D of CNPq, received the Zeferino Vaz awards of academic performance (2012), Inova Unicamp Award for Innovation and Scientific Merit (2012, 2014).

Dr Victor Castano holds a PhD in Physics. He has authored and coauthored over 600 publications and is one of the most cited latino-american scientists. His areas of research include bioengineering, nanotechnology, materials science and translational medicine. Member of over 30 editorial boards, he was appointed Editor-in-Chief of Current Nanomedicine. He has served in academic and industrial committees in Latin America, the US, Canada and Europe.

Abstracts will be solicited in (but not limited to) the following areas:

- Surfaces and interfaces for biomaterials, drug/gene delivery, implants, scaffolds and tissue engineering applications;
- Surface processes for surface modification, patterning and processing, including plasma and laser-based technologies;
- Dry coatings, including biomimetic and others, susceptible to generate appropriate responses to surface chemical composition, texture, and morphology gradients;
- Advanced techniques (electronic and ionic spectroscopy, high resolution scanning microscopy, atomic force microscopy) for surface and interface characterization and modelling;
- Surfaces and interfaces and their role toward the biological performances of biomaterials, including bio, hemo-compatibility;
- Surfaces with unconventional features with extremely high commercial added-value, such as antibacterial, low-fouling, Antifog, easy-cleaning, blood-repellant;
- Smart materials and devices based on surface effects;
- Surfaces and interfaces for tribology, and protective applications;
- Micro-fluidic and micro-reactors and their applications in biomaterials, including alternative-to-in-vivo testing, diagnostics, drug assessment and development;
- Cyto and genotoxicity issues and their relation to interfacial phenomena.

Symposium S: Biomaterials and Devices for Neuroscience

Scope of the Symposium: Materials, thin films, nanomaterials and surface modifications applied to biomedical investigation or devices for neuroscience and neuroengineering. Electrochemical engineering for stimulation and recording of neuron activity, sensing of neurotransmitters and biomarkers. Materials for implantable materials for brain interfaces, both optical and electrical.

Abstracts will be solicited in (but not limited to) the following areas:

- Long-term chronic interfacing with the brain for optical and electrical devices
- Inflammatory responses to the presence of brain probes
- Multichannel recording and stimulation
- Advanced brain probe techniques
- Medical probes for human use

- Chemical sensing in the brain
- Optogenetics, optical stimulation and recording
- Materials issues in brain probe technology
- Nano- and Micro-texture for biocompatibility
- Flexible biocompatible materials

Symposium T: Self-Assembled Biological Structures for Electronic and Photonic Devices and Applications

Scope of the Symposium: Immobilization of biomolecules is an area of intense research activity because it improves the stability and functionality of biomolecules enabling their reuse in an environmentally-friendly manner. The proposed symposium addresses some of the major challenges in the development of biocompatible and biomimetic materials which to date have limited responsiveness. Most of the research in this area has been related to improved materials for healthcare with a remarkably wide range of applications with immense societal benefits. The symposium will also target interfacial properties of biocompatible materials in devices.

A focused session in self-assembled biological structures with direct applications in sensors, and electronic and photonic devices will be a great forum for researchers both in industry and academia.

Abstracts will be solicited in (but not limited to) the following areas:

- Structural/optical probes: (a) spectroscopic methods - near-field optics, light scattering, polarized spectroscopy; (b) structural probes - grazing incidence x-ray diffraction, neutron scattering, near edge x-ray absorption fine structure spectroscopy.
- Polymers and self-assembling: from biology to nanomaterials.
- Peptide and protein based materials & Technologies.
- Bioelectrochemistry and bioanalytics.
- Theoretical methodologies for understanding biological interfaces.
- Biomaterials nanostructures for opto / electronic applications.
- Peptide and protein interactions with materials & nanomaterials.

Workshops

Symposium U: University Chapter Symposium

Scope of the Symposium: The symposium intends to promote closeness between students and researchers, as well as to show the importance of the education's knowledge on materials science field to toward both the teacher and researchers training. In this way, themes such as scientific good practice, written scientific, program exchange, education and science lectures, session poster, round table, aimed at encouraging the students to develop a community of materials educators both at high school and university. The symposium is being organized by students from University Chapters Program - Brazilian MRS, and is open to all community as such undergraduate and graduate students, further professors, researchers and who would like to share yourself knowledge and scientific experience.

Abstracts will be solicited in (but not limited to) the following areas:

- Brazilian MRS University Chapters Program
- Start-up
- Paper publishing
- Materials educators
- Exchange programs

- Scientific network
- Ethical issues

Symposium V: Sustainable development of materials for advanced energy and electronics, extractive materials and transportation products

Scope of the Symposium: Throughout human history materials have been defining the progress of mankind. Today nanomaterials technology is affecting energy, environment, health, transportation industry and security issues around the world. With the exponential growth of population, it has become a global challenge to minimize the consumption of raw materials and at the same time optimize their utilization combined with energy reduction in manufacturing and minimizing environmental pollution during product usage and recycling. These challenges fall on the shoulders of academic and industrial materials researchers, as well as government policy makers. This symposium/workshop is the first of a series of events that will address the issues on regional sustainable development based on the collective priorities of South American countries. The four day symposium will address topics of materials for energy and advanced materials in future transportation products, as well as advances in industrial processing and techniques related to extractive materials. The symposium will take the form of oral presentations and discussions which will address selected topics on energy generation and storage, development of lightweight and resistant materials for transport vehicles, and modernization of the extractive industry of materials, including material phenomena at the micro- and nanoscales. Reports from the discussion groups will address: critical needs, proposed research and development challenges, research results, and establishing collaborative working groups to carry out strategic proposals that will be funded by government agencies and industries with potential partnerships to accelerate the end product manufacturing and marketing.

Abstracts will be solicited in (but not limited to) the following areas:

- Micro/Nano materials and technology
- New processing techniques in the electronics industry
- Raw materials for biofuels
- Generation and storage of electricity from power harvesting devices
- Design and models of technology transfer
- Composite materials for aircraft structures and other components
- Materials for automobile industries
- Extractive industries and society
- Materials-environment interactions
- Academic and industry innovation case studies

Tutorials

Symposium X: Hands-on tutorial on simulations using Reactive ForceFields: overview and applications

Scope of the Symposium: This one day tutorial will deal with the basics of computational simulations of atomistic systems. Participants will gain experience in the use of reactive potentials to describe the interactions between atoms during molecular dynamics simulations. The description of mechanical properties as well as simple chemical reactions will be addressed during the sessions. The main computational workhorse for the hands-on session will be the LAMMPS code, in which are already implemented all the reactive potentials to be discussed. The discussions and computational tests will

include important reactive methodologies such as the Tersoff, COMB and ReaxFF potentials. The tutorial will be divided in two sessions as follows:

1- Session 1 (2 hours): Introduction to reactive methods and the necessary tools, including some installation tips for common computational systems;

2- Session 2 (3 hours): Hands-on session on molecular dynamics simulations using reactive potentials. Skilled tutors will guide participants in the implementation, running and analysis of small simulations which include representative systems and chemical reactions that can be well described by the methodologies adopted during the tutorial.

Symposium Z: School of Scientists: Scientific Writing Tutorial

Scope of the Symposium: The "School of Scientists" aims to develop / improve / strengthen the skills necessary for researchers to do High Impact science, upon knowing the state-of-the-art in specific areas. The School will be offered to under and Graduate students and post-docs. Specific scientific writing courses have already been taught in other events by Prof. Zucolotto. In this case, however, we believe researchers can optimize their potential in doing research, with regard to:

- 1) Development of national and international research projects with bold objectives, and implementation of high-level scientific research. Such an approach is essential to promote significant advances at the frontier of knowledge in each area.
- 2) Production of international scientific articles, through appropriate and efficient writing.
- 3) Learn about the knowledge protection mechanisms and writing of patents

SYMPOSIUM A - 2D Advanced Materials: Carbon/Graphene and NanoComposites

Symposium organizers:

Paula Vilarinho (*University of Aveiro*)
Dr. Pritesh Hiralal (*University of Cambridge*)
Dr. Hanbin Ma (*University of Cambridge*)
Emerson Camargo (*UFSCar*)
Walter Katsumi Sakamoto (*UNESP*)
Diogo Paschoalini Volanti (*UNESP*)
Maria Aparecida Zaghete (*UNESP*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION A.OR1 (09:45 - 10:45) - Room Auditório

- 09:45 Oxides for large area electronics** **A.OR1.1***
Arokia Nathan¹; ¹University of Cambridge
- 10:15 Single-step growth of graphene on copper oxide**
Juan Carlos Moreno Lopez¹, Stefano Gottardi¹, Kathrin Muller¹, Luca Bignardi¹, Tuan Anh Pham¹, Oleksii Ivashchenko¹, Mikhail Yablonskikh², Alexey Barinov³, Jonas Björk⁴, Petra Rudolf¹, Meike Stöhr¹; ¹University of Groningen / Rijksuniversiteit Groningen, ²Helmholtz-Zentrum Berlin für Materialien und Energie, ³Elettra Synchrotron, ⁴Linköping University

SESSION A.OR2 (11:15 - 12:00) - Room Auditório

- 11:15 Study of triboelectric devices based on ZnO nanorods and PDMS:GO composites for energy harvesting application** **A.OR2.4**
Agnes Nascimento Simões¹, Nilsa Toyoko Azana¹, Pei Jen Shieh¹, Talita Mazon¹; ¹Centro de Tecnologia da Informação Renato Archer
- 11:30 Graphene enhanced flexible energy storage devices** **A.OR2.5***
Gehan Amaratunga¹; ¹Electrical Engineering Division, Engineering Department, University of Cambridge *Zinergy UK Ltd

SESSION A.OR3 (14:00 - 16:15) - Room Auditório

- 14:00 Large band gap quantum spin hall insulators: 2D fluorinated group-IV binary compounds** **A.OR3.6**
José Eduardo Padilha de Sousa¹, Renato B. Pontes², Tomé Mauro Schmidt³, Roberto Hiroki Miwa³, Adalberto Fazzio⁴; ¹Universidade Federal do Paraná, ²Universidade Federal de Goiás, ³Universidade Federal de Uberlândia, ⁴Universidade Federal do ABC
- 14:15 Multicolor mid-infrared photodetector based on asymmetric multiple quantum wells** **A.OR3.7**
Pedro Henrique Pereira¹, Germano Penello², Deborah Sivco³, Claire Gmachl³, Patricia L Souza⁴; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Universidade do Estado do Rio de Janeiro, ³Princeton University, ⁴Laboratório de Semicondutores - CETUC/PUC-Rio
- 14:30 Multiscale Modeling of Advanced Nanomaterials** **A.OR3.8***
Douglas Soares Galvão¹; ¹Instituto de Física Gleb Wataghin - UNICAMP
- 15:00 Fracture Patterns and Linear Atomic Chain Formation From Graphene Mechanical Stretching** **A.OR3.9**
Vinicius de Oliveira Splugues¹, Pedro Alves da Silva Autreto², Douglas Soares Galvão¹; ¹Universidade Estadual de Campinas, ²Universidade Federal do ABC

- 15:15 carbon nanotube unzipping through mechano-chemical reactions** **A.OR3.10**
Pedro Alves da Silva Autreto¹, Mohammad Kabbani², Chandra S Tiwary,
 Anirban Som³, K R Krishnadas³, Sehmus Ozden², Robert Vajtai², Ahmad T.
 Kabbani^{2,4}, Thalappil Pradeep³, Pulickel Ajayan, Douglas Soares Galvão⁵;
¹Universidade Federal do ABC, ²Rice University, ³DST Unit of Nanoscience
 and Thematic Unit of Excellence, Department of Chemistry, Indian Institute of
 Technology Madras, Chennai 600 036, India, ⁴Department of Natural Science,
 Lebanese American University, P.O. Box 13-5053 Chouran, Beirut 1102 2801,,
⁵Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas
- 15:30 Mono-vacancy in graphene nano-flakes: Ab-initio study.** **A.OR3.11**
Ana Maria Valencia¹, Marília J. Caldas¹; ¹Instituto de Física-USP
- 15:45 Electronic, transport and oxidation properties of free-standing and supported borophene** **A.OR3.12***
Adalberto Fazzio

Poster presentations

SESSION A.P1 (17:45 - 19:30)

- 17:45 Comparative study of first- and second-order Raman spectra of Reticulated Vitreous Carbon treated at different temperatures** **A.P1.1**
 Aline Fontana Batista¹, Aline Castilho Rodrigues², Adriano Luis De Paula^{3,1},
 Maurício Ribeiro Baldan³, Emerson Sarmiento Gonçalves^{2,1}; ¹Instituto de
 Aeronáutica e Espaço, ²Instituto Tecnológico de Aeronáutica, ³Instituto
 Nacional de Pesquisas Espaciais
- 17:45 The power Raman laser induce defects in AgO nanoparticles/graphene bilayers systems** **A.P1.2**
Ana Champi¹, Maria Angélica Briones², Maria Quintana²; ¹Fundação
 Universidade Federal do Abc, ²Universidad Nacional de Ingeniería
- 17:45 Spectroscopic study of the molecular interactions of tannins and graphene** **A.P1.3**
Thais Braga Vieira¹, Nelida Simona Marín Huachaca¹, Francisco Heriberto
 Martinez Luzardo¹, Erica Cristina Almeida¹, Luiz Carlos Salay¹; ¹Universidade
 Estadual de Santa Cruz
- 17:45 metallic nanolines ruled by grain boundaries in graphene: an *ab initio* study** **A.P1.4**
Felipe David Crasto de Lima¹, Roberto Hiroki Miwa¹; ¹Universidade Federal de
 Uberlândia
- 17:45 Raman studies of carbon felt treated at different temperatures** **A.P1.5**
 Anne Karoline dos Santos Poli¹, Gustavo Machado Domingues Caetano^{2,3},
Adriana Medeiros Gama³, Mauricio Ribeiro Baldan⁴, Emerson Sarmiento
 Gonçalves^{5,3}, Miguel Angelo do Amaral Junior⁴, Jossano Saldanha Marcuzzo⁴;
¹Instituto Tecnológico da Aeronáutica, ²Faculdade de Tecnologia de São José
 dos Campos, ³Instituto de Aeronáutica e Espaço, ⁴Instituto Nacional de
 Pesquisas Espaciais, ⁵Instituto Tecnológico de Aeronáutica
- 17:45 Assessment of solubility and spectroscopy analysis of carboxymethylcellulose active films prepared with turmeric** **A.P1.6**
Vanessa Souza Santos^{1,2}, Juliana Juliana Heloisa Pinê Américo Pinheiro²,
 Marcia Regina de Moura², Fauze Ahmad Aouada²; ¹UNESP, ²Grupo de
 Compósitos e Nanocompósitos Híbridos-GCNH

- 17:45 Raman Spectroscopy and AFM measurements of multi-layers phosphorene obtained by mechanical exfoliation in inert atmosphere** **A.P1.7**
Henrique Ferreira¹, Ana Champi¹, Danilo Mustafa², Gennady Gusev², Dario Bahamon³; ¹Universidade Federal do ABC, ²Instituto de Física da Universidade de São Paulo, ³Universidade Presbiteriana Mackenzie
- 17:45 Study of the graphene oxide (GO) photoreduction in the RGO-CdS composite by Raman spectroscopy** **A.P1.8**
Cristiane Gomes Almeida¹, Marcus Vinicius Silva¹, Luciana Almeida Silva¹; ¹Universidade Federal da Bahia
- 17:45 Nonlinear Optical Properties of Carbon Nanodots Investigated by Femtosecond Spectroscopy** **A.P1.9**
Marcelo Gonçalves Vivas¹, George Brian¹, Roberto Vaz², Leonardo De Boni³, Marco Antonio Schiavon², Cleber R. Mendonça³; ¹Universidade Federal de Alfenas, ²Universidade Federal de São João del-Rei, ³Instituto de Física de São Carlos - USP
- 17:45 Radiation effect of low energy X-rays on PVA / FLG** **A.P1.10**
Regina Duque Estrada Carvalho¹, Adelina Pinheiro Santos¹, Max Passos Ferreira¹, Clascídia A. Furtado¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Asymmetry in Raman Excitation Profiles of Carbon Nanotubes: The Role of Excitons** **A.P1.11**
Bruno Gondim de Melo Vieira¹, Eduardo Bedê Barros¹; ¹Universidade Federal do Ceará
- 17:45 Fitting transport measurements of 2DEG InAs/GaAs multi-quantum-well samples** **A.P1.12**
Adhimar Flávio Oliveira¹, Rero Marques Rubinger¹, Sávio José Zaccaro¹; ¹Universidade Federal de Itajubá
- 17:45 Computational study of hybrid fullerenes captors of glycerol** **A.P1.13**
Brenda de Souza Ferrari¹, Arlan da Silva Gonçalves¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo
- 17:45 Infrared Spectroscopic Characteristics of Interaction between Ox-MWNT Protonated Chitosan** **A.P1.14**
Mariana Botelho Barbosa¹, Thayana Furtado Teixeira¹, Matheus Deister Veiga¹, Adelina Pinheiro Santos¹, Clascídia A. Furtado¹, Estér Figueiredo Oliveira¹, Estefânia Mara do Nascimento Martins¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Effects of Oxygen Contamination on Monolayer GeSe: A computational study** **A.P1.15**
Raphael Longuinhos Monteiro Lobato¹, Igor Saulo Santos de Oliveira¹; ¹Universidade Federal de Lavras
- 17:45 Raman and Infrared Activity of Low-Frequency Interlayer Modes in 2D GaSe** **A.P1.16**
Raphael Longuinhos Monteiro Lobato¹, Jenaina Ribeiro Soares¹; ¹Universidade Federal de Lavras
- 17:45 Influence of the Incorporation of Titanium Dioxide (TiO₂) on the morphological, structural and electrical properties of Graphene oxide (GO) thin films.** **A.P1.17**
Emilson Ribeiro Viana Junior¹, Gustavo Wegher¹, Jeferson Ferreira de Deus¹; ¹Universidade Tecnológica Federal do Paraná

- 17:45 Microstructural evaluation of silicon oxycarbide (SiOC) ceramics derived from graphene-containing poly(organosiloxanes)** A.P1.18
Gabriel Rabelo Coelho¹, Mariana Marina Brito De Carvalho¹, Mariana Gava Segatelli¹; ¹Universidade Estadual de Londrina
- 17:45 Development of nanostructured self-assembled films based on Polypyrrole and Carbon Nanotubes composites** A.P1.19
Gabriela Martins de Araújo¹, Luís Antonio Polaci¹, Fábio Ruiz Simões¹; ¹Universidade Federal de São Paulo
- 17:45 An evaluation of electrical conductivity towards processing steps of Carbon Fiber/Phenolic Resin Composites modified by silicon up to 1600 °C** A.P1.20
Suelen Christiane Nunes Alves
- 17:45 Thermal degradation and kinetic study of PMMA/MWCNT nanocomposites by TGA analysis and Broido method** A.P1.21
Marina Fernandes Cosate de Andrade¹, Jéssica Marcon Bressanin¹, Cristina Ikehara¹, Melina Mituo¹, Cesar Ishiuchi¹, Julio Roberto Bartoli¹; ¹Faculdade de Engenharia Química - UNICAMP
- 17:45 Mechanical reinforcement of PVC with carbon nanotubes grown on two different micrometric substrates** A.P1.22
Nadia Guerra Macedo
- 17:45 Improvement of electrochemical detection of H₂O₂ using a Prussian blue/reduced graphene oxide nanocomposite obtained by photochemical method** A.P1.23
Pâmyla Layene dos Santos¹, Juliano Alves Bonacin¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Temperature analysis due to the hydration heat in cement pastes with carbon nanotubes** A.P1.24
Alice Zanforlin Benedetti¹, Tarcizo Cruz Souza¹, Jose Marcio F Calixto¹, Luiz Orlando Ladeira¹, Guaracy Silva Junior¹; ¹Universidade Federal de Minas Gerais
- 17:45 Preparation and dynamic-mechanical properties of poly(lactic acid)/graphene based nanocomposites** A.P1.25
Diego de Holanda Saboya Souza¹, Marcos Lopes Dias¹; ¹Instituto de Macromoléculas Professora Eloisa Mano
- 17:45 Thermal, mechanical and electromagnetic characterization of HDPE/carbon fibers composites using residues of aircraft components** A.P1.26
Laís Cristina Gomes Nagaki¹, Simone Souza Pinto¹, Mirabel Cerqueira Rezende¹, Caroline Martins dos Santos¹, Fabio Roberto Passador¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Thermal stability of electrical conductivity of Polyaniline/graphite nanosheet composites** A.P1.27
Eliza Sbrogio Martin¹, Thuany Garcia Maraschin², Nara Regina de Souza Basso², Alex Otávio Sanches¹, José Antonio Malmonge¹; ¹Universidade Estadual Paulista, UNESP/FE - Campus de Ilha Solteira, ²Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Characterization of filler-matrix interactions in polymeric composites based on epoxy resin and modified carbon nanotubes** A.P1.28
Juliana Cardoso Neves¹, Vinícius Gomide Castro¹, Ana Luiza Silvestre Assis¹, Maria Luiza Miranda Rocco², Glauro Goulart Silva¹; ¹Universidade Federal de Minas Gerais, ²Instituto de Química / UFRJ

- 17:45 Conventional two-step sintering of zirconia/alumina-niobium carbide nanocomposites** **A.P1.29**
 Raphael Euclides Prestes Salem^{1,2}, Fábulo Ribeiro Monteiro³, Adriana Scoton Chinelatto³, Adilson Luiz Chinelatto³, Elíria Maria de Jesus Agnolon Pallone¹;
¹Universidade de São Paulo, ²Universidade Tecnológica Federal do Paraná,
³Universidade Estadual de Ponta Grossa
- 17:45 Friction properties of carbon fiber reinforced carbon composites modified with SiC** **A.P1.30**
Jéssica Fernandes Silva¹, Luiz Claudio Pardini², Maria Aparecida Miranda de Souza²; ¹Escola de Engenharia de Lorena/USP, ²Divisão de Materiais
- 17:45 Influence of epoxy functionalized CNTs on mechanical properties of nanocomposites** **A.P1.31**
Wesley Franceschi¹, Filipe Vargas Ferreira¹, Beatriz Rossi Canuto de Menezes¹, Felipe Sales Brito¹, Cintia Rosa¹, Beatriz Carvalho Silva¹, Karla Faquine Rodrigues¹, Luciana de Simone Cividanes¹, Gilmar Patrocínio Thim¹; ¹Instituto Tecnológico de Aeronáutica
- 17:45 Influence of carbon nanotube and surface modification on PBAT properties** **A.P1.32**
 Cintia Rosa¹, Wesley Franceschi¹, Filipe Vargas Ferreira¹, Beatriz Rossi Canuto de Menezes¹, Felipe Sales Brito¹, Karla Faquine Rodrigues¹, Beatriz Carvalho Silva¹, Luciana de Simone Cividanes¹, Gilmar Patrocínio Thim¹; ¹Instituto Tecnológico de Aeronáutica
- 17:45 Cement-based piezoelectric composite for structural health monitoring** **A.P1.33**
 Alex Otávio Sanches¹, Raíssa Pravatta Pivetta¹, José Antonio Malmonge¹, Maria Ap. Zaghete², Elson Longo², Walter Katsumi Sakamoto¹; ¹Faculdade de Engenharia/UNESP-IS, ²Instituto de Química de Araraquara/UNESP
- 17:45 Oil stain removal in aqueous means using sorbents and ferrite composite in paraffin** **A.P1.34**
Renata Santos Seixas^{1,2}, André Ben-Hur da Silva Figueiredo¹, Ronaldo Sérgio de Biasi¹; ¹Instituto Militar de Engenharia, ²Universidade Federal do Rio de Janeiro
- 17:45 Rheological properties of low density polyethylene nanocomposites containing organophilic green colored Ni²⁺/Al³⁺ Layered Double Hydroxides** **A.P1.35**
Silvia Jaeger¹, Fernando Wypych¹; ¹Universidade Federal do Paraná
- 17:45 Influence of pectin concentration in mechanical properties of edible nanocomposite films** **A.P1.36**
Pamela Thais Sousa Melo¹, Fauze Ahmad Aouada¹, Marcia Regina de Moura¹;
¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Thermal properties of edible nanocomposite films based in cupuassu puree** **A.P1.37**
Pamela Thais Sousa Melo¹, Juliana Reghine Souza^{2,3}, Marcos Vinicius Lorevice^{2,3}, Fauze Ahmad Aouada¹, Marcia Regina de Moura¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Universidade Federal de São Carlos, ³Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Thermal study of incorporation of copaiba oil nanoemulsions in sodium alginate for applications as wound dressing** **A.P1.38**
 Viviane G.A. Pires¹, Fauze Ahmad Aouada¹, Marcia Regina de Moura¹;
¹Faculdade de Engenharia/UNESP-IS

- 17:45 Physical properties of a sodium alginate nanocomposite of clove essential oil nanoemulsion** **A.P1.39**
Ronaldo Shigueru Sasaki¹, Fauze Ahmad Aouada¹, Marcia Regina de Moura¹;
¹Faculdade de Engenharia/UNESP-IS
- 17:45 Morphological characterization and chemical compositional analysis of the nanostructured hydrogel consisting by poly (methacrylic acid) and nanoclay cloisite-Na⁺** **A.P1.40**
Carlos Roberto Ferreira Junior¹, Marcia Regina de Moura¹, Fauze Ahmad Aouada¹; ¹Grupo de Compósitos e Nanocompósitos Híbridos-GCNH
- 17:45 nanocomposite thin films formed by biopolymers and clay** **A.P1.41**
 gabriella dayane ulrich¹, joão otávio ferreira¹, maria paula peixoto², osvaldo freitas², kelly roberta francisco¹; ¹Universidade Federal de São Carlos, ²Universidade de São Paulo
- 17:45 Physical gelation of Laponite/Alginate solutions** **A.P1.42**
José Luis Dávila¹, Marcos Akira d'Ávila¹; ¹University of Campinas
- 17:45 Influence of Buriti oil on the composite PVDF/Eu properties** **A.P1.43**
Celso Xavier Cardoso¹, Wagner Dias Macedo Junior¹, rafael Jesus gonçalves Rubira¹, Aldo Eloizo Job¹, Silvio Rainho Teixeira¹, Agda Eunice de Souza¹;
¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Effect of the insertion of silver nanoparticles in a commercial acrylic matrix of dental use** **A.P1.44**
Francisco Nunes de Souza Neto¹, Renan Aparecido Fernandes², Douglas Roberto Monteiro², Elson Longo³, Emerson Rodrigues Camargo¹;
¹Universidade Federal de São Carlos, ²UNESP, ³Instituto de Química de Araraquara/UNESP
- 17:45 Nanocomposites with thermoresponsive behavior as potential biomaterials** **A.P1.45**
 Renata Lang Sala^{1,2}, Jason A. Burdick¹, Emerson Rodrigues Camargo²;
¹University of Pennsylvania, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 TPU/calcium carbonate nanocomposites as new additives to prevent drilling fluids lost circulation** **A.P1.46**
PAULA SALINO RIBEIRO¹, REGINA SANDRA VEIGA NASCIEMNTO¹, REGINA CÉLIA REIS NUNES²; ¹Instituto de Química / UFRJ, ²Instituto de Macromoléculas
- 17:45 Clay-based bionanocomposite foams: morphology and porosity characterization by X-ray microtomography technique** **A.P1.47**
Rubia Figueredo Gouveia¹, Margarita Darder², Erika Padilla Ortega², Charlene Regina Matos², Pilar Aranda², Eduardo Ruiz Hitzky²; ¹Brazilian Center for Research in Energy and Materials, ²Materials Science Institute of Madrid
- 17:45 ZnO:SBA-15 nanocomposites: synthesis, properties and potential applications in cosmetics products** **A.P1.48**
Camila Okinokabu Vieira¹, Isha N. Haridass², Jeffrey E. Grice³, Michael S. Roberts³, Patricia Santos Lopes¹, Vania Rodrigues Leite-Silva¹, Tereza da Silva Martins¹; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Curtin University of Technology, ³University of Queensland
- 17:45 Electrical transport in buckypapers based on quasi-2D system** **A.P1.49**
Luiza de Marilac Pantoja Ferreira¹, Marcos Allan Leite dos Reis¹;
¹Universidade Federal do Pará
- 17:45 Humidity sensing properties of carbon xerogel based-sensor** **A.P1.50**
 Honória de Fátima Gorgulho¹, Fabíola de Almeida Ferreira¹, Wagner Souza Machado¹; ¹Universidade Federal de São João Del Rei

- 17:45 Effect of reduced graphene oxide on gas sensing performance of SnO₂ under wet atmosphere** **A.P1.51**
Cecilia de Almeida Zito¹, Tarcísio Micheli Perfecto¹, Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Electrophoretic deposition of graphene oxide over silicon substrate** **A.P1.52**
 Cristina Battesini Adamo¹, Alexander Flacker^{1,2}, Paula Nascimento², Ronaldo Timm³, Fernando Ely¹, Lauro Tatsuo Kubota³, Stanislav Moshkalev²; ¹Centro de Tecnologia da Informação Renato Archer, ²Centro de Componentes Semicondutores-UNICAMP, ³Universidade Estadual de Campinas
- 17:45 Room-temperature acetone sensing with heterostructures based on reduced graphene oxide and tungsten trioxide** **A.P1.53**
Tarcísio Micheli Perfecto¹, Cecilia de Almeida Zito¹, Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 The role of the argon concentration on the evolution of morphology and structural properties of boron doped diamond** **A.P1.54**
 Bárbara da Silva Pinheiro¹, Luiz Carlos Rosa², Denis Angelo da Silva³, Jossano Saldanha Marcuzzo^{1,4}, Emerson Sarmiento Gonçalves⁵, Mauricio Ribeiro Baldan²; ¹Instituto Nacional de pesquisas espaciais, ²Instituto Nacional de Pesquisas Espaciais, ³Universidade Federal de São Paulo, ⁴Faculdade de Tecnologia de São Jose dos Campos, ⁵Instituto de Aeronáutica e Espaço
- 17:45 Synthesis of graphene oxide thin films annealed with nitrogen and analysis of its electrical and optical properties** **A.P1.55**
Rodrigo Hiroaki Ideyama¹, Marina Sparvoli de Medeiros¹, Mauro Pinheiro Silva²; ¹Universidade Federal do ABC, ²Faculdades Oswaldo Cruz
- 17:45 Preparation of reduced graphene oxide and incorporation into the liquid electrolyte of dye-sensitized solar cells** **A.P1.56**
Diogo M. Guilhermitti Neto¹, Jilian Nei de Freitas¹; ¹Centro de Tecnologia da Informação Renato Archer
- 17:45 Improvement of CNT dispersion in HDPE by acid and octadecylamine functionalizations** **A.P1.57**
Beatriz Rossi Canuto de Menezes¹, Filipe Vargas Ferreira¹, Wesley Franceschi¹, Felipe Sales Brito¹, Evelyn Alves Nunes¹, Karla Faquine Rodrigues^{1,2}, Cintia Rosa², Luciana de Simone Cividanes¹, Gilmar Patrocínio Thim¹; ¹Instituto Tecnológico de Aeronáutica, ²Universidade do Vale do Paraíba
- 17:45 Preparation And Characterization Of Carbon Nanotube Buckypaper With Low Reflectance And Superhydrophobicity** **A.P1.58**
Rodrigo Bezerra Vasconcelos Campos¹, Sérgio de Souza Camargo Jr.¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Influence of anodic etching on carbon fiber substrate for TiO₂ deposition from TiCl₃ anodic hydrolysis** **A.P1.59**
Lania Auxiliadora Pereira¹, Andrea Boldarini Couto¹, Neidenei Gomes Ferreira¹; ¹Instituto Nacional de Pesquisas Espaciais
- 17:45 Reduction of Graphene Oxide by Hydrothermal Synthesis** **A.P1.60**
Rafael Lavagnolli Germscheidt¹, Talita Mazon¹; ¹Centro de Tecnologia da Informação Renato Archer
- 17:45 Multiwall Carbon Nanotubes filled with Al₄C₃: Electron-phonon Coupling and doping process** **A.P1.61**
Newton Martins Barbosa Neto¹, Mario Edson Santos Sousa¹, Sônia Simões², Manuel Vieira², Paulo Trindade Araujo³, Marcos Allan Leite dos Reis¹; ¹Universidade Federal do Pará, ²Universidade do Porto, ³The University of Alabama

- 17:45 Synthesis and Characterization of Amine-funtionalized graphene oxide via Microwave-assisted reactions** **A.P1.62**
Cristiano Carrareto Caliman¹, Anderson Fuzer Mesquita¹, Arilza de Oliveira Porto²; ¹Universidade Federal do Espírito Santo, ²Universidade Federal de Minas Gerais
- 17:45 Synthesis of graphene at low temperature by PECVD** **A.P1.63**
Deissy Johanna Feria Garnica¹, Diego Edison Lopez Silva¹, Inès Pereyra¹;
¹Escola Politecnica da USP
- 17:45 Removal of uranyl sulfate complexes from aqueous solution using graphene oxide** **A.P1.64**
Isabela Costa Mendes Peres¹, Jefferson Patrício Nascimento¹, Adelina Pinheiro Santos¹, Ana Cláudia Queiroz Ladeira¹, Clascídia A. Furtado¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Synthesis, characterization and catalytic activity of MoO₄⁻² intercalated Zn/Ni layered double hydroxide salt.** **A.P1.65**
Kamila Colombo¹, Swami A Maruyama¹, Henrique Bortolaz de Oliveira¹, Fernando Wypych¹, Carlos Itsuo Yamamoto¹; ¹Universidade Federal do Paraná
- 17:45 Rare-earth doped boron nitride nanotubes: synthesis and characterization** **A.P1.66**
Wellington Marcos Silva¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Incorporated titanium nanoparticles to improve the physical properties of sodium alginate films** **A.P1.67**
Tiago Antônio Lima^{1,2}, Fauze Ahmad Aouada^{1,2}, Marcia Regina de Moura^{1,2};
¹UNESP, ²Grupo de Compósitos e Nanocompósitos Híbridos-GCNH
- 17:45 Effect of the zeolite concentration on the swelling and kinect properties of the hybrid nanostructured hydrogels** **A.P1.68**
Diego Henrique Oliveira Barbosa^{1,2}, Marcia Regina de Moura^{1,2}, Fauze Ahmad Aouada^{1,2}; ¹Grupo de Compósitos e Nanocompósitos Híbridos-GCNH, ²Faculdade de Engenharia de Ilha Solteira
- 17:45 Swelling behavior evaluation and spectroscopic properties of nanostructured hydrogels based on alginate, nanoclay and zeolite** **A.P1.69**
Renan da Silva Fernandes^{1,2}, Marcia Regina de Moura^{1,2}, Fauze Ahmad Aouada^{1,2}; ¹Faculdade de Engenharia/UNESP-IS, ²Grupo de Compósitos e Nanocompósitos Híbridos-GCNH
- 17:45 Ceramics of lithium titanate obtained by the OPM route** **A.P1.70**
Lucas da Silva Ribeiro¹, Emerson Rodrigues Camargo¹, Andre Esteves Nogueira²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Treads: adding ammonium salt-free organophilic clay** **A.P1.71**
Mikaela Darós¹, Mauro Cesar de avila², Reinaldo Yoshio Morita¹, Juliana Regina Kloss¹; ¹Universidade Tecnológica Federal do Paraná, ²Empresa Tecnol-Tecnologia em Polímeros
- 17:45 Programmed synthesis of xerogels/aerogels based on resorcinol/formaldehyde** **A.P1.72**
Daniela Romão Manfio Gozzi¹, Liana Alvares Rodrigues¹, Luiz Claudio Pardini²; ¹Universidade de São Paulo - Escola Engenharia Lorena, ²Instituto Tecnológico de Aeronáutica

- 17:45 Synthesis and photoluminescent properties of TiO₂ and TiO₂:Ag nanoparticles** **A.P1.73**
Ana Paula de Moura¹, Francine Aline Tavares², Euripedes Silva Junior³, Máximo Siu Li⁴, Ieda Lúcia Viana Rosa², Elson Longo¹, José A. Varela¹;
¹Instituto de Química de Araraquara/UNESP, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Instituto de Química - IQ - Unesp - Araraquara, ⁴Instituto de Física de São Carlos - USP
- 17:45 Synthesis and properties of In₂O₃ nanoparticles processed in microwave system** **A.P1.74**
Ana Paula de Moura¹, Danielle Berger², Ieda Lúcia Viana Rosa³, Máximo Siu Li⁴, Elson Longo¹, José A. Varela²; ¹Instituto de Química de Araraquara/UNESP, ²Instituto de Química - IQ - Unesp - Araraquara, ³Universidade Federal de São Carlos - Campus: São Carlos, ⁴Instituto de Física de São Carlos - USP
- 17:45 Photocatalytic Properties of ZnWO₄ Nanostructures** **A.P1.75**
Rosana de Fátima Gonçalves¹, Maya Dayana Penha da Silva¹, Regiane Cristina Oliveira¹, Ana Paula de Azevedo Marques², Francisco Sávio Mendes Sinfrônio³, Elson Longo⁴; ¹Universidade Federal de São Carlos, ²Universidade Federal de São Paulo, ³Universidade Federal do Maranhão, ⁴Instituto de Química - IQ - Unesp - Araraquara
- 17:45 Effect of rare earth (Eu³⁺ and Gd³⁺) on the structural ordering and photoluminescent behavior of the ZrO₂** **A.P1.76**
Euripedes Silva Junior¹, Elson Longo¹, Máximo Siu Li²; ¹Instituto de Química de Araraquara/UNESP, ²Instituto de Física de São Carlos - USP
- 17:45 Plasma formation inside of a long metallic tube used as a chamber to growth DLC film by using Pulsed-DC PECVD process** **A.P1.77**
Elver Juan de Dios Mitma Pillaca¹, Marco Antonio Ramírez¹, Vladimir Jesus Trava-Airoldi¹; ¹Instituto Nacional de Pesquisas Espaciais
- 17:45 Ag doped sodium titanate: bactericidal and photocatalytic activity** **A.P1.78**
Felipe Moessa Bezerra¹, Fabricia Emanuelli Moreira Dias¹, Wilson S. dos Reis Filho¹, Alberto Adriano Cavalheiro¹, Ademir dos Anjos¹, Maria Ap. Zaghete², Daniela Cristina Manfroi Rodrigues¹; ¹Universidade Estadual de Mato Grosso do Sul, ²Instituto de Química de Araraquara/UNESP
- 17:45 Copper doped sodium titanate as a faster photocatalyst** **A.P1.79**
Fabricia Emanuelli Moreira Dias¹, Wilson S. dos Reis Filho¹, Felipe Moessa Bezerra¹, Alberto Adriano Cavalheiro¹, Ademir dos Anjos¹, Maria Ap. Zaghete², Daniela Cristina Manfroi Rodrigues¹; ¹Universidade Estadual de Mato Grosso do Sul, ²Instituto de Química de Araraquara/UNESP
- 17:45 Photocatalysis performance of Lapachol doped titanate** **A.P1.80**
Wilson S. dos Reis Filho¹, Felipe Moessa Bezerra¹, Fabricia Emanuelli Moreira Dias¹, Alberto Adriano Cavalheiro¹, Ademir dos Anjos¹, Maria Ap. Zaghete², Daniela Cristina Manfroi Rodrigues¹; ¹Universidade Estadual de Mato Grosso do Sul, ²Instituto de Química - UNESP

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION A.OR4 (09:45 - 10:45) - Room Auditório

- 09:45 Flexible carbon composite material with functional properties, from single process** *
- Neftali Lenin Villarreal Carreño¹; ¹Universidade Federal de Pelotas
- 10:15 Making Graphene Visible on Transparent Dielectric Substrates: Brewster Angle Imaging** A.OR4.14
- Priscila Romagnoli¹, Henrique Guimarães Rosa¹, Daniel López-Cortés¹, E.A. Thoroh de Souza¹, José Carlos Gomes², Walter Margulis³, Christiano J.S. de Matos¹; ¹Universidade Presbiteriana Mackenzie, ²National University of Singapore, ³Acreo Swedish ICT AB
- 10:30 Polycrystalline Carbon Nanoflakes for field emission applications** A.OR4.15
- Fernando Guzmán¹, Rodrigo A. Espinoza-González¹, Victor M Fuenzalida¹, Gerardo Morell²; ¹Universidad de Chile, ²Universidad de Puerto Rico

SESSION A.OR5 (11:15 - 12:00) - Room Auditório

- 11:15 Celulose / graphite composite dispersions and materials** A.OR5.16
- Bruno Batista¹, Ramon dos Santos¹, Douglas da Silva¹, Gabriel Costa¹, Fernando Galembeck¹; ¹Institute of Chemistry-UNICAMP

SESSION A.OR6 (14:00 - 16:15) - Room Auditório

- 14:00 Carbon dots: synthesis from renewable sources via hydrothermal carbonization, characterization and evaluation of their interaction with biological systems** A.OR6.18
- Liz Specian de Moraes¹, Oswaldo Luiz Alves¹; ¹Universidade Estadual de Campinas
- 14:15 Magnetic zinc-nickel layered double hydroxide salts: synthesis, characterization and chromate removal capacity.** A.OR6.19
- Henrique Bortolaz de Oliveira¹, Fernando Wypych¹; ¹Universidade Federal do Paraná
- 14:30 Resonance Raman scattering in two-dimensional transition metals dichalcogenides** A.OR6.20*
- Cristiano Fantini Leite¹, Bruno Ricardo Carvalho², Juliana Alves Martins², Rafael Nunes Gontijo², Elena del Corro², Leandro M Malard², Ariete Righi², Marcos Assunção Pimenta²; ¹Universidade Federal De Minas Gerais, ²Universidade Federal de Minas Gerais
- 15:00 Thermally-driven hydrogen interaction with single-layer graphene on SiO₂/Si substrates** A.OR6.21
- Taís Orestes Feijó¹, Guilherme Koszeniewski Rolim¹, Cláudio Radtke¹, Gabriel Vieira Soares¹; ¹Universidade Federal do Rio Grande do Sul
- 15:15 study of properties of graphene oxide produced by dip-coating method and reduced in HI atmosphere** A.OR6.22
- Gabriel Soares de Camargo Munaro¹, Marina Sparvoli²; ¹Fundação Universidade Federal do Abc, ²Universidade Federal do ABC

- 15:30 Tribological Evaluation of Carbon Nanomaterials Lubricants** **A.OR6.23**
Flávia Gonçalves Pacheco¹, Henara Lillian Costa², José Daniel Biasoli de Mello², Marcia Marie Maru³, Carlos Alberto Achete³, Adelina Pinheiro Santos¹, Clascídia A. Furtado¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Uberlândia, ³Instituto Nacional de Metrologia, Qualidade e Tecnologia
- 15:45 Probing Water Adsorption on Graphene incorporated in thermal treatments** **A.OR6.24**
Guilherme Rolim¹, Taís Orestes Feijó², Gabriel Vieira Soares², Cláudio Radtke²; ¹Universidade Federal do Rio Grande do Sul, Pós Graduação em Microeletrônica, ²Universidade Federal do Rio Grande do Sul
- 16:00 Influence of temperature on domains structure in graphene nanoislands on Ni(111)** **A.OR6.25**
Sofia Oliveira Parreiras¹, Michele Gastaldo², Cesar Moreno², Maximiliano Delany Martins³, Gustavo Ceballos², Roberto Magalhães Paniago¹, Aitor Mugarza²; ¹Universidade Federal de Minas Gerais, ²Catalan Institute of Nanoscience and Nanotechnology, ³Centro de Desenvolvimento da Tecnologia Nuclear

Poster presentations

SESSION A.P2 (17:45 - 19:30)

- 17:45 Photocatalytic applications of nanocomposites TiO₂/SrTiO₃ obtained by Sol-Gel method** **A.P2.81**
Rafael Aparecido Ciola Amoresi¹, Vinícius Teodoro¹, Alexandre Z. Simões², Alberto Adriano Cavalheiro³, Leinig Antonio Perazolli¹, Maria Ap. Zaghete¹; ¹Instituto de Química de Araraquara/UNESP, ²UNESP Guaratinguetá, ³Universidade Estadual de Mato Grosso do Sul
- 17:45 Piezoresponse Force Microscopy in characterization of NaNbO₃ based flexible composites** **A.P2.82**
Guilhermina Ferreira Teixeira¹, Wagner Benício Bastos¹, Pedro Tendrih Sodré¹, Elson Longo¹, Maria Ap. Zaghete¹; ¹Instituto de Química - IQ - Unesp - Araraquara
- 17:45 (NiZn)Fe₂O₄-BaTiO₃ composites: a photoluminescence study** **A.P2.83**
Guilhermina Ferreira Teixeira¹, Adis S Dzunuzovic², Biljana D Stojanovic², Elson Longo¹, Maria Ap. Zaghete¹; ¹Instituto de Química - IQ - Unesp - Araraquara, ²Institute of Multidisciplinary Research University of Belgrade
- 17:45 Heterostructures SrTiO₃/LaAlO₃ with 2DEG behavior** **A.P2.84**
Rafael Aparecido Ciola Amoresi¹, Leonélio Cichetto Junior^{2,1}, Alexandre Z. Simões³, Elson Longo¹, Maria Ap. Zaghete¹; ¹Instituto de Química de Araraquara/UNESP, ²Universidade Federal de São Carlos, ³UNESP Guaratinguetá
- 17:45 Thin films of LaNi_(1+x)O₃ and LaNi_(1+x)O₃/ BaTiO₃ (x = -0,02 and 0,2) obtained by PLD technique for study of the structural and physical properties for application in ferroelectric memories** **A.P2.85**
Leonélio Cichetto Junior^{1,2}, Fernando M. Araujo Moreira¹, Elson Longo²; ¹Universidade Federal de São Carlos, ²Instituto de Química de Araraquara/UNESP

- 17:45 Influence of Cu-doped TiO₂ on photocatalytic activity** **A.P2.86**
Vinicius Teodoro¹, Euripedes Silva Junior¹, Máximo Siu Li², Maria Ap. Zaghete¹, Leinig Antonio Perazolli¹, Elson Longo¹; ¹Instituto de Química - UNESP, ²Instituto de Física - USP
- 17:45 Influence of Silver on Photocatalytic Activity of TiO₂.** **A.P2.87**
Carla Yuri Kisen¹, Vinicius Teodoro¹, Elson Longo^{2,3}, Maria Ap. Zaghete¹, Leinig Antonio Perazolli¹; ¹Instituto de Química, UNESP - Universidade Estadual Paulista, Araraquara-SP, ²Universidade Federal de São Carlos, ³Instituto de Química de Araraquara/UNESP
- 17:45 MODIFICAÇÃO ESTRUTURAL E CARACTERIZAÇÃO DA ARGILA A5 EM ORGANOFILICA PARA REMEDIAÇÃO DE AMBIENTES AQUATICOS CONTAMINADOS COM POLUENTES ORGANICOS** **A.P2.89**
Sara Guilhon Barboza¹, Arão Pereira da Costa Filho¹; ¹Universidade Federal do Maranhão
- 17:45 Influence of the injection rate in the diameters of YBCO ceramics Nanofibers obtained by the new technique of Solution Blow Spinning (SBS)** **A.P2.91**
Maycon Rotta¹, Lincon Zadorosny¹, Cláudio Luiz Carvalho¹, José Antonio Malmonge¹, Luiz Francisco Malmonge¹, Rafael Zadorosny¹; ¹Faculdade de Engenharia/UNESP-IS
- 17:45 Sctructural properties of the nanostructured hydrogels containing nanoclay for application in agriculture** **A.P2.92**
UILIAN GABALDI YONEZAWA¹, Marcia Regina de Moura¹, Fauze Ahmad Aouada²; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Campus Ilha Solteira
- 17:45 Preparation of magnetic MWCNTs thin films by spray method** **A.P2.93**
Marisa Raquel Rodrigues¹, Gustavo da Rosa Cunha¹, Alice Gonçalves Osorio², Carlos Pérez Bergmann¹; ¹Universidade Federal do Rio Grande do Sul, ²Universidade Federal de Pelotas
- 17:45 Effect of heat treatment temperature on the electrochemical properties of reticulated vitreous carbon with two different porous sizes.** **A.P2.94**
Aline Fontana Batista¹, Adriano Luis De Paula^{2,1}, Maurício Ribeiro Baldan², Emerson Sarmiento Gonçalves^{3,1}; ¹Instituto de Aeronáutica e Espaço, ²Instituto Nacional de Pesquisas Espaciais, ³Instituto Tecnológico de Aeronáutica
- 17:45 SYNTHESIS OF CARBON XEROGEL BY A BIOSOURCED PRECURSOR** **A.P2.95**
Kéthy Germano Torres¹, Honória de Fátima Gorgulho¹, Patrícia Benedini Martelli¹, Luiz Gustavo Guimarães¹; ¹Universidade Federal de São João del-Rei
- 17:45 Thermal analysis and calorimetry applied to the studies of graphene and other 2D carbon based nanomaterials and nanocomposites** **A.P2.96**
Kristina Lilova¹; ¹Setaram Inc.
- 17:45 Carbon nanotube coating with TiO₂** **A.P2.97**
Karla Faquine Rodrigues^{1,2}, Felipe Sales Brito¹, Beatriz Rossi Canuto de Menezes¹, Wesley Franceschi¹, Filipe Vargas Ferreira¹, Cintia Rosa^{1,2}, Beatriz Carvalho Silva^{1,2}, Gilmar Patrocínio Thim¹; ¹Instituto Tecnológico de Aeronáutica, ²Universidade do Vale do Paraíba

- 17:45 Systematization of the routes towards synthesis of the graphene oxide controlling the chemical reduction via thermal treatment and sonification process** **A.P2.98**
Mariany Ludgero Maia Gomes^{1,2}, Jorge Tadao Matsushima^{1,3}, Jossano Saldanha Marcuzzo¹, Emerson Sarmento Gonçalves⁴, Mauricio Ribeiro Baldan¹;
¹Instituto Nacional de Pesquisas Espaciais, ²Universidade Federal de São Paulo/São José dos Campos, ³ETEP Faculdades, ⁴Instituto Tecnológico Aeroespacial
- 17:45 Evolution of Structure of Graphene Oxide with Heat Treatment Temperature** **A.P2.99**
Ludmila Vargas¹, Camila Brito Souza^{2,3}, Mariany Ludgero Maia Gomes^{4,3}, Jorge Tadao Matsushima^{4,5}, Mauricio Ribeiro Baldan⁴, Adriana Medeiros Gama², Emerson Sarmento Gonçalves^{2,1}; ¹Instituto Tecnológico Aeroespacial, ²Instituto de Aeronáutica e Espaço, Laboratório de Caracterização Físico-Química, Divisão de Materiais, ³Universidade Federal de São Paulo/São José dos Campos, ⁴Instituto Nacional de Pesquisas Espaciais, ⁵ETEP Faculdades
- 17:45 Preparation and photocatalytic activity of Carbon xerogel/TiO₂ composites** **A.P2.100**
Adalgisa Reis Mesquita^{1,2}, Honória de Fátima Gorgulho², Patrícia Benedini Martelli², Clascídia A. Furtado³, Jefferson Patrício Nascimento³; ¹Instituto Federal de Educação, Ciência e Tecnologia do Sudeste de Minas Gerais, ²Universidade Federal de São João del-Rei, ³Universidade Federal de Minas Gerais
- 17:45 Structural and Optical Characterization in Amorphous Carbon/Graphite Hybrid Composites: Effect of Graphite in the Induction of Lamellar Behavior in Amorphous Carbon** **A.P2.101**
Silvania Lanfredi¹, Gabriela Delli Colli Zocolaro¹, Jessica Taeko Sanches Kohara¹, Marcos Augusto Lima Nobre¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 CoTRP/G raphene oxide composite as efficient electrode material for dissolved oxygen sensors** **A.P2.102**
Juan Sebastian Aguirre¹, Sukeri Anandhakumar¹, Josué Martins Gonçalves¹, Lucas Patricio Hernandez¹, Bruno Bitaraes¹, Koiti Araki¹, Henrique Eisi Toma¹, Mauro Bertotti¹; ¹Universidade de São Paulo
- 17:45 Electrochemical study of the interaction of Garcinia mangostana extract with carbon nanotubes** **A.P2.103**
Thaise Almeida Silva¹, Antônio Santana Santos¹, Erica Cristina Almeida¹, Ronaldo Carvalho da Silva¹, Cristina Pungartnik¹, Luiz Carlos Salay¹;
¹Universidade Estadual de Santa Cruz
- 17:45 Electrochemical aspects of the interaction of the enzyme lipase from Candida rugosa with carbon nanotubes** **A.P2.104**
Flávia dos Santos Gomes¹, Thaise Almeida Silva¹, Marcelo Franco¹, Erica Cristina Almeida¹, Antônio Santana Santos¹, Luiz Carlos Salay¹; ¹Universidade Estadual de Santa Cruz
- 17:45 Reduced graphene oxide/ δ -WO₃ composites for volatile organic compounds sensing** **A.P2.105**
Tarcísio Micheli Perfecto¹, Cecilia de Almeida Zito¹, Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"

- 17:45 Effects of Funcionalization in Fluoropolymers/Multiwalled Carbon Nanotubes Nanocomposites** **A.P2.106**
Cristina Angioletto Pozenato¹, Pedro Arthur Castro¹, Rene Ramos de Oliveira¹, Sandra Regina Scagliusi¹, Ademar Benévolo Lugão¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Intercalation and exfoliation mechanism of kaolinite during the emulsion polymerization** **A.P2.107**
 José Costa de Macêdo Neto¹, Nayra Reis Nascimento², Arlindo Pires Lopes¹, Adriana Alencar Santos³, Ivanei Ferreira Pinheiro²; ¹Universidade do Estado do Amazonas, ²Universidade Estadual de Campinas, ³Universidade Federal do Amazonas
- 17:45 Piezoresistance in multicomponent polyurethane composite and carbon black under charge/discharge mechanical** **A.P2.108**
Eliraldrin Amorin de Sousa¹, Elen Poliani da Silva Arlindo², Walter Katsumi Sakamoto¹, José Antonio Malmonge¹, Gilberto Campos Fuzari Junior²; ¹Faculdade de Engenharia/UNESP-IS, ²Universidade Federal de Mato Grosso
- 17:45 Synthesis and application of nanocomposite based on multi-walled carbon nanotubes grafted by polyvinylpyridine for the preconcentration of Cd(II)** **A.P2.109**
Jhessica de Cássia Mendonça¹, Kristiany Moreira Diniz¹, Mariana Gava Segatelli¹, Fabio Antonio Cajamarca Suquila¹, César Ricardo Teixeira Tarley^{1,2}; ¹Universidade Estadual de Londrina, ²Instituto Nacional de Ciência e Tecnologia (INCT) de Bioanalítica
- 17:45 Photocatalytic activity of reduced graphene oxide/NiO composites obtained by microwave-assisted hydrothermal** **A.P2.110**
Cristiane da Silva Fonseca¹, Gabriela Byzynski Soares², Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Química de Araraquara/UNESP
- 17:45 Hybrid platform based on graphene/conducting polymer for applications in a chemical sensor** **A.P2.111**
Murilo Henrique Moreira Facure^{1,2}, Luiza Amim Mercante², Rafaela Cristina Sanfelice², Fernanda Lanzoni Migliorini², Daniel Souza Corrêa²; ¹Universidade Federal de São Carlos, ²Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos
- 17:45 Preparation of graphene oxide and reduced graphene oxide: evaluation of experimental parameters** **A.P2.112**
Thuany Maraschin¹, Leíse Serena Pasa¹, José Antonio Malmonge², Nara Regina de Souza Basso¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul, ²Campus de Ilha Solteira
- 17:45 Methods of preparing carbon nanotubes** **A.P2.113**
EDINILSON JOSÉ SLABEI¹, Alfredo Bruger Junior¹, Elias da Costa^{1,2}, Gino Capobianco¹; ¹Faculdades Integradas do Vale do Iguaçu, ²Universidade Estadual do Paraná
- 17:45 Electronic structure and optical properties of the ZnS/PMMA nanocomposites** **A.P2.114**
Isabela Rosado Belê¹, Murilo Pires de Lima¹, Mateus Vinicius de Paiva¹, Rodrigo Furquim Ghiraldi¹, Walmir Eno Pöttker¹, Elson Longo², Felipe Almeida La Porta¹; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Química de Araraquara/UNESP

- 17:45 One-pot microwave-assisted hydrothermal synthesis of CuO-reduced graphene oxide nanocomposites for gas sensing** **A.P2.115**
Marco Antonio Modenes Junior¹, Tarcísio Micheli Perfecto², Diogo Paschoalini Volanti²; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Universidade Estadual Paulista
- 17:45 Sonication effect at Graphene Oxide in Acetone** **A.P2.116**
Felipe Sales Brito¹, Karla Faquine Rodrigues^{1,2}, Beatriz Rossi Canuto de Menezes¹, Wesley Franceschi¹, Filipe Vargas Ferreira¹, Cintia Rosa^{2,3}, Beatriz Carvalho Silva^{1,2}, Gilmar Patrocínio Thim¹; ¹Instituto Tecnológico de Aeronáutica, ²Universidade do Vale do Paraíba, ³Instituto Tecnológico da Aeronáutica,
- 17:45 Conductive paper produced with a cellulose-CNT composite** **A.P2.117**
Gabriel Kavilhuka Metzger¹, Rosieli Lemes de Farias², Irineu Hattenhauer³, Celso de Araujo Duarte¹, Evaldo Ribeiro¹; ¹Universidade Federal do Paraná, ²Klabin Ortigueira, ³Fundação Universidade do Estado de Santa Catarina
- 17:45 CHARACTERIZATION OF SLAG PORTLAND CEMENT MANUFACTURED WITH CARBON NANOTUBES** **A.P2.118**
Ana Elisa da Silva Dias¹, Jose Marcio F Calixto¹, Luiz Orlando Ladeira¹, Tarcizo Cruz Souza², Lucas Ladeira¹, Paulo Henrique Vaz Silva¹, Rodrigo da Costa Macedo¹; ¹Universidade Federal de Minas Gerais, ²Centro de Tecnologia em Nanotubos de Carbono
- 17:45 Thermal and mechanical characterization of UHMW-PE/LLDPE blend-based carbon nanotubes nanocomposite** **A.P2.119**
Bruna Cristina da Silva¹, Fabio Roberto Passador¹, Caroline Martins dos Santos^{2,1}; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade Federal de São Paulo
- 17:45 Biosensor based on graphene oxide with gold nanoparticles.** **A.P2.120**
Glenda Biasotto¹, João Paulo de Campos da Costa¹, Paulo Inácio da Costa², Maria Ap. Zaghete¹, Elson Longo¹; ¹Instituto de Química de Araraquara/UNESP, ²Faculdade de Ciências Farmacêuticas de Araraquara/UNESP
- 17:45 Fullerene nanocomposites based on poly(lactic acid)** **A.P2.121**
Maria Clara Guimarães Pedrosa¹, Lívia de Rodrigues Menezes¹, Jose Carlos Dutra Filho¹, Emerson Oliveira da Silva¹; ¹Instituto de Macromoleculas Professora Eloisa Mano
- 17:45 Graphene-based systems for biological delivery** **A.P2.122**
Julio Cesar Silva¹, Raigna Augusta da Silva Zadra Armond¹, Tome Mauro Schmidt¹; ¹Universidade Federal de Uberlândia
- 17:45 Study of natural graphite exfoliation to obtain graphene nanobelts using sonication process** **A.P2.123**
Mara Canesqui¹, Marina Fernandes Cosate de Andrade², Julio Roberto Bartoli², Geraldo Magela Trindade³, Ueverson Barros Lima³, Antônio Sérgio Souza³, Stanislav Moshkalev¹; ¹Centro de Componentes Semicondutores-UNICAMP, ²Faculdade de Engenharia Química - UNICAMP, ³Nacional de Grafite
- 17:45 Carbon Thin Films from Solvent Exfoliated Graphite** **A.P2.124**
Eric Tsuneki Yoshiura Ono¹, Gustavo de Mello Correa Marinho Rodrigues¹, Jessica de Carvalho Arjona¹, Jessica Silva Santos¹, Mônica Akemi Bando¹, Satoru Yoshida¹, Yuri Sato Sophia¹, Shu Hui Wang¹; ¹Escola Politécnica de Universidade de São Paulo

- 17:45 Graphene oxide polymer nanocomposite** **A.P2.125**
ANDRESSA DE AGUIAR OLIVEIRA¹, MAURO CESAR TERENCE¹, Juan Alfredo Guevara Carrió¹; ¹Universidade Presbiteriana Mackenzie
- 17:45 Composite membranes based on polymeric nanofibers/graphene oxide with dye sorption capability** **A.P2.126**
Luiza Amim Mercante¹, Murilo Henrique Moreira Facure^{2,3}, Danilo Locilento^{2,1}, Fernanda Lanzoni Migliorini³, Rafaela Cristina Sanfelice³, Luiz Henrique Capparelli Mattoso¹, Daniel Souza Corrêa^{2,1}; ¹Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Empresa Brasileira de Pesquisa Agropecuária
- 17:45 The stability and properties of polystyrene/kaolinite nanocomposites by emulsion polymerization** **A.P2.127**
José Costa de Macêdo Neto¹, Telma Regina Nogueira², Liliane Maria Ferrareso Lona², Ivanei Ferreira Pinheiro³; ¹Universidade do Estado do Amazonas, ²Faculdade de Engenharia Química, ³Universidade Estadual de Campinas
- 17:45 Dispersion of Graphene Oxide in Liquid Sodium Silicate with High SiO₂:Na₂O Ratio** **A.P2.128**
Tiago Serodre¹, Jefferson Patrício Nascimento¹, Valdirene Gonzaga de Resende², Flávio de Castro Dutra², Adelina Pinheiro Santos¹, Clascídia A. Furtado¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Vale S. A.
- 17:45 Influence of the applied bias voltage in a-C:H film deposited on Ti6Al4V by using a modified pulsed DC-PECVD system** **A.P2.129**
Dubrazkha Carolina Lugo¹, Marco Antonio Ramírez², Patrícia Cristiane Santana da Silva¹, Evaldo José Corat¹, Vladimir Jesús Trava-Airoldi¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Universidade Federal de São Paulo
- 17:45 Performance analysis of the reduced graphene oxide/carbon fiber binary composite as electrode for supercapacitor application** **A.P2.130**
Dalva Alves de Lima Almeida¹, Andrea Boldarini Couto¹, Murilo Henrique Moreira Facure^{2,3}, Daniel Souza Corrêa³, Neidenei Gomes Ferreira¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Embrapa Instrumentação
- 17:45 Investigation by Mechanical Spectroscopy of the nucleation processes in amorphous Cu-Zr-Al alloys** **A.P2.131**
Paulo Wilmar Barbosa Marques¹, Odila Florencio¹, Paulo Sérgio da Silva Junior¹, Felipe Henrique Santa Maria², Javier Andrés Munoz Chaves², Ariel Moreno-Gobbi³, Luís César Aliaga¹, Walter José Botta¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Escola de Engenharia de São Carlos/USP, ³Universidad de la República
- 17:45 Interactions of 2D-2D structures: graphene oxide and hydrotalcite** **A.P2.132**
Marcelo de Sousa¹, Ana Carolina Mazarin de Moraes¹, Leandro Carneiro Fonseca¹, Luis Visani Luna¹, Diego Stéfani Tedoro Martinez², Oswaldo Luiz Alves³; ¹Institute of Chemistry-UNICAMP, ²Brazilian Center for Research in Energy and Materials, ³Instituto de Química - UNICAMP
- 17:45 Thermal stability of poly(ethylene-co-vinyl acetate)/bentonite composites: effect of the ionic and non ionic modifier** **A.P2.133**
Reinaldo Yoshio Morita¹, Evelyn Nery de Santana Marculino¹, Juliana Regina Kloss¹; ¹Universidade Tecnológica Federal do Paraná

- 17:45 Tailoring multifunctional graphene-based materials: from SERS substrates to nanocatalysts** **A.P2.134**
Jéssica Eliza Silva Fonsaca¹, Ana Laura Elías², Thomas Golin Almeida¹, Sergio H. Domingues³, Marcela Mohallem Oliveira⁴, Mauricio Terrones², Elisa S Orth¹, Aldo J.G. Zarbin¹; ¹Universidade Federal do Paraná, ²Pennsylvania State University, ³Universidade Presbiteriana Mackenzie, ⁴Universidade Tecnológica Federal do Paraná
- 17:45 Synthesis of carbon nanotubes by PECVD adjusted by total flux of process gases** **A.P2.135**
Diego Edison Lopez Silva¹, Deissy Johanna Feria Garnica¹, Inès Pereyra¹; ¹Escola Politecnica da USP
- 17:45 Influence of MWCNT:PANI ratio in sensors applied to ammonia (NH₃) detection** **A.P2.136**
Marcelo Eising¹, Carlos Eduardo Cava², Rodrigo Villegas Salvatierra¹, Aldo J.G. Zarbin¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná, ²Universidade Tecnológica Federal do Paraná
- 17:45 Ultrasound-assisted dispersion of graphene oxide: highly efficient in anionic and non-ionic surfactants removal from water** **A.P2.137**
Patricia Prediger¹, Tauany de Figueiredo Neves¹, Carlos Henrique Guimarães¹, Bruno Pionte¹, Thais Cheminski¹, William Bardelin Nunes¹, Carlos Roque D. Correia²; ¹School of Technology, UNICAMP, Limeira-SP, Brazil, ²Instituto de Química - UNICAMP
- 17:45 Plasmonic properties of hyperbranched silver-fibroin composite synthesized via a green pathway** **A.P2.138**
Josias Rogério Lopes¹, Diego Stefani Teodoro Martinez², Marisa Masumi Beppu³, Marcos Akira d'Ávila¹, Elias de Barros Santos⁴; ¹Faculdade de Engenharia Mecânica-UNICAMP, ²Centro Nacional de Pesquisa em Energia e Materiais, ³Faculdade de Engenharia Química - UNICAMP, ⁴Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Enhanced biosensing performance of a tyrosinase biosensor architected on functionalized carbon black** **A.P2.139**
Glenda Gisela Ibanez¹, Tiago Almeida², Fernando Campanhã², Orlando Fatibello Filho²; ¹Instituto de Física de São Carlos, ²Universidade Federal de São Carlos
- 17:45 Production and characterization of hybrid reduced graphene oxide dispersions using different polymers** **A.P2.140**
Wagner Anacleto Pinheiro¹, Maria Iliut², Monica Alberto², Jacek Wychowanec², Aravind Vijayaraghavan²; ¹Instituto Militar de Engenharia, ²University of Manchester
- 17:45 Fabrication of devices based in graphene materials: nanotechnology applications** **A.P2.141**
Henrique Ferreira¹, Lucila Menacho², Ana Champi³, Maria Quintana³, Ana Champi¹; ¹Universidade Federal do ABC, ²Universidad Nacional Mayor de San Marcos, ³Universidad Nacional de Ingeniería
- 17:45 Compact glassy carbon obtained from the powder phase.** **A.P2.142**
Marina Judice Silva¹, Fábio Dondeo Origo²; ¹Federal University of São Paulo, ²Instituto de Estudos Avançados

- 17:45 Organic bentonites-HIPS nanocomposites. Influence of EB radiation on the mechanical properties** **A.P2.143**
Francisco J. Mondelo Garcia¹, Amanda Robau Porrua¹, Giselle Fe Colls¹, Esperidiana A. B. Moura², Maria das Graças da Silva Valenzuela³, Tania Rodriguez Moliner¹, Jose Luis Valin Rivera^{1,3}, Francisco Rolando Valenzuela Diaz³; ¹Instituto Superior Politécnico José Antonio Echeverría, ²Instituto de Pesquisas Energéticas e Nucleares, ³Escola Politecnica da USP
- 17:45 Voids characterization by optical microscopy on glass fiber composites** **A.P2.144**
Cláudia Luisa Mendes¹, Carlos Alberto Soufen¹, Guilherme Lima Lopes¹, Tais Lopes Brandino², Marcelo Capella Campos³; ¹Faculdade de Engenharia - Campus de Bauru, ²Faculdade de Ciências/Bauru, ³UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO" - BAURU - SP
- 17:45 EXPERIMENTAL INVESTIGATION OF THE MECHANICAL BEHAVIOR OF SPOT WELDING-ADHESIVES JOINTS** **A.P2.145**
Juliana Primo Basílio de Souza¹, Ricardo Alexandre Amar de Aguiar², Hector Reynaldo Menezes Costa¹, João Marciano Laredo dos Reis³; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ²CENTRO FEDERAL DE EDUCAÇÃO TECNOLÓGICA DO RIO DE JANEIRO, ³Universidade Federal Fluminense
- 17:45 Influence of ionic liquids on the properties of SBA-15:CeO₂-Mn_yO_x nanocomposites** **A.P2.146**
Danilo Gomes Genaro¹, Fernanda Ferraz Camilo¹, Tereza Silva Martins¹; ¹Universidade Federal de São Paulo - Campus de Diadema
- 17:45 Advanced ceramics reinforced with carbon nanotubes for ballistic application** **A.P2.147**
Carlos Alberto de Oliveira Couto¹, Fabio Roberto Passador¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Graphene oxide preparation with different sonication times** **A.P2.148**
Jesus Eduardo Gonzalez Ruiz¹, Lais Ronconi², Lourdes Marcela Yataco Lazaro³, Rene Collazo Carceller⁴, Maria das Graças da Silva Valenzuela⁵, Esperidiana B. Moura⁶, Jose Luis Valin Rivera², Tania Rodriguez Moliner⁴, Francisco Rolando Valenzuela Diaz²; ¹Centro de Biomateriales, ²Escola Politécnica de Universidade de São Paulo, ³Faculdade de Ciências Farmacêuticas da USP, ⁴Instituto Superior Politécnico José Antonio Echeverría, ⁵Fundação Universidade Federal do Abc, ⁶Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Influence of filler in the mechanical and electrical properties of epoxy-based adhesives** **A.P2.149**
Juliana Primo Basílio de Souza¹, Ricardo Alexandre Amar de Aguiar¹, Hector Reynaldo Menezes Costa¹, João Marciano Laredo dos Reis², Mbela Mabaya¹; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ²Universidade Federal Fluminense
- 17:45 A study of luminescence property of graphene oxide produced by electrochemical method** **A.P2.150**
Rodolfo Bonoto Estevam¹, Rodolfo Thiago Ferreira¹, Gustavo Marciniuk¹, Fábio Santana dos Santos¹, Alex Vieira Pedroso¹, Jarem Raul Garcia Garcia¹, Ariane Silva Ribas¹, Andressa Oliveira Rodrigues¹, Felipe Tadashi Kasuga¹; ¹Universidade Estadual de Ponta Grossa

- 17:45 Study of magnetic properties of Fe-encapsulated into Carbon nanotubes growth by methane chemical vapor deposition on fluidized bed reactor** **A.P2.151**
Alexander Caytuero Villegas¹, Hugo Alvarenga Oliveira¹, Fabio Barboza Passos¹, D. F. Franceschini¹, Elisa Baggio Saitovitch²; ¹Universidade Federal Fluminense, ²Centro Brasileiro de Pesquisas Físicas

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION A.OR7 (09:45 - 10:45) - Room Auditório

- 09:45 Graphene and 2-D Layered Chalcogenide Based Composite Paper Electrodes for Electrochemical Energy Storage Applications** **A.OR7.26***
Gurpreet Singh
- 10:15 Study of graphene oxide doped with silver for sensors application** **A.OR7.27**
Marina Sparvoli¹, Felipe Banin¹, Arthur Fernandes Nogueira Cesarino¹, Mauro Pinheiro Silva²; ¹Universidade Federal do ABC, ²Faculdades Oswaldo Cruz
- 10:30 Carbon Nanotubes Functionalized with Benzoic Acid by Non-acid Route to Application in Sensors** **A.OR7.28**
Elaine Cavalcanti Rodrigues Vaz¹, Janaína Versiani dos Anjos¹, Petrus d'Amorim Santa-Cruz¹, Rosa Fireman Dutra¹; ¹Universidade Federal de Pernambuco

SESSION A.OR8 (11:15 - 12:00) - Room Auditório

- 11:15 Surface Engineering of Graphene Oxide for Theranostic Cancer Application** **A.OR8.29**
Juliana Paiva¹, Miguel Jafelicci Júnior¹, Rodrigo Fernando Costa Marques¹; ¹Instituto de Química de Araraquara/UNESP
- 11:30 The meeting of the macromolecules with the world of two-dimensional materials** **A.OR8.30***
Guilhermino José Macedo Fechine¹; ¹Universidade Presbiteriana Mackenzie

SESSION A.OR9 (14:00 - 16:15) - Room Auditório

- 14:00 Free standing, flexible and highly-conductive films fabricated using multilayer graphene nanobelts** **A.OR9.31**
Stanislav Moshkaley¹, Mara Canesqui¹, Raluca Savu¹, Andrei Alaferdov¹, Alfredo Vaz¹, Geraldo Magela Trindade², Ueversson Barros Lima², Antônio Sérgio Souza², Peter Jürgen Tatsch³; ¹Universidade Estadual de Campinas, ²Nacional de Grafite, ³University of Campinas

- 14:15 Interlaminar fracture toughness analysis of co-bonded and secondary bonding adhesive joints in carbon composites under mode II tests** **A.OR9.32**
Camila Belo Gomes Brito¹, Rita de Cássia Mendonça Sales^{1,2}, Ricardo Francisco Gouvêa¹, Arthur Scaglioni de Oliveira², Tanila Penteado de Faria Gonzales Leal³, Mariano Andrés Arbelo¹, Mauricio Vicente Donadon¹;
¹Instituto Tecnológico de Aeronáutica, ²Faculdade de Tecnologia Professor Jessen Vidal, ³Empresa Brasileira de Aeronáutica
- 14:30 Simulation-based Understanding of 2D Materials: Graphene Healing and Carbon Nitride Photocatalysts** **A.OR9.33***
Tiago Botari¹, Volker Blum², Douglas Soares Galvão¹; ¹University of Campinas, ²Duke University
- 15:00 Carbon Nanotubes and Graphene: A Comparative Investigation on Hybrid Nanocomposites** **A.OR9.34**
Antonio Avila¹, Nathalia Caroline Ferreira Menezes¹, Martin Cruickshank², Iain Mckenzie², Suchilla Garcia Leão³, Fernanda Lima¹, Camila F Silva³, Guilherme Arantes³, Marina G Martins³; ¹Universidade Federal de Minas Gerais, ²University of Strathclyde, ³Universidade Federal De Minas Gerais
- 15:15 α -amilase immobilization onto ZnO-GO nanocomposites** **A.OR9.35**
Laura Raldi Canal¹, Márcio André Miranda^{2,3}, Hiroshi Aoyama², Talita Mazon¹;
¹Centro de Tecnologia da Informação Renato Archer, ²Instituto de Biologia - Universidade Estadual de Campinas, ³Instituto Federal de Educação, Ciência e Tecnologia de São Paulo - Campus Campinas
- 15:30 PMMA-Silica anticorrosive coatings reinforced by graphene oxide and carbon nanotubes** **A.OR9.36**
Peter Hammer¹, Samarah Vargas Harb², Sandra Helena Pulcinelli¹, Celso Valentim Santilli¹, Kevin M Knowles³; ¹Universidade Estadual Paulista, ²Instituto de Química de Araraquara/UNESP, ³University of Cambridge
- 15:45 Thermal Conductivity Analysis of Carbon Composites** **A.OR9.37**
Sarah Ackermann¹; ¹C-Therm Technologies, Ltd.
- 16:00 A New Multilayer TiO₂ film** **A.OR9.38**
Leinig Antonio Perazolli¹, Glaucio Oliveira Testoni¹, Marcelo Vianna Nogueira¹, Carla Yuri Kisen¹, Vinícius Teodoro¹, Maria Ap. Zaghete¹; ¹UNESP - Instituto de Química de Araraquara

SYMPOSIUM B - Nanocellulose materials: the keystone for a plethora of multifunctional applications

Symposium organizers:

Dr. Daniela Nunes (*Universidade Nova de Lisboa*)
Dr. Ari Alastalo (*VTT Technical Research Centre of Finland LTD*)
Dr. David Guerin (*Centre Technique du Papier*)
Prof. Dr. Antonio José Felix de Carvalho (*USP*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION B.OR1 (09:45 - 10:45) - Room Jacarandá

- 10:00 X-ray diffraction as a powerful tool to analyze the crystallinity of samples with cellulose mixed polymorphs: a comparison between methods** **B.OR1.1**
Karen de Souza do Prado¹, Márcia Aparecida da Silva Spinacé¹; ¹Fundação Universidade Federal do Abc
- 10:15 Paper electronics: a strategic area of the industry of the future** **B.OR1.2***
Rodrigo Ferrão de Paiva Martins¹, Diana Gaspar¹, Luis Pereira¹, Elvira Maria Correia Fortunato¹; ¹I3N/CENIMAT - Department of Materials Science, Faculty of Sciences and Technology, Universidade NOVA de Lisboa, Campus de Caparica, 2829-516 Caparica

SESSION B.OR2 (11:15 - 12:00) - Room Jacarandá

- 11:15 Soybean straw cellulose nanofibrils as reinforcing filler in soy protein films** **B.OR2.3**
Milena Martelli Tosi¹, Natália Cristina Silva², Bruno Esposto², Odílio B. G. Assis³, Delia Rita Tapia-Blácido²; ¹Faculdade de Zootecnia e Engenharia de Alimentos, ²Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - USP, ³Embrapa Instrumentação
- 11:30 Organic Thin-Film Transistors on Commercially Available Paper** **B.OR2.4***
Hagen Klauk¹; ¹Max Planck Institute for Solid State Research

SESSION B.OR3 (14:00 - 16:15) - Room Jacarandá

- 14:00 Optical properties of cornstarch-based films incorporated with cellulose nanofibrils** **B.OR3.5**
Thais Ferreira da Silva¹, Kelen Cristina dos Reis¹, Gustavo H. D. Tonoli¹; ¹Universidade Federal de Lavras
- 14:15 Cellulose nanofibers from native and planted Brazilian hardwoods - films and biodegradable composites** **B.OR3.6***
Lourival Marin Mendes¹; ¹Universidade Federal de Lavras
- 14:45 Optically transparent cellulose nanopaper from curauá leaves fibers** **B.OR3.7**
Pedro Ivo Cunha Claro¹, Alfredo Sena², Vanessa Bolzan Rodrigues¹, Anderson Felix Manoel³, Luiz Henrique Capparelli Mattoso⁴, José Manoel Marconcini⁴; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de Lavras, ³Universidade Federal do ABC, ⁴Embrapa Instrumentação
- 15:00 Paper: an Advanced (Nano-) Material ?** **B.OR3.8***
Robert Schennach¹; ¹Graz University of Technology

- 15:30 Bacterial cellulose nanocomposite as a platform for flexible organic devices B.OR3.9***
Marco Cremona¹, Sidney José Lima Ribeiro², Hernane Silva Barud², Vanessa Luz e Calil¹, Cristiano Legnani³, Welber Gianini Quirino³; ¹Department of Physics, Pontifical Catholic University of Rio de Janeiro - PUC-Rio, 22451-900, Rio de Janeiro, RJ, Brazil., ²Institute of Chemistry, São Paulo State University - UNESP, CP 355, 14801-970, Araraquara, SP, Brazil, ³Department of Physics, Federal University of Juiz de Fora, 36036-900, Juiz de Fora, MG, Brazil
- 16:00 Designing with sustainable materials: toys for children safety B.OR3.10**
Luciana Pereira¹, Gerson Luiz Mantovani¹, Rovilson Mafalda¹, Ricardo Gaspar¹, Leandro Martins Pereira¹, Francis Kley Moreira², José Manoel Marconcini², Luiz Henrique Capparelli Mattoso²; ¹Universidade Federal do ABC, ²Embrapa Instrumentação

Poster presentations

SESSION B.P1 (17:45 - 19:30)

- 17:45 Production of nanocellulose stabilized silver nanoparticles and their antimicrobial activity against *Xanthomonas axonopodis* pv. *citri* B.P1.1**
Caio Henrique Nasi de Barros¹, Ljubica Tasic¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Cellulose Nanocrystals/Polysilsesquioxane Gels B.P1.2**
Daniela de Moraes Zanata¹, Liliane Cristina Battirola¹, Maria do Carmo Gonçalves¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Self assembled fibers of chitosan and TEMPO modified nanofibrils of cellulose B.P1.3**
Rafael Grande
- 17:45 Mechanical properties of thermoplastic waxy starch (TPWS) films reinforced with cellulose nanocrystals (CNC) from macaúba B.P1.4**
Anderson Felix Manoel¹, Pedro Ivo Cunha Claro², José Manoel Marconcini³, Gerson Luiz Mantovani¹; ¹Universidade Federal do ABC, ²Universidade Federal de São Carlos, ³Embrapa Instrumentação
- 17:45 Preparation of nanocomposites based on nanofibrils of cellulose and acrylic matrix for rigid panels B.P1.5**
Emanoele Maria Santos Chiromito¹, Eliane Trovatti¹, Antonio Jose Felix Carvalho¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Isothermal Crystallization Kinetics of PLA/Cellulose nanocrystals: Effect of amphiphilic molecule as a compatibilizer B.P1.6**
Idejan Padilha Gross¹, Mauro Vestena², Alfredo Tiburcio Nunes Pires¹; ¹Universidade Federal de Santa Catarina, ²Universidade Tecnológica Federal do Paraná
- 17:45 Beads of TEMPO Modified Cellulose Nanofibers for Cell Delivery B.P1.7**
Antonio Jose Felix Carvalho, Renata Aquino Carvalho, Gabriella Veronese, Eugen Barbu, André Capaldo Amaral, Eliane Trovatti
- 17:45 Development of starch polymeric films reinforced with talc B.P1.8**
Camila Rodrigues Sciena¹, Elaine Cristina Paris², Francine Aline Tavares¹; ¹Universidade Federal de São Carlos, ²Embrapa Instrumentação

- 17:45 Production of polyurethane foams from curauá polyol** **B.P1.9**
Camila Santana Carriço¹, Vânia Duarte Pasa¹; ¹Universidade Federal de Minas Gerais
- 17:45 Assessment of cellulose purification methods from the residue of enzymatic hydrolysis of sugarcane bagasse for the production of cellulose nanocrystals** **B.P1.10**
Lais Angelice de Camargo^{1,2}, Sandra Cerqueira Pereira³, Cristiane Sanchez Farinas², José Manoel Marconcini², Luiz Henrique Capparelli Mattoso²;
¹Universidade Federal de São Carlos, ²Embrapa Instrumentação, ³Universidade Federal da Bahia
- 17:45 Nanofibers of getting in the presence of HAPn at different concentrations to release control drugs** **B.P1.11**
Aline Aparecida Becaro¹, Camila Rodrigues Sciena¹, João Otávio Donizette Malafatti², Elaine Cristina Paris¹, Luiz Henrique Capparelli Mattoso¹; ¹Embrapa Instrumentação, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Manganese ions release from composites of PLA:starch biodegradable fibers** **B.P1.12**
 João Otávio Donizette Malafatti¹, Camila Rodrigues Sciena¹, Wilson Alves Ribeiro Neto¹, Flavia Stefanini Ribeiro¹, Vanessa Priscila Scagion¹, Elaine Cristina Paris²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Embrapa Instrumentação
- 17:45 Three-phase composites of polyurethane/PZT and cellulose nanocrystals** **B.P1.13**
Alex Otávio Sanches¹, Walter Katsumi Sakamoto¹, Luiz Francisco Malmonge¹, Darcy Hiroe Fujii Kanda¹, Michael Jones Silva², José Antonio Malmonge¹;
¹Universidade Estadual Paulista, UNESP/FE - Campus de Ilha Solteira, ²Universidade Estadual Paulista - Campus Rosana
- 17:45 Preparation and characterization of cellulose nanofibers reinforced poly(vinyl alcohol (PVA) composites** **B.P1.14**
Michelle Sostag Meruvia¹, Graciela I. B. Muniz², Daniele Cristina Potulski², Livia Cassia Viana²; ¹Pontifícia Universidade Católica do Paraná, ²Universidade Federal do Paraná
- 17:45 Slow/controlled release fertilizers from a biopolymer-clay matrix using spray drying technique** **B.P1.15**
Débora França^{1,2}, Lucas Luiz Messa¹, Roselena Faez¹; ¹Universidade Federal de São Carlos, ²Universidade de São Paulo
- 17:45 Alginate/cellulose beads as supports for slow-release of nutrient** **B.P1.16**
 Mailson de Matos¹, Bruno Dufau Mattos¹, Washington Magalhães²;
¹Universidade Federal do Paraná, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Green nanocomposites as carriers for slow-release of tebuconazole** **B.P1.17**
 Bruno Dufau Mattos¹, Washington Magalhães²; ¹Universidade Federal do Paraná, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Modification of the wettability of nanocellulose films by SF₆ plasma treatment** **B.P1.18**
Bárbara Estefânia de Almeida Silva¹, Aparecido Junior de Menezes¹, Elidiane Cipriano Rangel², Nilson Cristino Cruz², Adriana Oliveira Delgado-Silva¹;
¹Universidade Federal de São Carlos - campus Sorocaba, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"

- 17:45 Flexible TiO₂/paper platforms for UV/ozone sensing** **B.P1.19**
Daniela Nunes¹, Ana Pimentel¹, Tomas Calmeiro¹, Andréia Araujo¹, Suman Nandy¹, Joana V Pinto¹, Pedro Barquinha¹, Elvira Maria Correia Fortunato¹, Rodrigo Ferrão de Paiva Martins¹; ¹i3N/CENIMAT - Department of Materials Science, Faculty of Sciences and Technology, Universidade NOVA de Lisboa, Campus de Caparica, 2829-516 Caparica
- 17:45 Ultra-fast microwave assisted synthesis of ZnO nanorods on paper substrates for UV sensor application** **B.P1.20**
Ana Pimentel¹, Daniela Nunes¹, Andréia Araujo¹, Rodrigo Ferrão de Paiva Martins¹, Elvira Maria Correia Fortunato¹; ¹i3N/CENIMAT - Department of Materials Science, Faculty of Sciences and Technology, Universidade NOVA de Lisboa, Campus de Caparica, 2829-516 Caparica
- 17:45 Nanocomposite electrospun fibers based on polyamide 6 and cellulose whiskers** **B.P1.21**
Kelcilene B. R. Teodoro^{1,2}, Daniel Souza Corrêa^{1,2}; ¹Universidade Federal de São Carlos, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Synthesis and Characterization of Nanocomposites based on Poly(Vinyl Alcohol)/ Poly(aniline)/Nanocellulose (PVA/PANI/NC)** **B.P1.22**
Cristine Costa Fulchini¹, Rodrigo Kenji de Oliveira¹, Luis Marcelo G da Silva¹, Ana Carolina Corrêa², José Manoel Marconcini², Everaldo Carlos Venancio¹; ¹Universidade Federal do ABC, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Extraction of cellulose nanofibers from coffee residues** **B.P1.23**
Anny Manrich¹, Camila Pasquoloto^{2,1}, Jheyce Cristina Moraes^{2,1}, Maria Alice Martins¹; ¹Embrapa Instrumentação, ²Universidade Federal de São Carlos
- 17:45 Extraction of cellulose nanofibers from Pinus oocarpa residues** **B.P1.24**
Anny Manrich¹, Jheyce Cristina Moraes², Camila Pasquoloto², Maria Alice Martins¹; ¹Embrapa Instrumentação, ²Universidade Federal de São Carlos
- 17:45 Direct growth of plasmonic nanorod forests on paper substrate for low-cost flexible SERS platforms** **B.P1.25**
Andréia Araujo¹, Ana Pimentel¹, Maria João Oliveira¹, Manuel J. Mendes¹, Ricardo Franco², Elvira Maria Correia Fortunato¹, Hugo Águas¹, Rodrigo Ferrão de Paiva Martins¹; ¹i3N/CENIMAT - Department of Materials Science, Faculty of Sciences and Technology, Universidade NOVA de Lisboa, Campus de Caparica, 2829-516 Caparica, ²REQUIMTE, UCIBIO, Departamento de Química, Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa
- 17:45 Nanocomposites of thermoplastic starch (TPS) with poly (ε-caprolactone) (PCL) and cellulose nanofibers from oil palm mesocarp fibers (OPMF)** **B.P1.26**
Bruno Luchesi¹, Vanessa Bolzan Rodrigues¹, Pedro Ivo Cunha Claro¹, Luiz Sanches¹, ADRIANA CAMPOS², Ana Carolina Corrêa², Alfredo Sena³, Luiz Henrique Capparelli Mattoso², José Manoel Marconcini²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Embrapa Instrumentação, ³Universidade Federal de Lavras
- 17:45 Cellulose nanocrystals from bamboo fiber using high intensity ultrasound** **B.P1.27**
Asaph Armando Jacinto¹, Márcia Aparecida da Silva Spinacé¹; ¹Universidade Federal do ABC
- 17:45 Giving value from waste: sugarcane bagasse nanocellulose for material applications** **B.P1.28**
Elisa Silva Ferreira¹, Camila Alves de Rezende¹; ¹Instituto de Química - UNICAMP

- 17:45 Cellulose whiskers extracted from elephant grass** **B.P1.29**
Sandra Américo do Nascimento¹, Camila Alves de Rezende¹; ¹Universidade Estadual de Campinas
- 17:45 Characterization of Xanthan gum as solid electrolyte** **B.P1.30**
César Antonio Oropesa Avellaneda¹, Fabiele Collovini Tavares², Doris Sippel Dörr³, Andressa Peglow Lüdtke¹; ¹Universidade Federal de Pelotas, ²Universidade Federal do Rio Grande do Sul, ³Universidade de Santa Cruz do Sul
- 17:45 Enzymatic hydrolysis of Caroá (*Neoglaziovia variegata*) fiber for nanocellulose** **B.P1.31**
Daniele Fernanda Chiarelli Gonçalves¹, Alcides Lopes Leão¹, Walter Ruggeri Waldman², Fábio de Lima Leite², Ariana de Souza Moraes², Germano Andrade Siqueira³, Djanira Rodrigues Negrão¹, Mario de Oliveira Neto¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Universidade Federal de São Carlos - campus Sorocaba, ³Escola de Engenharia de Lorena/USP
- 17:45 Enzimatic treatment of kraft lignin with a multi enzymatic crude extract: a study of chemical structure of enzyme-modified lignin by FTIR** **B.P1.32**
Djanira Rodrigues Negrão¹, Gleison Souza², Daniele Fernanda Chiarelli Gonçalves¹, Larisa Baldo Arruda³, Tadeu Antônio Fernandes Silva Júnior⁴, Alcides Lopes Leao¹, Regina Teresa Rosim Monteiro²; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Centro de Energia Nuclear na Agricultura, ³Faculdade de Ciências/Bauru, ⁴Universidade do Sagrado Coração
- 17:45 Nanostructured polyelectrolyte multilayers formed by layer-by-layer (LbL).** **B.P1.33**
Ricardo Klaus Kramer¹, Antonio Jose Felix Carvalho¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Influence of cellulose particles in the EVA for use in packaging** **B.P1.34**
Amanda Ramos Melo¹, Lívia de Rodrigues Menezes¹, Emerson Oliveira da Silva¹, Maria Inês Bruno Tavares¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Silver-decorated cellulose nanocrystals: preparation and application for nanocomposite morphological investigation** **B.P1.35**
Luiz Guilherme Lomônaco Germiniani¹, Patricia Fernanda Andrade¹, Lilian Goulart Schultz¹, Maria do Carmo Gonçalves¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Incorporation of ZrO₂ nanoparticles in cellulose acetate matrices** **B.P1.36**
Eupídio Scopel¹, Patrick Conti¹, Catia Pereira Barcellos¹, Tamires Lacerda da Silva¹, Edson Roberto Leite², Cleocir José Dalmaschio¹, Carla da Silva Meireles¹; ¹Universidade Federal do Espírito Santo, ²Universidade Federal de São Carlos
- 17:45 Synthesis and characterization of renewable polyurethane foams from liquefied macaúba pulp** **B.P1.37**
Camila Santana Carriço¹, Marcela Lacerda¹, Brenno Santos Leite², Vânia Duarte Pasa¹; ¹Universidade Federal de Minas Gerais, ²Universidade Federal de Viçosa

SYMPOSIUM C - Symposium on complex advanced materials: from novel superconductors to magnetic nanostructures

Symposium organizers:

Marcelo Knobel (*IFGW - Unicamp*)

Surender Kumar Sharma (*UFMA*)

Pascoal José Giglio Pagliuso (*IFGW-Unicamp*)

Marcos de Abreu Ávila (*GMQ-UFABC*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION C.OR1 (09:45 - 10:45) - Room Carvalho I

- 09:45 When superconductivity is magnetic - the case of CeCoIn₅** **C.OR1.1***
Andrea D Bianchi¹; ¹Montreal University
- 10:15 Conduction electrons mediating the evolution from low-*T* AFM to high-*T* FM ordering in Gd(Co_{1-y}Fe_y)₂Zn₂₀ (0 < y < 1)**
Michael Cabrera Baez¹, Andrés Naranjo Uribe², Jorge Mario Osorio Guillén², Carlos Rettori^{1,3}, Marcos de Abreu Avila¹; ¹Universidade Federal do ABC, ²Universidad de Antioquia, ³Instituto de Física Gleb Wataghin - UNICAMP
- 10:30 Iron Phthalocyanine in contact with ferromagnetic thin films: some results and perspective**
Emilia Annese^{1,2}, Giovanni Di Santo³, Fadi Choueikani⁴, Edwige Otero⁴, Philippe Ohresser⁴, Julio Criginski Cezar¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Elettra Synchrotron, ³ST-INSTM laboratory, Elettra Sincrotrone Trieste, s.s. 14km 163.5, 34149 Trieste, ⁴Synchrotron SOLEIL

SESSION C.OR2 (11:15 - 12:00) - Room Carvalho I

- 11:15 Economically attractive route for the synthesis of high quality magnetic nanoparticles** **C.OR2.3***
Liane M. Rossi¹, Fernando B. Effenberger^{1,2}, Ricardo A. Couto¹, Pedro K. Kiyohara³, Sueli H. Masunaga³, Renato F. Jardim³; ¹Instituto de Química - USP, ²Centro Universitário FEI, ³Instituto de Física-USP
- 11:45 Magnetic behavior in reduced and oxidized LiNbO₃:Fe particles.** **C.OR2.4**
Rurik Farias¹, Cesar Fierro-Ruiz¹, José Elizalde-Galindo¹, Juan Hernandez-Paz¹; ¹Universidad Autónoma de Ciudad Juarez

SESSION C.OR3 (14:00 - 16:15) - Room Carvalho I

- 14:00 Magnetic nanoparticles: biological and catalytic applications** **C.OR3.5***
Célia Machado Ronconi¹, Evelyn Christyan da Silva Santos¹, Gustavo Bezerra da Silva¹, Maria Domingues Vargas¹; ¹Universidade Federal Fluminense
- 14:30 Magneto-Plasmonic Nanoparticles For Enhanced Hyperthermia Applications** **C.OR3.6***
Josep Nogues^{1,2}, Elvira Fantechi¹, Alex G. Roca¹, Zhi Li¹, Pau Güell¹, Neus G. Bastús¹, Victor Puntès^{1,2,3}, Borja Ségulveda¹; ¹Catalan Institute of Nanoscience and Nanotechnology, ²ICREA, ³Vall d'Hebron Institut de Recerca
- 15:00 Optical and Magnetic Nanomaterials: Applications in Biomedical Diagnosis and Scintillation** **C.OR3.7***
Latif Ullah Khan¹, Hermi Felinto Brito¹, Magnus Gidlund²; ¹Instituto de Química da Universidade de São Paulo, ²Universidade de São Paulo

- 15:30 Optical and magnetic nanocomposites containing Fe₃O₄ @ZnS coated with green emitting LaF₃: Ce³⁺, Gd³⁺, Tb³⁺ materials** **C.OR3.8**
 Navadeep Shrivastava¹, Latif Ullah Khan², Zahid Ullah Khan², Jose Marcelo Vargas³, Oscar Moscoso Londoño⁴, Hermi Felinto Brito², Shalendra Kumar¹, Marcelo Knobel⁴, Surender Kumar Sharma¹; ¹Universidade Federal do Maranhão, ²Universidade de São Paulo, ³Centro Atomico Bariloche (CNEA), Instituto Balseiro (U. N. Cuyo) and Conicet, 8400 San Carlos de Bariloche, Río Negro, ⁴Universidade Estadual de Campinas
- 15:45 Geometry influence of two-segments Ni nanowires on array magnetic properties** **C.OR3.9**
 Luis Carlos Costa Arzuza¹, Diego Salazar-Aravena¹, Víctor Vega², Victor Manuel Prida², Fanny Béron¹, Kleber Roberto Pirola¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Universidad de Oviedo
- 16:00 Influence of the size of Au seeds on the morphological evolution of Au-Fe₃O₄ dimers to trimmers** **C.OR3.10**
 Luelc Sousa da Costa¹, Daniela Zanchet², Oscar Moscoso Londoño³, Diego Muraca⁴, Marcelo Knobel⁴; ¹Instituto de Química - UNICAMP, ²Institute of Chemistry-UNICAMP, ³Universidade Estadual de Campinas - Institute of Physics Gleb Wataghin (IFGW), ⁴Universidade Estadual de Campinas

Poster presentations

SESSION C.P1 (17:45 - 19:30)

- 17:45 Synthesis, phase composition, Mössbauer and magnetic characterizations of iron oxide nanoparticles** **C.P1.1**
 Surender Kumar Sharma¹, Sarveena², Jose Marcelo Vargas³, Dinesh Kumar Shukla⁴, Mahavir Singh², Cristiano Teles de Meneses⁵, Pedro Mendoza Zelis⁶; ¹Universidade Federal do Maranhão, ²H P University Shimla, ³Centro Atomico Bariloche (CNEA), Instituto Balseiro (U. N. Cuyo) and Conicet, 8400 San Carlos de Bariloche, Río Negro, ⁴UGC DAE Consortium for Scientific Research, Indore, ⁵Universidade Federal de Sergipe, ⁶Instituto de Física de La Plata (IFLP- CONICET), Universidade Nacional de La Plata (UNLP), c.c. 67, 1900 La Plata
- 17:45 Commensurability and pinning strength effects in the critical currents for two dimensional superconductors with triangular and Kagomé pinning arrays.** **C.P1.2**
Nicolas P. Vizarim¹, Pablo A. Venegas²; ¹Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ²Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Rapid thermal annealing induced modification in the electronic structure of Ti_{0.95}Co_{0.05}O_{2-δ} thin films** **C.P1.3**
 Ednilson da Cruz Rodrigues¹, Alan Silva de Menezes¹, Surender Kumar Sharma¹, Shalendra Kumar¹; ¹Universidade Federal do Maranhão
- 17:45 Surface morphology, structural and magnetic study of Ni doped CeO₂ nanoparticles** **C.P1.4**
 Shalendra Kumar¹, Ednilson da Cruz Rodrigues¹, Alan Silva de Menezes¹, Surender Kumar Sharma¹; ¹Universidade Federal do Maranhão

- 17:45 Seed mediated growth of iron oxide nanoparticles: Synthesis, phase composition and magnetic properties** **C.P1.5**
 Thaynara Pinto de Lima¹, Navadeep Shrivastava¹, Alan Silva de Menezes¹, Renilma de Sousa Pinheiro Fonseca¹, Shalendra Kumar¹, Francisco Sávio Mendes Sinfronio¹, Surender Kumar Sharma¹; ¹Universidade Federal do Maranhão
- 17:45 First principle simulations of compounds with AlB₂ prototype structure** **C.P1.6**
Antônio Lucas Rigotti Manesco¹, Sérgio Tuan Renosto¹, Durval Rodrigues Jr.¹; ¹Universidade de São Paulo
- 17:45 Effect of nano-magnetite content in a vegetable oil based polymeric matrix** **C.P1.7**
 Gianina A. Kloster¹, Diego Muraca², Daniel Guillermo Actis³, Pedro Mendoza Zelis³, Mirta Ines Aranguren¹, Marcelo Knobel⁴, Cintia Meiorin¹, Gianina Andrea Kloster⁵; ¹Instituto de Investigaciones en Ciencia y Tecnología de Materiales, Universidad Nacional de Mar del Plata?Consejo Nacional de Investigaciones Científicas y Técnicas, ²Universidade Estadual de Campinas, ³Universidad Nacional de la Plata, ⁴Brazilian Nanotechnology National Laboratory, ⁵Instituto de Investigaciones en Ciencia y Tecnología de Materiales (INTEMA), Universidad Nacional de Mar del Plata, CONICET, Mar del Plata, Argentina
- 17:45 BIOBASED NANOCOMPOSITES WITH MAGNETIC AND CHELATING PROPERTIES** **C.P1.8**
Gianina Kloster¹, Diego Muraca², Kleber Roberto Pirota², Norma E Marcovich¹, Gianina A. Kloster¹; ¹Instituto de Investigaciones en Ciencia y Tecnología de Materiales, Universidad Nacional de Mar del Plata?Consejo Nacional de Investigaciones Científicas y Técnicas, ²Universidade Estadual de Campinas
- 17:45 Routes for synthesis and characterization of the Lu_{1-x}Ca_xCu₂Si₂ series** **C.P1.9**
Matheus Radaelli¹, Mario Moda Piva¹, Denise Sacramento Christovam¹, Ana L. A. Ribeiro¹, Pascoal G. Pagliuso¹; ¹Universidade Estadual de Campinas
- 17:45 Structural and magnetic properties of CuCo films electrodeposited in the presence of trisodium citrate** **C.P1.10**
Fernando Rogério de Paula¹, André L Oestereich², L. A. Zago³, Edna Regina Spada³; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Universidade Federal de Santa Catarina, ³Instituto de Física de São Carlos - USP
- 17:45 Chemical substitutions effects on the structural transition of Eu₃Ir₄Sn₁₃ intermetallic compound** **C.P1.11**
Ana Luisa Amadeu Ribeiro¹, Pascoal G. Pagliuso¹, Jean Carlo Souza¹, Camilo Bruno Ramos Jesus¹, Mario Moda Piva¹, Matheus Radaelli¹; ¹Universidade Estadual de Campinas
- 17:45 Chemical substitution effects on YMn₂ intermetallic antiferromagnet** **C.P1.12**
Denise Sacramento Christovam¹, Jean Carlo Souza¹, Camilo Bruno Ramos Jesus¹, Mario Moda Piva¹, Matheus Radaelli¹, Pascoal G. Pagliuso¹; ¹Universidade Estadual de Campinas
- 17:45 The influence of the Nb in the superconducting properties of BSCCO-2212 pellets treated in microwave ovens** **C.P1.13**
Claúdio Luiz Carvalho¹, Rafael Zadorosny¹, Maycon Rotta², Fernando Rogério de Paula¹, Alexsander Lourenço Pessoa¹; ¹Campus Ilha Solteira, ²Instituto Federal de Mato Grosso do Sul

- 17:45 Study of the commensurability effects in type II superconducting strips with a conformal array of pinning centers** **C.P1.14**
Daví Filenga¹, Pablo A. Venegas¹; ¹Universidade Estadual Paulista - Campus Bauru
- 17:45 Sctructure and magnetic properties of chemical synthesized Co(FeHo)₂O₄** **C.P1.15**
Thiago Eduardo Pereira Alves^{1,2}, Adolfo Franco Jr.², Hermínia Veridiana dos Santos Pessoni²; ¹Instituto Federal de Educação, Ciência e Tecnologia de Goiás, ²Universidade Federal de Goiás
- 17:45 High temperature magnetic properties of Co(FeY)₂O₄ synthesized by combustion reaction** **C.P1.16**
Thiago Eduardo Pereira Alves^{1,2}, Adolfo Franco Jr.²; ¹Instituto Federal de Educação, Ciência e Tecnologia de Goiás, ²Universidade Federal de Goiás
- 17:45 Removal and Recovery of Cr(VI) from aqueous solutions by magnetic nanosorbents** **C.P1.17**
Helena Augusta Lisboa de Oliveira¹, Alex Fabiano Cortez Campos¹, Renata Aquino¹, Franciscarlos Gomes da Silva¹, Jerome Depeyrot¹; ¹Universidade de Brasília
- 17:45 Growth and characterization of CeIn₃ heavy férmion compound in nanowire form.** **C.P1.18**
Caique Conde Rodrigues¹, Dina Tobia¹, Karoline Oliveira Moura¹, Camilo Bruno Ramos Jesus¹, Kleber Roberto Pirota¹, Pascoal G. Pagliuso¹; ¹Universidade Estadual de Campinas
- 17:45 Investigating the interplay between crystal field and topological states in rare-earth doped half-Heusler YPdBi** **C.P1.19**
Jean Carlo Souza¹, Camilo Bruno Ramos Jesus¹, Guilherme Gorgen Lesseux¹, Ricardo Rodrigues Urbano¹, Carlos Rettori¹, Pascoal G. Pagliuso¹; ¹Universidade Estadual de Campinas
- 17:45 The role of the A ion in the Fe local structure of the AFe₂As₂ systems (A=Sr, Eu, Ba): an EXAFS study** **C.P1.20**
Dina Tobia¹, Martín Eduardo Saleta², Matheus Radaelli¹, Mario Moda Piva¹, Guilherme Gorgen Lesseux¹, Camilo Bruno Ramos Jesus¹, Ricardo Rodrigues Urbano¹, Eduardo Granado¹, Pascoal G. Pagliuso¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Laboratório Nacional de Luz Síncrotron
- 17:45 Microwave absorption properties of electromagnetic composites filters based on reduced graphene oxide and carbonyl iron** **C.P1.21**
Ana Gabrielle Impere^{1,2}, Adriana Medeiros Gama², Emerson Sarmiento Gonçalves^{3,2}, Maurício Ribeiro Baldan⁴, Adriano Luis De Paula², Aline Fontana Batista²; ¹Universidade Federal de São Paulo, ²Instituto de Aeronáutica e Espaço, ³Instituto Tecnológico da Aeronáutica, ⁴Instituto Nacional de pesquisas espaciais
- 17:45 Superconductivity in Ni/Bi bilayer thin films deposited by Pulsed Laser Deposition** **C.P1.22**
L. Y. LIU¹, Y. T. Xing², E. B. Saitovitch³, D. F. Franceschini², I. G. Solórzano¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Universidade Federal Fluminense, ³Centro Brasileiro de Pesquisas Físicas
- 17:45 Growth of ferroelectric/magnetic heterostructures** **C.P1.23**
Leticia de Melo Costa¹, Pedro Schio de Noronha Muniz², Julio Criginski Cezar³, Thiago José de Almeida Mori²; ¹Technische Universität München, ²Laboratório Nacional de Luz Síncrotron, ³Centro Nacional de Pesquisa em Energia e Materiais

- 17:45 Synthesis and characterization of coaxial nanotubes of Ni/Cu/Ni produced by electrodeposition** **C.P1.24**
JURANDI NEVES ARAÚJO JÚNIOR¹, Von Ivison Mariano Paulo¹, Frederico Alves Revoredo Júnior¹, Mauro Ernesto Júnior¹, Eduardo Padrón Hernández¹;
¹Universidade Federal de Pernambuco
- 17:45 Studying the 4f electrons in the Kondo lattice antiferromagnet Ce₂RhIn₈** **C.P1.25**
Kevin Raduenz Pakuszewski¹, Wendell Simões Silva², Carlos Giles¹, Fanny Rodolakis³, Juan Carlos Campuzano⁴, Pascoal G. Pagliuso¹, Cris Adriano¹;
¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Laboratório Nacional de Luz Síncrotron, ³Northwestern University Argonne National Laboratory Institute of Science and Engineering, ⁴University of Illinois Chicago
- 17:45 Microstructure design for pure and Nd³⁺-doped eutectics prepared by laser-heated directional solidification.** **C.P1.26**
Marcello R. B. Andreetta¹, Sergio P. Marcondes², Erika R. M. Andreetta³;
¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de Goiás, ³Universidade Paulista
- 17:45 Suppression of thermomagnetic instabilities in superconducting films by electromagnetic damping and ion irradiation** **C.P1.27**
Danusa do Carmo¹, Fabiano Colauto^{1,2}, Antonio Marcos Helgueira de Andrade^{3,4}, Raquel Giulian³, Ana Augusta Mendonça Oliveira⁵, Tom Henning Johansen⁶, Wilson Aires Ortiz¹; ¹Universidade Federal de São Carlos, ²Argonne National Laboratory, ³Universidade Federal do Rio Grande do Sul, ⁴Universitat Autònoma de Barcelona, ⁵Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ⁶University of Oslo / Universitetet i Oslo
- 17:45 The Bloch's law for studying the magnetic properties of Zn-doped YIG nanoparticles** **C.P1.28**
Ramón Raudel Peña Garcia¹, Ariel Delgado del Toro¹, Yuset Guerra Dávila¹, jandrews lins gomes¹, Gian Duarte², Lidice Aparecida Gonçalves³, Eduardo Padrón Hernández¹; ¹Universidade Federal de Pernambuco, ²Centro de Tecnologias Estratégicas do Nordeste, ³Instituto Federal de Educação, Ciência e Tecnologia de Pernambuco
- 17:45 Synthesis and characterization of CoCr₂O₄ thin films prepared by sol-gel method** **C.P1.29**
Ariel Delgado del Toro¹, Ramón Raudel Peña Garcia¹, Yuset Guerra Dávila¹, jandrews lins gomes¹, Lidice Aparecida Gonçalves², Eduardo Padrón Hernández¹; ¹Universidade Federal de Pernambuco, ²Instituto Federal de Educação, Ciência e Tecnologia de Pernambuco
- 17:45 Synthesis of magnetite nanoparticles obtained by the thermal decomposition method** **C.P1.30**
Renilma de Sousa Pinheiro Fonseca¹, Francisco Sávio Mendes Sinfrônio¹, Alan Silva de Menezes¹, Oscar Moscoso Londoño², Diego Muraca, Marcelo Knobel³, Surender Kumar Sharma¹, Fernando Carvalho Silva¹; ¹Universidade Federal do Maranhão, ²Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas, ³Universidade Estadual de Campinas
- 17:45 Magnetic properties in LnFeO₃ ceramics obtained by gelatin method** **C.P1.31**
Patrícia Mendonça Pimentel¹, Jairo Luís Dos Santos Dutra¹, Andreia Cavalcante Lima², José Humberto de Araújo², Osmar R. Bagnato³, Jefferson Bettini³;
¹Universidade Federal Rural do Semi, ²Universidade Federal do Rio Grande do Norte, ³Laboratório Nacional de Luz Síncrotron

- 17:45 Preparation of cobalt nanoparticles by mechano-chemical activation** **C.P1.32**
Leandro M. Socolovsky¹, Donaji Velasco Arias², Edilso Reguera²; ¹Consejo Nacional de Investigaciones Científicas y Técnicas, ²Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada - Instituto Politécnico Nacional
- 17:45 Size and shape effect on magnetic properties of Iron oxide nanoparticles** **C.P1.33**
Juan Manuel Orozco¹, Diego Muraca², Oscar Moscoso Londoño², Kleber Roberto Pirota², Marcelo Knobel^{2,3}; ¹Universidad Nacional de la Plata, ²Universidade Estadual de Campinas, ³Brazilian Nanotechnology National Laboratory
- 17:45 Shape control, magnetic and structural properties of hybrid Au@Fe₃O₄ and Ag@Fe₃O₄ nanostructures.** **C.P1.34**
Oscar Moscoso Londoño¹, Diego Muraca¹, Pablo Tancredi², Leandro M. Socolovsky³, Marcelo Knobel^{1,4}; ¹Universidade Estadual de Campinas, ²Universidad de Buenos Aires, ³Consejo Nacional de Investigaciones Científicas y Técnicas, ⁴Brazilian Nanotechnology National Laboratory
- 17:45 Magnetic properties of copper ferrites substituted by nickel synthesized by microwave-assisted hydrothermal method** **C.P1.35**
Jéssica Oliveira Rodrigues¹, Renilma de Sousa Pinheiro Fonseca¹, Navadeep Shrivastava¹, Alan Silva de Menezes¹, Francisco Sávio Mendes Sinfrônio¹, Surender Kumar Sharma¹, Fanny Béron², Fernando Carvalho Silva¹; ¹Universidade Federal do Maranhão, ²Universidade Estadual de Campinas
- 17:45 Structural and dielectric properties of samarium-substituted zinc spinel** **C.P1.36**
Mikaelly Daiany Ferreira Borges¹, Renilma de Sousa Pinheiro Fonseca¹, Manoel Carvalho Castro Junior¹, Alan Silva de Menezes¹, Francisco Sávio Mendes Sinfrônio¹, Fernando Carvalho Silva¹; ¹Universidade Federal do Maranhão
- 17:45 Controlling the magnitude of dipolar interactions with a silica Shell of tunable thickness on iron oxides nanoparticles** **C.P1.37**
Patricia Rivas¹, Pablo Tancredi¹, Oscar Moscoso Londoño², Edilso Reguera³, Marcelo Knobel^{4,2}, Leandro M. Socolovsky¹; ¹Consejo Nacional de Investigaciones Científicas y Técnicas, ²Instituto de Física "Gleb Wataghin", ³Instituto Politécnico Nacional, ⁴Brazilian Nanotechnology National Laboratory
- 17:45 Structural, electrical and magnetic properties of mixed ferrites M_{0.5}Zn_{0.5}Fe₂O₄ (M=Co, Ni and Mg) prepared by combustion reaction** **C.P1.38**
Pedro Victor Valadares Romanholo¹, Thiago Eduardo Pereira Alves¹, Adolfo Franco Jr.¹; ¹Universidade Federal de Goiás
- 17:45 Synthesis and characterization of Mn-Zn doped magnetite nanoparticles by co-precipitation method.** **C.P1.39**
Laura Bissoli de Mello¹, Fernando Aparecido Sigoli¹, Italo Odone Mazali¹; ¹Instituto de Química - UNICAMP
- 17:45 MAGNETIC BEHAVIOR OF Mn_xCu_{1-x}Fe₂O₄ CERAMIC** **C.P1.40**
Valesca Donizeti Oliveira¹, Manoel Ribeiro da Silva¹, Claudiney de Sales Pereira Mendonça¹, Adhimar Flávio Oliveira¹, Roberto Carlos Corrêa¹; ¹Universidade Federal de Itajubá
- 17:45 Growth and Characterization of Au-Al-Yb and Au-Ge-Yb Quasicrystals and Approximants** **C.P1.41**
Jean de Souza Matias¹, Raquel A. Ribeiro¹; ¹Fundação Universidade Federal do Abc

- 17:45 Development of a Nano-scale Probe with Optical and Magnetic Properties** **C.P1.42**
Zahid Ullah Khan¹, Latif Ullah Khan², Rafael C Trentin¹, Hermi Felinto Brito², Magnus Gidlund¹; ¹Instituto de Ciências Biomédicas-USP, ²Instituto de Química - USP
- 17:45 Determination of manganese interdiffusion parameters in CoFe/IrMn bilayers by X-ray reflectometry** **C.P1.43**
Pablo Forlam Ribeiro Batista¹, Leandro Hostalácio Freire Andrade¹, Luis Eugenio Fernandez-Outon^{2,1}, Waldemar Augusto de Almeida Macedo¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais
- 17:45 Depth-profiling XPS study of interlayer diffusion in exchange-biased CoFe/IrMn thin films** **C.P1.44**
Pablo Forlam Ribeiro Batista¹, Alexandre Alberto Chaves Cotta¹, Luis Eugenio Fernandez-Outon^{2,1}, Waldemar Augusto de Almeida Macedo¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais
- 17:45 Synthesis of cobalt hexacyanoferrate nanoparticles under ultrasound irradiation** **C.P1.45**
Janiny Nunes Lacerda¹, Yutao Xing¹, Eduardo Ariel Ponzio¹; ¹Universidade Federal Fluminense
- 17:45 Processing and Characterization of MgB₂ multifilamentary superconducting wires** **C.P1.46**
Humberto Rigamonti Júnior¹, Eleazar José Ribeiro¹, Lucas Barboza Sarno Da Silva¹, Durval Rodrigues Jr.¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Temperature dependence of the magnetization saturation in cobalt ferrite nanoparticles** **C.P1.47**
Erlaine Barreto Peixoto¹, José Gerivaldo Duque², Maria Helena Carvalho da Costa³, Cristiano Teles de Meneses¹, Victor Hugo Vitorino Sarmiento¹; ¹Universidade Federal de Sergipe, ²Instituto de Física Gleb Wataghin - UNICAMP, ³Universidade Federal de São Carlos
- 17:45 The effect of Ni-doping on the magnetic order in the cubic GdIn(Cu_{1-x}Ni_x)₄ (0.00 < x < 1.00) compounds** **C.P1.48**
Edielma Costa Mendonça¹, José Gerivaldo Duque², Leonardo Souza Silva¹, Samuel Gomes Mercena¹, Erlaine Barreto Peixoto¹, Cristiano Teles de Meneses¹, Camilo Bruno Ramos Jesus², Pascoal G. Pagliuso²; ¹Universidade Federal de Sergipe, ²Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Synthesis of a core-shell CoFe₂O₄@Au nanocomposite and its potential application as electrochemical sensor** **C.P1.49**
Samuel Saire Saire¹, Hugo Alarcón Caveró¹; ¹Universidad Nacional de Ingeniería
- 17:45 Single crystal growth and characterization of the intermetallic cage system YCo_{2-x}Mn_xZn₂₀** **C.P1.50**
Michael Cabrera Baez¹, Bruno F Finatti¹, Carlos Rettori^{1,2}, Marcos de Abreu Avila¹; ¹Universidade Federal do ABC, ²Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Study of the influence of insulator film thickness on YBCO/PBCO/LCMO type superlattices** **C.P1.51**
Marcel Miyamura Bonilha¹, Anne Hitomi Yonamine¹, Sergey A Fedoseev², Alexey V Pan², Dayse Iara dos Santos¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²University of Wollongong

- 17:45 Composition dependence of NiCu alloy nanowires on the magnetic properties for magnetocaloric effect applications** **C.P1.52**
Marcelo Pederiva¹, Karoline Oliveira Moura¹, Luis Carlos Costa Arzuza¹, Román López-Ruiz¹, Víctor Vega², Victor Manuel Prida², Kleber Roberto Pirota¹, Fanny Béron¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Universidad de Oviedo
- 17:45 Magnetic anisotropy induced by dispersion of Ni nanoparticles in biaxially stressed carbon films** **C.P1.53**
Alexsandro dos Santos Evangelista da Cruz¹, João Paulo Sinnecker², Fernando Fabris³, Yutao Xing³, D. F. Franceschini³, Wallace Castro Nunes³; ¹Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas, ²Centro Brasileiro de Pesquisas Físicas, ³Universidade Federal Fluminense
- 17:45 β -cyclodextrin-decorated magnetic nanoparticles as a chemohyperthermia therapeutic agent** **C.P1.54**
Evelyn Christyan da Silva Santos¹, Amanda Watanabe Paraguassú¹, Maria Domingues Vargas¹, Flavio Garcia², Célia Machado Ronconi¹; ¹Universidade Federal Fluminense, ²Centro Brasileiro de Pesquisas Físicas
- 17:45 Synthesis and characterization of nanocompounds based on rare earth orthoferrites** **C.P1.55**
André Felipe Oliveira¹, Luis Eugenio Fernandez-Outon², Edésia Martins Barros de Sousa¹, José Domingos Ardisson¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais
- 17:45 Structural characterization and magnetic of nanostructures SnO₂/CeO₂ produced by the Pechini route** **C.P1.56**
Maria Helena Carvalho da Costa¹, Ernesto Chaves Pereira¹, Adilson J A de Oliveira¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Studies of the Incorporation of the Co and Mn into the ZnO Wurtzite Matrix: The Development of true Dilute Magnetic Oxides** **C.P1.57**
Felipe dos Santos Vieira¹, Viviane Maciel Almeida², Rafael Tomaz da Silva¹, Person Pereira Neves¹, Alexandre Mesquita³, Xavier Gratens⁴, Valmir Antonio Chitta⁴, Hugo Bonette de Carvalho¹; ¹Universidade Federal de Alfenas, ²Universidade Federal de Ouro Preto, ³Universidade Estadual Paulista "Júlio de Mesquita Filho", ⁴Instituto de Física-USP
- 17:45 Modulating size and magnetic properties of magnetite nanoparticles** **C.P1.58**
Caio José Percin^{1,2}, Sergio Akinobu Yoshioka², Valmir Antonio Chitta³, Xavier Gratens³, Patrícia Léo¹, Adriano Marim Oliveira¹, Natália Neto Pereira Cerize¹; ¹Instituto de Pesquisas Tecnológicas do Estado de São Paulo, ²Programa de Pós-graduação Interunidades Bioengenharia, ³Instituto de Física-USP
- 17:45 White emitting LaF₃:Ce³⁺,Gd³⁺,Eu^{2/3+} nanoscintillators for Gamma Rays and Neutron Detection** **C.P1.59**
Navadeep Shrivastava¹, Latif Ullah Khan², Jose Marcelo Vargas³, Hermi Felinto Brito², Maria Cláudia França da Cunha Felinto², Surender Kumar Sharma¹; ¹Universidade Federal do Maranhão, ²Universidade de São Paulo, ³Centro Atômico Bariloche

- 17:45 Analysis of the crystal electric field ground state of intermetallic TbRhIn₅ by using soft X-ray absorption spectroscopy** **C.P1.60**
Robert Prudêncio Amaral¹, Daniel Julio Garcia², Diana Betancourth³, Pascoal G. Pagliuso⁴, José Gerivaldo Duque⁴, Raimundo Lora Serrano¹; ¹Universidade Federal de Uberlândia, ²Centro Atomico Bariloche (CNEA) and CONICET, ³Centro Atomico Bariloche (CNEA), Instituto Balseiro (U. N. Cuyo) and Conicet, 8400 San Carlos de Bariloche, Río Negro, ⁴Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Local structure and d-electron occupancy in the disordered S = 3/2 spin system BaTi_{1/2}Mn_{1/2}O₃.** **C.P1.61**
Raimundo Lora Serrano¹, Fernando Assis Garcia², Ulisses Ferreira Kaneko³, Eduardo Granado⁴, Jorg Sichelschmidt⁵, José Gerivaldo Duque⁶, Robert Prudêncio Amaral¹; ¹Universidade Federal de Uberlândia, ²Instituto de Física-USP, ³Instituto de Física "Gleb Wataghin" - Universidade Estadual de Campinas, ⁴Universidade Estadual de Campinas, ⁵Max Planck Institute for Chemical Physics of Solids, ⁶Universidade Federal de Sergipe
- 17:45 Study of the incorporation of Co into zinc oxide matrix via mechanochemical grinding** **C.P1.62**
Gabriel Machado Machado¹, Gilson José Rodrigues¹, Hugo Bonette de Carvalho¹, Person Pereira Neves¹; ¹Universidade Federal de Alfenas
- 17:45 Preparation and characterization of nanoferrites by solvothermal method** **C.P1.63**
Tamires Lacerda da Silva¹, Patrick Conti¹, Eupidio Scopel¹, Carla da Silva Meireles¹, Jose Rafel Capua Proveti¹, Cleocir José Dalmaschio¹; ¹Universidade Federal do Espírito Santo
- 17:45 Bi and Bi_{2+x}Te_{3-x} Nanowires Modified by Ion Implantation** **C.P1.64**
Sven Mueller¹, Danieli Born Guerra¹, Monique Camille Camargo¹, P. F.P. Fichtner², Ricardo Meurer Papaléo¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul, ²Universidade Federal do Rio Grande do Sul
- 17:45 SYNTHESIS AND PHYSICAL PROPERTIES OF Bi_{1-x}Pr_xFeO₃** **C.P1.65**
Marcio Sena Curvello¹, Alessandra Zenatti¹, Marcia Tsuyama Escote¹; ¹Universidade Federal do ABC
- 17:45 Growth and characterization of multiferroic nanostructures** **C.P1.66**
Thiago José de Almeida Mori¹, Felipe Ferraz Morgado de Oliveira^{2,1}, Caroline Lydie Moulis¹, Leticia de Melo Costa¹, Pedro Schio de Noronha Muniz¹, Julio Criginski Cezar¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Federal de São Carlos
- 17:45 Magnetism of electron beam lithographed T-shaped magnetic nanostructures** **C.P1.67**
Elis Sinnecker¹, João Paulo Sinnecker², Roberto Escobar³, Dora Altbir³, José D'Albuquerque e Castro¹; ¹Instituto de Física, UFRJ, ²Centro Brasileiro de Pesquisas Físicas, ³Universidad de Santiago de Chile
- 17:45 Possibilities for thin film growth at the PGM beamline of Brazilian Synchrotron Light Laboratory** **C.P1.68**
Pedro Schio de Noronha Muniz¹, Thiago José de Almeida Mori¹, Marco Guarise¹, Julio Criginski Cezar¹; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Influence of heat treatment on the structure of SmBa₂Cu₃O_{7-d} superconducting ceramic** **C.P1.69**
Rodolpho Santos Lepich¹, Kelly Cordeiro Miranda¹, Janaína Simões Lima¹, Carlos Augusto Cardoso Passos¹; ¹Universidade Federal do Espírito Santo

- 17:45 Applied pressure and chemical substitution effects on BaFe₂As₂ single crystals** **C.P1.72**
Mario Moda Piva¹, Matheus Radaelli¹, Camilo Bruno Ramos de Jesus¹, Dina Tobia¹, Guilherme George Lesseux¹, Priscila Ferrari Silveira Rosa², Cris Adriano¹, Ricardo Rodrigues Urbano¹, Pascoal G. Pagliuso¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Los Alamos National Laboratory
- 17:45 Crystal lattice vibrations and their coupling with magnetic correlations in CuSb₂O₆** **C.P1.77**
Damaris Tartarotti Maimone¹, Eduardo Granado¹, John Jacob Neumeier², Aaron Christian²; ¹Universidade Estadual de Campinas, ²Montana State University
- 17:45 Exchange interactions in quasi-two-dimensional Sr₂CuWO₆ from inelastic neutron scattering** **C.P1.74**
Sami Vasala¹; ¹Centro Brasileiro de Pesquisas Físicas
- 17:45 Investigation of the band structure and Fermi surface of EuFe₂As₂ studied by polarization dependent ARPES** **C.P1.73**
Cris Adriano¹, Kevin Raduenz Pakuszewski¹, Mario Moda Piva¹, Carlos Giles², Wendell Simões Silva³, Pascoal G. Pagliuso¹, Juan Carlos Campuzano⁴; ¹Instituto de Física "Gleb Wataghin", ²Instituto de Física "Gleb Wataghin" - UNICAMP, ³Laboratório Nacional de Luz Síncrotron, ⁴University of Illinois Chicago

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION C.OR4 (09:45 - 10:45) - Room Carvalho I

- 09:45 Electronic transport properties of single nickel nanowires**
 Marcos Vinicius Puydinger dos Santos^{1,2}, Murilo Velo¹, Renan Daniel Domingos¹, José Alexandre Diniz², Fanny Béron¹, Kleber Roberto Pirola¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Faculdade de Engenharia Elétrica e Computação (UNICAMP)
- 10:00 Dinamic nematic effects in the oxypnictide compound LaFeAsO observed by Raman scattering**
Ulisses Ferreira Kaneko¹, Paulo Freitas Gomes², Ali Francisco Garcia Flores¹, David Vaknin³, Gaston Eduardo Barberis¹, Eduardo Granado¹; ¹UNICAMP, ²Universidade Federal de Goiás, ³Iowa State University
- 10:15 Noncollinear magnetism of Mn nanochains on Fe(110): an ab initio investigation** **C.OR4.12**
 Ricardo Noboru Igarashi¹, Ivan de Paula Miranda², Luiz Tadeu Fernandes Eleno², Angela Burlamaqui Klautau³, Helena Maria Petrilli²; ¹Universidade Anhembi Morumbi, ²Universidade de São Paulo, ³Universidade Federal do Pará

- 10:30 Magnetic and Transport Properties of Co/Pd Multilayers Deposited in Nanodomains** **C.OR4.13**
Juliano Casagrande Denardin¹, Sebastian Michea¹, Simon Oyarzun¹, Fanny Béron², Kleber Roberto Pirota²; ¹Universidad de Santiago de Chile, ²Instituto de Física "Gleb Wataghin"-UNICAMP

SESSION C.OR5 (11:15 - 12:00) - Room Carvalho I

- 11:15 Depth-resolved investigation of layered magnetic nanostructures via ⁵⁷Fe Mössbauer spectroscopy** **C.OR5.14***
Waldemar Augusto de Almeida Macedo¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 11:45 Electric transport characterization of post-growth annealing process of Co-C grown by focused-electron-beam-induced deposition** **C.OR5.15**
 Marcos Vinicius Puydinger dos Santos^{1,2,3}, Murilo Velo¹, Renan Daniel Domingos¹, Yucheng Zhang², Xavier Maeder², Carlos Guerra-Nunez², Fanny Béron¹, Kleber Roberto Pirota¹, Stanislav Moshkalev⁴, José Alexandre Diniz⁴, Ivo Utke²; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Swiss Federal Laboratories for Materials Science and Technology, ³Faculdade de Engenharia Elétrica e Computação (UNICAMP), ⁴Centro de Componentes Semicondutores-UNICAMP

SESSION C.OR6 (14:00 - 16:15) - Room Carvalho I

- 14:00 Fundamental Aspects of Carbon-Based Electronics** **C.OR6.16***
Yakov Kopelevich¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP
- 14:30 Three dots system as a quantum gate** **C.OR6.17**
Enrique Victoriano Anda¹, Guillermo Gomez Silva¹, Laercio Costa Ribeiro², Pedro Orellana Dinamarca³; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ³Universidad Federico Santa María
- 14:45 Superconductor/ferromagnetic hybrids: imprinting superconducting vortex footsteps in a magnetic layer** **C.OR6.18**
Wilson Aires Ortiz¹; ¹Universidade Federal de São Carlos
- 15:00 Multiband superconductivity in the Mo-Re alloys** **C.OR6.19**
Shyam Sundar^{1,2}, L S Sharath Chandra¹, M K Chattopadhyay¹, S B Roy¹; ¹Mag and Super Mat Sec, RRCAT, ²Instituto de Física, UFRJ
- 15:15 Growth and characterization of β -Ga superconducting nanowires** **C.OR6.20**
 Karoline Oliveira Moura¹, Camilo Bruno Ramos Jesus¹, Fanny Béron¹, Oscar Ferreira de Lima¹, Pascoal José Giglio Pagliuso¹, Kleber Roberto Pirota¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP
- 15:30 Deflection of flux avalanches in superconducting films by a metallic layer** **C.OR6.21**
Maycon Motta¹, Jerémy Brisbois², Fabiano Colauto¹, Wilson Aires Ortiz¹, Nguyen Ngoc Duy², Obaid-Allah Adami², Alejandro V. Silhanek²; ¹Universidade Federal de São Carlos, ²Université de Liège
- 15:45 Structural, magnetic and transport characterization of singlecrystalline RNiSi₃ (R=Y, Gd-Tm)** **C.OR6.22**
 Fabiana Rodrigues Arantes¹, Deisy Aristizábal-Giraldo¹, Raquel A. Ribeiro¹, Marcos Abreu Avila¹; ¹Universidade Federal do ABC

16:00 Magnetism and Magnetocaloric effect in equiatomic RNi (R = Gd, Tb and Ho) compounds: Effect of rapid quenching C.OR6.23

R. Rajivgandhi¹, R. Nirmala¹, J. Arout Chelvane², A. K. Nigam³, S. Quezado⁴, Satish Kumar Malik⁵; ¹Indian Institute of Technology Madras, ²Defence Metallurgical Research Laboratory, ³Tata Institute of Fundamental Research, ⁴Universidade Federal do Rio Grande do Norte, ⁵Federal University of Rio Grande do Norte

SYMPOSIUM D - Materials science at high- pressure conditions

Symposium organizers:

Altair Sória Pereira (*UFRGS*)
Elisa Maria Baggio-Saitovitch (*CBPF*)
Narcizo M. Souza-Neto (*LNLS*)
Paulo de Tarso Cavalcante Freire (*UFC*)

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION D.OR1 (09:45 - 10:45) - Room Ipê

- 09:45** **Adventures with 5d orbitals at high pressure** **D.OR1.1***
Daniel Haskel¹; ¹Advanced Photon Source, Argonne National Laboratory
- 10:15** **Baric evolution of Quantum linear magnetoresistivity in CaAl₂Si₂** **D.OR1.3**
Mohammed ELMASSALAMI¹, Deyse Costa¹, Rodrigo B Capaz¹, Richart Falconi Calderon², Bachir Ouladdiaf³; ¹Instituto de Fisica, UFRJ, ²Universidad Juárez Autónoma de Tabasco, ³Institut Laue-Langevin

SESSION D.OR2 (11:15 - 12:00) - Room Ipê

- 11:15** **High Pressure Synthesis of Zeolite/Polymer Nanocomposites** **D.OR2.4***
Julien Haines¹, Jean-Marc Thibaud¹, Jérôme Rouquette¹, Olivier Cambon¹, Francesco Di Renzo¹, Arie van der Lee², Demetrio Scelta³, Matteo Ceppatelli³, Kamil Dziubek³, Federico Gorelli³, Roberto Bini³, Mario Santoro³; ¹Institut Charles Gerhardt Montpellier, ²Institut Européen des Membranes, ³European Laboratory for Non Linear Spectroscopy
- 11:45** **Structural and Vibrational Properties of Bi₂O₂Se at High Pressures: an Experimental and Theoretical Study** **D.OR2.5**
André Luis de Jesus Pereira¹, David Santamaría-Pérez², Oscar Gomis³, Juan Angel Sans³, Lourdes Gracia⁴, Francisco Javier Manjón³, Armando Beltrán⁴, Alfonso Muñoz⁵, Cesta Drasar⁶, Pavlina Ruleova⁶; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Universitat de València, ³Universidad Politécnica de Valencia, ⁴Universitat Jaume I, ⁵Universidad de La Laguna, ⁶University of Pardubice

SESSION D.OR3 (14:00 - 16:15) - Room Ipê

- 14:00** **EMA beamline at SIRIUS: Extreme condition x-ray Methods of Analysis** **D.OR3.6***
Narcizo Souza Neto¹; ¹Centro Nacional de Pesquisa em Energia e Materiais

Poster presentations

SESSION D.P1 (17:45 - 19:30)

- 17:45 Temperature- and pressure-induced phase transitions in niccolite-type formate framework of $[\text{H}_3\text{N}(\text{CH}_3)_4\text{NH}_3][\text{Mn}_2(\text{HCOO})_6]$** **D.P1.1**
Mirosław Maczka¹, Anna Gagor¹, Waldeci Paraguassu², Nathalia Marinho Costa², Adam Sieradzki³, Adam Pikul¹, Jerzy Hanuza¹; ¹Institute of Low Temperature and Structure Research, Polish Academy of Sciences, ²Universidade Federal do Pará, ³Wroclaw University of Technology
- 17:45 The experimental and theoretical Raman spectra study of L-Histidinium bromide monohydrate single crystals** **D.P1.2**
Geanso Miranda de Moura^{1,2}, Jhonatam de Oliveira Carvalho^{3,2}, Tarciso Silva de Andrade-Filho⁴, Adenilson Oliveira dos Santos², Pedro de Freitas Façanha Filho²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Maranhão, ³Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ⁴UNIVERSIDADE FEDERAL DO SUL E SUDESTE DO PARÁ
- 17:45 Raman spectroscopy of monohydrated L-asparagine up to 30 GPa** **D.P1.3**
José Alves de Lima Jr.¹, José Arimatea Silva¹, Paulo Tarso Freire¹, Josue Mendes Filho¹, Francisco Erivan Melo¹, Antonio Jeferson de Deus Moreno², Alain Polian³; ¹Universidade Federal do Ceará, ²Universidade Federal do Maranhão, ³Université Paris 6 Pierre and Marie Curie
- 17:45 Effect of nitrogen and oxygen in the formation of graphitic structures from pyrolysis of amino acids at high pressures** **D.P1.4**
María Alexandra Puerto Medina¹, Andréia Fernandes da Silva¹, Jackeline Barbosa Brito¹, Tania Maria Haas Costa¹, João Alziro Herz da Jornada¹, Naira Maria Balzaretta¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Effect of high pressure and high temperature on graphite oxide** **D.P1.5**
Andréia Fernandes da Silva¹, María Alexandra Puerto Medina¹, Jackeline Barbosa Brito¹, Tania Maria Haas Costa¹, João Alziro Herz da Jornada¹, Naira Maria Balzaretta¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Low-Frequency Raman study of glass transition in ionic liquids at high pressure and low temperature.** **D.P1.6**
Thamires Andrade Lima¹, Vitor Hugo Paschoal¹, Luiz Felipe Oliveira Faria¹, Mauro Carlos Costa Ribeiro¹; ¹Instituto de Química da Universidade de São Paulo
- 17:45 High-pressure effect in spectroscopic and structural properties of Sm^{3+} doped $\text{GeO}_2\text{-PbO}$ glass** **D.P1.7**
Pablo Roberto Rovani¹, Alvaro Herrera¹, Gustavo de Medeiros Azevedo¹, Naira Maria Balzaretta¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Modification of the photoluminescence properties of $\alpha\text{-Bi}_2\text{O}_3$ needles by a pressure-assisted heat treatment** **D.P1.8**
Evaldo Toniolo Kubaski¹, Samara Schmidt², Thiago Sequinel³, Flavia Emilena Stelle¹, Vinícius D.N. Bezzon², Sergio Mazurek Tebcherani¹; ¹Universidade Estadual de Ponta Grossa, ²Instituto de Química de Araraquara/UNESP, ³Fundação Universidade Federal da Grande Dourados
- 17:45 Unexpeted TL behaviour of Green Quartz at very low doses and at very low photon energy irradiation** **D.P1.9**
Edy Elar Cuevas Arizaca¹, Shiguelo Watanabe², Edemar Zenardo³, Massahiro Miyamoto³, Nilo Cano; ¹Instituto de Física-USP, ²Instituto de Física da USP, ³Instituto do coração USP

- 17:45 Phase-selective crystallization of amorphous titania into anatase: the effect of hydrothermal conditions** **D.P1.10**
Sajjad Ullah^{1,2}, Elias Paiva Ferreira Neto², Sidney José Lima Ribeiro¹, Ubirajara Pereira Rodrigues Filho²; ¹Instituto de Química de Araraquara/UNESP, ²Instituto de Química de São Carlos
- 17:45 Modification of the photocatalytic behavior of TiO₂ particles by pressure treatment** **D.P1.11**
Evaldo Toniolo Kubaski¹, Sabrina Marinho Kaplum¹, Thiago Sequinel², Samara Schmidt³, Flavia Emilena Stelle¹, Vinícius D.N. Bezzon⁴, Sergio Mazurek Tebcherani¹; ¹Universidade Estadual de Ponta Grossa, ²Fundação Universidade Federal da Grande Dourados, ³Universidade Tecnológica Federal do Paraná, ⁴Instituto de Química de Araraquara/UNESP
- 17:45 Synthesis of silica nanoparticles decorated with TiO₂ for photocatalytic degradation of the herbicide Metilviologen** **D.P1.12**
Hakinny Loyra de Medeiros Vieira¹, Tatiane Moraes Arantes¹; ¹Universidade Federal de Goiás
- 17:45 Synthesis of isopropyl octanoate catalyzed by metal carboxylate salts of zinc and alkali metals.** **D.P1.13**
 Swami Maruyama¹, Fernando Wypych¹; ¹Universidade Federal do Paraná
- 17:45 Xerogels and aerogels based on resorcinol and formaldehyde with added surfactant** **D.P1.14**
Fernanda Galhardo¹, Luiz Claudio Pardini², Liana Alvares Rodrigues³; ¹Universidade de São Paulo, ²Instituto Tecnológico da Aeronáutica, São José dos Campos, ³Escola de Engenharia de Lorena/USP
- 17:45 Polymeric Recycling: preparation and characterization of poly(ethyl terephthalate) (PET) from DET as recovered monomer** **D.P1.15**
Paulo Souza Souza¹, Cátia Santos Nunes¹, Adonilson Reis Freitas¹, Edvani Curti Muniz^{1,2,3}; ¹Universidade Estadual de Maringá, ²Universidade Paranaense, ³Universidade Tecnológica Federal do Paraná
- 17:45 Thermal and mechanical characterization of UHMW-PE/LLDPE blend** **D.P1.16**
Caroline Martins dos Santos¹, Bruna Cristina da Silva¹, Fabio Roberto Passador¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Mechanical Analysis sandwich having a core of PVC foam, PP and Plywood** **D.P1.17**
Vanessa Cristina da Costa Oliveira¹, Carmen Gilda Barroso Tavares Dias¹, Eduardo de Jesus Silva dos Santos¹, Selton de Freitas Leão¹, Vanessa Maria Yae do Rosário Taketa²; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Copper/Iron based brake friction for military aircraft application** **D.P1.18**
Thiago Duque Estrada da Silva Santos¹, Inacio Regiani¹; ¹Instituto Tecnológico da Aeronáutica, São José dos Campos
- 17:45 Effect of heat treatment on the microstructure and fracture toughness of glass-ceramics obtained from igneous rocks** **D.P1.19**
Angelo Titton Titton¹, Gustavo Roberto Ramos¹, Cláudio Antonio Perottoni¹, Ana Maria Segadães², Pedro Manoel de Lima Quintanilha Mantas², Robinson Carlos Dudley Cruz¹; ¹Universidade de Caxias do Sul, ²Universidade de Aveiro
- 17:45 High-pressure apparatus for processing up to 3 GPa** **D.P1.20**
Sergio Renato da Silva Soares¹, Leonardo Resende¹, Renato Tillmann Bassini¹, Marcio Venzon¹, José Mauro Pimenta de Souza Messias¹; ¹Universidade Federal de Mato Grosso

- 17:45 Sintering of alumina ceramics by hot-pressing techniques: a comparative study** **D.P1.21**
Tatiani Falvo^{1,2}, Flávia B. Mendes², Marcos P. Gonçalves², Ruth Herta G. Aliaga Kiminami¹; ¹Universidade Federal de São Carlos (UFSCAR), ²Engecer Ltda.
- 17:45 Single-phase highly densified SrBi₂Ta₂O₉ compacts produced by high-pressure sintering** **D.P1.22**
Altair Soria Pereira¹, Ricson Rocha de Souza¹, Vânia Caldas de Sousa¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Lithium disilicate glass under High Pressure: structure and physical properties** **D.P1.23**
Silvio Buchner¹, Altair Soria Pereira¹, João Cardoso de Lima², Paulo Cesar Soares Jr³, Naira Maria Balzaretto¹; ¹Universidade Federal do Rio Grande do Sul, ²Universidade Federal de Santa Catarina, ³Pontifícia Universidade Católica do Paraná
- 17:45 Effect of High Pressure on local structure of pure and Co-doped tin dioxide nanoparticles** **D.P1.24**
Sergio Ferrari¹, Florencia Grinblat¹, Vitaliy Bilovol¹, Laura Gabriela Pampillo¹, Fabio Daniel Saccone², Daniel Errandonea³; ¹Instituto de Tecnologías y Ciencias de la Ingeniería "Hilario Fernández Long", ²Departamento de Física, Facultad de Ingeniería, UBA, ³Institut Universitari de Ciència dels Materials, Universitat de Valencia
- 17:45 High Pressure-XRD study on pure and Fe-doped SnO₂ nanoparticles** **D.P1.25**
Sergio Ferrari¹, Florencia Grinblat¹, David Santamaría-Pérez², Alfredo Segura², Rosario Vilaplana³, Catalin Popescu⁴, Daniel Errandonea², Laura Gabriela Pampillo¹, Fabio Daniel Saccone⁵; ¹Instituto de Tecnologías y Ciencias de la Ingeniería "Hilario Fernández Long", ²Institut Universitari de Ciència dels Materials, Universitat de Valencia, ³Centro de Tecnologías Físicas, Universitat Politècnica de València, ⁴ALBA-CELLS, ⁵Departamento de Física, Facultad de Ingeniería, UBA
- 17:45 High Pressure Study of Nanostructured Cu₂Sb by X-ray diffraction, Extended X-Ray Absorption Fine Structure and Raman measurements.** **D.P1.26**
Sérgio Michielon de Souza¹, Daniela Menegon Trichês¹, João Cardoso de Lima², Alain Polian³; ¹Universidade Federal do Amazonas, ²Universidade Federal de Santa Catarina, ³Institut de Minéralogie, de Physique des Matériaux et de Cosmochimie
- 17:45 Phase martensitic transformation study in mechanically alloyed Ti₅₀Ni₂₅Fe₂₅ alloy via high pressure** **D.P1.27**
João Cardoso de Lima¹, Ailton da Silva Ferreira¹, Pablo Roberto Rovani², Altair Soria Pereira²; ¹Universidade Federal de Santa Catarina, ²Universidade Federal do Rio Grande do Sul
- 17:45 f-level occupancy and crystal structure behavior of the Ce₂Rh_(1-x)Ir_xIn₈ intermetallics under pressure.** **D.P1.28**
Raimundo Lora Serrano¹, Robert Prudêncio Amaral¹, Cris Adriano², Leandro Felix Bufaiçal³, José Gerivaldo Duque⁴, Pascoal G. Pagliuso²; ¹Universidade Federal de Uberlândia, ²Instituto de Física "Gleb Wataghin" - UNICAMP, ³Universidade Federal de Goiás, ⁴Universidade Federal de Sergipe

- 17:45 Effects of Eu-4f/5d hybridization on magnetic properties of EuPt_2Si_2 compound** **D.P1.29**
Ricardo Donizeth Dos Reis¹, Larissa Sayuri Ishibe Veiga², Gilberto Fabbris³, Daniel Haskel³, Flávio César Guimarães Gandra⁴, Narcizo Souza Neto²; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Brazilian Center for Research in Energy and Materials, ³Advanced Photon Source, Argonne National Laboratory, ⁴Instituto de Física "Gleb Wataghin"
- 17:45 Tuning the magnetic transition of $\text{Tb}_5\text{Ge}_2\text{Si}_2$ compound with high-pressure and high-temperature processing** **D.P1.30**
Alexandre Magnus Gomes Carvalho¹, Andréia Fernandes da Silva², María Alexandra Puerto Medina², Julio Cesar Guimarães Tedesco³, Vinícius Gomes de Paula⁴, Adelino de Aguiar Coelho⁴, Naira Maria Balzaretta²; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Federal do Rio Grande do Sul, ³Universidade do Estado do Rio de Janeiro, ⁴Universidade Estadual de Campinas
- 17:45 Development of a high-pressure device to investigate the compressive elastocaloric effect** **D.P1.31**
Nicolau Molina Bom¹, Gabriel Marques Guimarães¹, Adelino de Aguiar Coelho², Alexandre Magnus Gomes Carvalho¹; ¹Laboratório Nacional de Luz Síncrotron, ²Instituto de Física Gleb Wataghin - UNICAMP

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION D.OR4 (08:30 - 10:15) - Room Ipê

- 08:30 Effect of high pressure on some organic molecular crystals and glasses** **D.OR4.8***
Naira Maria Balzaretta¹, María Alexandra Puerto Medina¹, Jackeline Barbosa Brito¹, Andreia Fernandes da Silva¹, israel roger montoya matos¹, Pablo Roberto Rovani¹, Silvio Buchner², Cláudio Antônio Perottoni³, Tania Maria Haas Costa¹, Altair Soria Pereira¹, João Alziro Herz da Jornada¹; ¹Universidade Federal do Rio Grande do Sul, ²Fundação Universidade Federal de Ciências da Saúde de Porto Alegre, ³Universidade de Caxias do Sul
- 09:00 Localization enhancement in the Kondo insulator CeRu_4Sn_6** **D.OR4.10***
Julio Antonio Larrea Jimenez^{1,2,3}, Valentina Martelli^{2,3}, Andre Strydom¹, Hannes Winkler³, Jonhatan Hanel³, Eric Moura², Elisa Baggio Saitovitch², Andreas Eichler⁴, Henrik Ronnow⁵, Andrey Prokofiev³, Silke Paschen³; ¹University of Johannesburg, ²Centro Brasileiro de Pesquisas Físicas, ³Vienna University of Technology, ⁴Technische Universität Braunschweig, ⁵École Polytechnique Fédérale de Lausanne
- 09:30 Bulk modulus and phase transitions determination of Mechanical Alloyed Nanocrystalline Powders under High Pressure** **D.OR4.11**
Carlos E. M. Campos¹; ¹Universidade Federal de Santa Catarina

09:45 Pressure studies of the electrical transport properties of caged-type stannides $R_3M_4Sn_{13}$

Leticie Mendonça Ferreira¹, Pascoal G. Pagliuso², Fellipe Baptista Carneiro³, Magda Bittencourt Fontes³, E. B. Saitovitch³, Eduardo Matzenbacher Bittar³; ¹Universidade Federal do ABC, ²Universidade Estadual de Campinas, ³Centro Brasileiro de Pesquisas Físicas

SYMPOSIUM E - X Brazilian Electroceramics Symposium

Symposium organizers:

Marcelo Ornaghi Orlandi (*IQ-UNESP*)

Manuel Henrique Lente (*UNIFESP*)

Daniel Zanetti de Florio (*UFABC*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION E.OR1 (09:45 - 10:45) - Room Ipê

- 09:45 Novel sintering approaches for densifying ceramic oxides with improved properties** **E.OR1.1***
Reginaldo Muccillo¹, Eliana Navarro dos Santos Mucillo¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 10:15 Phase stability and ionic conductivity of spark plasma sintered scandia-zirconia containing additives** **E.OR1.2**
Robson Lopes Grosso¹, Ana Júlia Tertuliano², Izabel Fernanda Machado², Eliana Navarro dos Santos Muccillo¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Escola Politécnica de Universidade de São Paulo
- 10:30 Synthesis and characterization of pure and Zr-substituted YMnO₃ compounds as SOFC electrode** **E.OR1.3**
ZULMA MORENO BOTELLO MORENO BOTELLO¹, Alberto Caneiro^{2,3}, PASCAL ROUSSEL^{4,5,6,7}, Gilles Henri Gauthier¹; ¹Universidad Industrial de Santander, ²CENTRO ATÓMICO DE BARILOCHE, ³COMISIÓN NACIONAL DE ENERGÍA ATÓMICA, ⁴École Nationale Supérieure de Chimie de Lille, ⁵Université Lille Nord de France, ⁶Unite de Catalyse et Chimie du Solide, ⁷Université Lille 1 - Sciences et Technologies

SESSION E.OR2 (11:15 - 12:00) - Room Ipê

- 11:15 A Review on Advances in Metal Oxide Semiconductors Materials for Ozone Gas Sensor Application** **E.OR2.4***
Valmor Roberto Mastelaro¹; ¹Instituto de Física de São Carlos - USP
- 11:45 ZnO-SnO₂ nanoheterojunctions prepared via microwave-assisted non-aqueous route and their gas-sensing properties** **E.OR2.5**
Luís Fernando da Silva^{1,2}, Mattia A Lucchini¹, Tomas Fiorido, Sandrine Bernardini³, Khalifa Aguir⁴, Cauê Ribeiro Oliveira⁵, Elson Longo², Markus Niederberger¹; ¹Swiss Federal Institute of Technology / Eidgenössische Technische Hochschule ETH Zürich, ²Instituto de Química de Araraquara/UNESP, ³Aix-Marseille University, ⁴Université Paul Cézanne Aix-Marseille 3, ⁵Universidade Federal de São Carlos - Campus: São Carlos

SESSION E.OR3 (14:00 - 16:15) - Room Ipê

- 14:00 The influences of stoichiometric variation of fuel used in the combustion synthesis to the characteristics of the microstructural and electrical Cerium oxide doped with calcio** **E.OR3.6***
Evandro Garske Scarabelot¹, Vânia Caldas de Sousa¹, José Ramon Jurado Egea¹; ¹Universidade Federal do Rio Grande do Sul

- 14:30 Dielectric, ferroelectric and magnetoelectric properties of h-BaTiO₃ and CoFe₂O₄ composites prepared by LHPG technique** **E.OR3.7**
Flávio Paulo Milton¹, Diego Seiti Fukano Viana², Fabio Luis Zabotto¹, Marcello R. B. Andreetta¹, Ducinei Garcia¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de São Carlos
- 14:45 On the dielectric characteristics and PTCR effect in donor-doped barium titanate ceramics** **E.OR3.8**
Marco Aurélio de Oliveira¹, Atair Carvalho Silva¹, Jean Claude M'Peko², Antonio Carlos Hernandez², José de los Santos Guerra³; ¹Faculdade de Engenharia/UNESP-IS, ²Instituto de Física de São Carlos - USP, ³Universidade Federal de Uberlândia
- 15:00 Quantifying the phase transition diffusivity around the morphotropic phase boundary compositions of the (Pb,Ca)TiO₃ solid solutions** **E.OR3.9**
Flavia Regina Estrada¹, Ducinei Garcia¹; ¹Universidade Federal de São Carlos
- 15:15 Electric field-assisted sintering of yttria-stabilized zirconia: dependence on the frequency and the current density** **E.OR3.10**
Sabrina Gonçalves de Macedo Carvalho¹, Eliana Navarro dos Santos Muccillo¹, Reginaldo Muccillo¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 15:30 Study of the crystallization kinetics of TeO₂-based glass-ceramics containing ferroelectric nanocrystals** **E.OR3.11**
Renato Cruvinel de Oliveira¹, Anielle Christine Almeida Silva², Noélio Oliveira Dantas², José de los Santos Guerra²; ¹Faculdade de Engenharia/UNESP-IS, ²Universidade Federal de Uberlândia

Poster presentations

SESSION E.P1 (17:45 - 19:30)

- 17:45 Sensor Response of n-type Semiconductors** **E.P1.1**
Marcelo O Orlandi¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Electrospinning of LaNiO₃ and LaNi_{0.6}Fe_{0.4}O₃ Nanowires** **E.P1.2**
Bruna Niccoli Ramirez¹, Daniel Felipe Simião¹, Márcia Tsuyama Escote¹; ¹Universidade Federal do ABC
- 17:45 Mechanical, magnetic and microstructural evaluation of NiCo ferrite and its Ag-based cermet** **E.P1.4**
Mônica Sumie Hieda¹, João Paulo Machado², Jessica Aparecida Nascimento Ferreira^{3,4}, Mateus Botani Dias⁵, Cristina Bormio Nunes⁵, Vera Lúcia Othéro de Brito^{1,4}; ¹Instituto Tecnológico de Aeronáutica, ²Instituto Nacional de Pesquisas Espaciais, ³Universidade Braz Cubas, ⁴Instituto de Estudos Avançados, ⁵Universidade de São Paulo
- 17:45 Effect of the excess of PbO in the synthesis of ferroelectric PLZT ceramics and thin films** **E.P1.5**
Atair Carvalho Silva¹, Elton Carvalho Lima², José de los Santos Guerra³; ¹Faculdade de Engenharia/UNESP-IS, ²Fundação Universidade Federal do Tocantins, ³Universidade Federal de Uberlândia

- 17:45 Effects of Adding Alumina and Metal oxides in Mechanical Strength Pressure Uniaxial in the Ceramics Clay Base. E.P1.6**
 Bruna Andrade¹, Fábio Henrique Sales¹, Marcos Davi de Carvalho Junior², Luziana Bezerra Borralho³; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Universidade Estadual do Maranhão, ³Universidade Federal do Triângulo Mineiro
- 17:45 Grain Boundaries Phenomena in Nanostructured Ceramics: Multiple Inner Interfaces Investigated at High Temperature by Impedance Spectroscopy E.P1.7**
Silvania Lanfredi¹, Jessica Taeko Sanches Kohara¹, Felipe Silva Bellucci², Marcos Augusto Lima Nobre¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Ministério da Ciência Tecnologia e Inovação
- 17:45 Study of magnetoelectric coupling in (Bi_{1-x}Nd_x)(Fe_{0.99}Co_{0.01}) compositon using ferroic characterizations E.P1.8**
Anuar Jose Mincache¹, Odair Gonçalves Oliveira¹, Ivair Aparecido Santos¹, Luiz Fernando Cótica¹, Gustavo Sanguino Dias¹, Rafael da Silva¹; ¹Universidade Estadual de Maringá
- 17:45 Influence of tetragonal zirconium yttrium oxide as pinning points on the obtaining of sodium-β''-alumina electrolytes E.P1.9**
Daisy Catharina Rodrigues¹, Dulcina Pinatti Ferreira de Souza¹; ¹Universidade Federal de São Carlos
- 17:45 The influence of sintering aids on the microstructural development of BaCe_{0.9}Y_{0.1}O₃ electrolyte E.P1.10**
Kethlinn Ramos¹, Dulcina Pinatti Ferreira de Souza¹; ¹Universidade Federal de São Carlos
- 17:45 Study of the electronic structure of the (Bi_{1-x}Nd_x)(Fe_{1-y}Co_y)O₃ multiferroic system using the maximum entropy method E.P1.11**
 Odair Gonçalves Oliveira¹, Anuar Jose Mincache¹, Ivair Aparecido Santos¹, Luiz Fernando Cótica¹, Gustavo Sanguino Dias¹; ¹Universidade Estadual de Maringá
- 17:45 Zn, Al and Y-Ba-Cu solid solution as Sintering Aids in BaZr_{0.8}Y_{0.2}O₃ E.P1.12**
Leonardo Pacheco Wendler¹, Márcio Raymundo Morelli¹, Dulcina Pinatti Ferreira de Souza¹; ¹Universidade Federal de São Carlos
- 17:45 Influence of Lanthanum addition on the structural and anelastic properties of the [(Bi_{0.5}Na_{0.5})_{0.94}Ba_{0.06}]_(1-x)La_xTiO₃ lead free electroceramics E.P1.13**
Julio Cesar Camilo Albornoz Diaz¹, Paulo Sérgio da Silva Junior¹, Michel Venet Zambrano¹; ¹Universidade Federal de São Carlos
- 17:45 Magnetic and electrical properties of Magnesium Zinc Ferrites E.P1.14**
 Flavio Souza¹, Vander Alkmin dos Santos Ribeiro¹, Claudiney de Sales Pereira Mendonça¹, Manoel Ribeiro da Silva¹, Valesca Donizeti de Oliveira¹, Rero Marques Rubinger¹, Adhimar Flávio Oliveira¹; ¹Universidade Federal de Itajubá
- 17:45 An investigation of Co addition on the surface, structural and gas sensing properties of nanocrystalline ZnO films E.P1.15**
Ariadne Cristina Catto¹, Luís Fernando da Silva², Sandrine Bernardini³, Khalifa Aguir³, Valmor Roberto Mastelaro¹; ¹Instituto de Física de São Carlos, ²Instituto de Química de Araraquara/UNESP, ³Université Aix-Marseille, Faculté St Jérôme
- 17:45 Synthesis and characterization of the La_{[(2/3)-x]Li_{3x}TiO₃ (x = 0.10, 0.11, 0.12) perovskite system E.P1.16}**
Rafael Bonacin de Oliveira¹, Marcello R. B. Andreetta¹, Dulcina Pinatti Ferreira de Souza¹; ¹Universidade Federal de São Carlos - Campus: São Carlos

- 17:45 Gas sensor study on individual's pristine and focused ion beam nanofabricated SnO disks** **E.P1.17**
Mateus Gallucci Masteghin¹, Marcelo O Orlandi¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Effects of the additions of strontium gallate on Electrical conductivity of La_{0.9}Sr_{0.1}Ga_{0.8}Mg_{0.2}O_{3-δ}** **E.P1.18**
shirley Leite dos Reis¹, Eliana Navarro dos Santos Muccillo¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 Mullite Synthesis From Bauxite and Kaolin** **E.P1.19**
Wirland Matheus de Melo Costa¹, Luanda Zarría Morais Jabour¹, LORENA MONIQUE MELO¹, Amanda Cristina Medeiros da Silva¹, Elias Fagury Neto¹, Paulo Cesar Reis Filho²; ¹UNIVERSIDADE FEDERAL DO SUL E SUDESTE DO PARÁ, ²Universidade Federal do Sul e Sudeste do Pará
- 17:45 Properties of porous samaria-doped ceria ceramics with lithium fluoride as sacrificial pore former** **E.P1.20**
Tatiane Cristina Porfírio¹, Eliana Navarro dos Santos Muccillo¹, Yone Vidotto França¹, Fernando Manuel Bico Marques², Reginaldo Muccillo¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Universidade de Aveiro
- 17:45 Favorable Conditions for Photoluminescent Emission in Crystalline BZT** **E.P1.21**
Agda Eunice de Souza¹, Guilherme Seidi Sasaki², Silvio Rainho Teixeira^{1,3}, Wagner silveira Silveira⁴, Máximo Siu Li⁵, Elson Longo⁶; ¹FCT-UNESP Campus de Presidente Prudente, ²Faculdade de Ciências e Tecnologia - Universidade Estadual Paulista "Júlio de Mesquita Filho", ³Faculdade de Engenharia/UNESP-IS, ⁴Fundação Universidade Federal da Grande Dourados, ⁵Universidade de São Paulo, ⁶Universidade Federal de São Carlos
- 17:45 THE STUDY OF CERAMIC ADDITIVES Mg-Mn USED AS A ISOLATORS MATERIALS** **E.P1.22**
carlos alberto reis de freitas¹, Mayara dos Santos Amarante²; ¹Departamento de Ciência e Tecnologia Aeroespacial, ²Instituto de Estudos Avançados
- 17:45 Electromagnetic Absorption Efficiency Based on Additives of Mn-Zn Ferrites for Shielding Electronical- Aeronautical- and Spatial Equipments** **E.P1.23**
carlos alberto reis de freitas¹, ALBERTO JOSÉ FARO DE ORLANDO¹; ¹Departamento de Ciência e Tecnologia Aeroespacial
- 17:45 Thermal and Magneto Optical characterization of P₂O₅-CdO-Na₂O-La₂O₃ glass sensitized by Nd³⁺ and Cr³⁺** **E.P1.24**
Victor Ciro Solano Reynoso¹, Raul Fernando Cuevas²; ¹UNESP-Campus de Ilha Solteira, ²Universidade Federal de Uberlândia
- 17:45 Diffuse phase transition and dielectric properties of rare-earth modified PZT ferroelectric ceramics** **E.P1.25**
Suzana Pereira Hessel¹, Atair Carvalho Silva², Ruyan Guo³, Amar S. Bhalla³, José de los Santos Guerra¹; ¹Universidade Federal de Uberlândia, ²Faculdade de Engenharia/UNESP-IS, ³University of Texas San Antonio
- 17:45 FORMULATION OF DIOPSIDE GLASS POWDER SUSPENSION FOR TAPE CASTING** **E.P1.26**
Raul Julian Revelo Tobar¹, Sergio Gomes Machado Filho¹, Carlos Alberto Fortulan¹, Eduardo Bellini Ferreira¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Influence of the grain size on dielectric and ferroelectric properties of PMN-PT/CFO magnetoelectric composites** **E.P1.27**
Diego Seiti Fukano Viana¹, José Antônio Eiras¹, Ducinei Garcia¹; ¹Universidade Federal de São Carlos

- 17:45 Evolution of crystalline phases and morphotropic phase boundary of (Bi, Na)TiO₃-(Bi,K)TiO₃-BaTiO₃ lead-free ceramics** **E.P1.28**
David Antonio Barbosa Quiroga¹, Michel Venet Zambrano¹, Ariano De Giovanni Rodrigues¹, Odila Florencio¹, Paulo Sérgio da Silva Junior¹;
¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Highly textured KNN-based piezoelectric ceramics by conventional sintering** **E.P1.29**
Angelica Maria Mazuera Zapata¹, Paulo Sérgio da Silva Junior¹, Michel Venet Zambrano¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Microstructural, structural and electrical properties of bilayered BaTi_{0.95}Zr_{0.05}O₃/Ba_{0.75}Sr_{0.25}TiO₃ ceramics** **E.P1.30**
Eduardo Antonelli¹, Antonio Guerreiro Serrano¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Influence of synthesis and sintering parameters on structure and phase transitions of Ba_{0.77}Ca_{0.23}TiO₃ - BaTi_{0.85}Zr_{0.15}O₃ 50/50 composite ceramics** **E.P1.31**
Eduardo Antonelli¹, Renato Boschilia Junior¹, Antonio Carlos Hernandez², Thiago Martins Amaral²; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Instituto de Física de São Carlos
- 17:45 Synthesis and characterization of a double-perovskite anode for solid oxide fuel cells** **E.P1.32**
Natalia Kondo Monteiro¹, Gabriel Alves Candido da Silva¹, Fabio Coral Fonseca¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Preparation and properties of hydrophobic Faujasite Zeolite** **E.P1.33**
Bruno Cano Mascarenhas¹, Francine Aline Tavares¹, Elaine Cristina Paris²;
¹Universidade Federal de São Carlos, ²Embrapa Instrumentação
- 17:45 Synthesis and immobilization of the SiO₂ nanoparticles for adsorption of organic pollutants** **E.P1.34**
Francine Aline Tavares¹, Bruno Cano Mascarenhas¹, Elaine Cristina Paris²;
¹Universidade Federal de São Carlos - Campus: São Carlos, ²Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos
- 17:45 Low temperature synthesis of gadolinium-doped cerium oxide nanoparticles** **E.P1.35**
Leticia Poras Reis de Moraes¹, Natalia Kondo Monteiro¹, Marina Ferreira de Souza Machado¹, Vincenzo Esposito², Daniel de Florio³, Debora Marani², Fabio Coral Fonseca¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Technical University of Denmark / Danmarks Tekniske Universitet, ³Universidade Federal do ABC
- 17:45 Grain boundary resistance change in SnO₂ varistors by the insertion of SnO micro-disks** **E.P1.36**
Rafael Camargo Bertinotti¹, Mateus Gallucci Masteghin¹, Marcelo O Orlandi¹;
¹Instituto de Química de Araraquara/UNESP
- 17:45 Study of electrochemical properties of the Prussian blue obtained via pentacyanidoferrate complex** **E.P1.37**
Marcio Cristiano Monteiro¹, Kalil Cristhian Figueiredo Toledo¹, Bruno Morandi Pires¹, Rene Wick², Juliano Alves Bonacin¹; ¹Institute of Chemistry-UNICAMP, ²University of Zurich
- 17:45 2D layered gadolinium-doped cerium oxide nanomaterials** **E.P1.38**
Fabio Coral Fonseca¹, Leticia Poras Reis de Moraes¹, Vincenzo Esposito², Daniel de Florio³, Debora Marani²; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Technical University of Denmark / Danmarks Tekniske Universitet, ³Universidade Federal do ABC

- 17:45 Synthesis of Ni nanoparticles in lanthanum chromite ceramic matrix** **E.P1.39**
Victor Buratto Tinti¹, Fábio Coral Fonseca², Daniel de Florio¹; ¹Universidade Federal do ABC, ²Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Electrical characterization of gadolinia-doped ceria obtained from nanopowder through two-step sintering assisted by ZnO and CoO addition** **E.P1.40**
Lúcia Adriana Villas Boas¹, Dulcina Pinatti Ferreira de Souza²; ¹Faculdade de Ciências e Engenharia - UNESP/Tupã, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Synthesis and properties of high-density nanostructured BiFeO₃ ceramics obtained by spark plasma sintering** **E.P1.41**
Eduardo Azzolini Volnistem¹, Gustavo Sanguino Dias¹, Luiz Fernando Cótica¹, Ducinei Garcia², José Antônio Eiras², Ivair Aparecido Santos^{1,3}, Diego Seiti Fukano Viana²; ¹Universidade Estadual de Maringá, ²Universidade Federal de São Carlos, ³University of Texas San Antonio
- 17:45 Study of Composite Films Obtained by the Insertion of Indium Tin Oxide Nanowires in Polyvinyl Butyral Polymer** **E.P1.42**
Fernando Modesto Borges Oliveira¹, Marcelo O Orlandi², Elson Longo³, José A. Varela³; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Instituto de Química de Araraquara/UNESP, ³Instituto de Química - IQ - Unesp - Araraquara
- 17:45 Electrical properties of glass-ceramic produced using sugarcane bagasse ash** **E.P1.43**
Silvio Rainho Teixeira¹, Neri Alves¹, Tiago Carneiro Gomes¹, Wagner Silveira², Renata da Silva Magalhães¹, Agda Eunice de Souza¹, Vinicius Duarte Jesus¹, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Fundação Universidade Federal da Grande Dourados
- 17:45 Co- and Zn- effect on SnO₂-based varistor film** **E.P1.44**
Glauco Meireles Mascarenhas Morandi Lustosa¹, João Paulo de Campos da Costa¹, Leinig Antonio Perazolli¹, Maria Ap. Zaghete¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Doped ceria and metal borides as composite materials for high temperature water splitting and synthetic fuel production by solar thermochemical conversion** **E.P1.45**
Daniel de Florio¹; ¹Universidade Federal do ABC
- 17:45 Study and Development of Ceramic Materials for use in Solid Oxide Fuel Cell Anodes using Renewable Fuels in Direct Operation** **E.P1.47**
Daniela Bianchi Ponce Leon Lima¹, Daniel de Florio²; ¹Instituto Federal do Paraná, ²Universidade Federal do ABC
- 17:45 Preparation of Sr₂(MgMo)_{1-x}Ru_xO₆ ceramics for use in a solid oxide fuel cell anode** **E.P1.48**
Matheus Eiji Ohno Bezerra¹, Fabio Coral Fonseca², Daniel de Florio¹; ¹Universidade Federal do ABC, ²Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Evaluation of the faujasite zeolite:CoFe₂O₄ composite for pollutant adsorption in aqueous medium** **E.P1.49**
Henrique Cesar Musetti¹, Oneide Chire Quispe², Bruno Cano Mascarenhas², Elaine Cristina Paris³; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de São Carlos, ³Embrapa Instrumentação

- 17:45 Influence of the microstructure at magnetic and electrical properties of copper ferrite doped with niobium** **E.P1.50**
 Flavio Souza¹, Vander Alkmin dos Santos Ribeiro¹, Claudiney de Sales Pereira Mendonça¹, Manoel Ribeiro da Silva¹, Valesca Donizeti de Oliveira¹, Rero Marques Rubinger¹, Adhimar Flávio Oliveira¹; ¹Universidade Federal de Itajubá
- 17:45 Obtaining and evaluation of magnetic support in the CuO photocatalist properties** **E.P1.51**
Lílian Cruz Santos¹, Camila Rodrigues Sciena¹, Bruno Cano Mascarenhas¹, João Otávio Donizette Malafatti¹, Elaine Cristina Paris²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Embrapa Instrumentação
- 17:45 Multi: a software of the JST-XRD suite for pseudo 3D X-ray powder diffraction plot. An easy tool for identifying phase transitions** **E.P1.52**
Julia Sawaki Tanaka¹, Carlos Oliveira Paiva-Santos¹, Diego Luiz Tita¹, Isabella Franco de Bastos Cirello¹, Vinícius D.N. Bezzon¹, Selma Gutierrez Antonio¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Processing and characterization of physical properties of (Bi_{0.5},Na_{0.5})TiO₃-(Bi_{0.5},K_{0.5})TiO₃ lead-free piezoceramics** **E.P1.53**
Giovanna Cristina da Silva Batista¹, Manuel Henrique Lente¹; ¹Federal University of São Paulo
- 17:45 Crystal growth and characterization of lead-free based Cu-doped K_{0.48}Na_{0.52}NbO₃ fibers by micro-pulling-down** **E.P1.54**
Marcus Vinicius Silva¹, Ana Maria do Espírito Santo¹, Sonia Licia Baldochi², José Antônio Eiras³, Manuel Henrique Lente¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Instituto de Pesquisas Energéticas e Nucleares, ³Universidade Federal de São Carlos
- 17:45 Dihedral angle measurements on YSZ-30%vol. Al₂O₃ Polycrystalline Ceramic Composites** **E.P1.55**
Sérgio Augusto Natali Amaral¹, Sergio Natali Amaral¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 OBTAINMENT OF SrBi₂Nb₂O₉ DOPED WITH BISMUTH OXIDE BISMUTH FOR APPLICATION IN DIELECTRIC ANTENNAS** **E.P1.56**
 Emmanuelle Oliveira Sancho¹, Antônio Jefferson Mangueira Sales¹, Antonio Sérgio Bezerra Sombra¹, Juscelino Chaves Sales², Samuel Oliveira Saturno³; ¹Universidade Federal do Ceará, ²Universidade Estadual do Vale do Acaraú, ³Instituto Federal de Educação, Ciência e Tecnologia do Ceará
- 17:45 STUDY REGARDING THE INFLUENCE OF TIME AND CALCINATION TEMPERATURE IN THE EVOLUTION OF BARIUM MOLYBDATE AND STRONTIUM PHASES (Ba_{0.5}Sr_{0.5}) MoO₄.** **E.P1.57**
 Pâmella Rayo de Luar Campos Gonçalves¹, Meirinalva Batista Miranda Coelho¹, José Manuel Rivas Mercury¹, Içamira Costa Nogueira², Iedo Alves de Souza¹, Elson Longo³; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Universidade Federal de São Carlos (UFSCAR), ³Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Effect of Electrical Resistivity and Dielectric Constant of Alumina Doped Niobia** **E.P1.58**
 Pâmella Rayo de Luar Campos Gonçalves¹, Fábio Henrique Sales¹, Meirinalva Batista Miranda Coelho¹, Marcelo Moizinho Oliveira¹, José Manuel Rivas Mercury¹, Elson Longo², Iedo Alves de Souza¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Universidade Estadual Paulista Júlio de Mesquita Filho

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION E.OR4 (09:45 - 10:45) - Room Ipê

- 09:45 ENAMELING COATING TECHNOLOGY OF PIPES. E.OR4.12***
Signo Thadeus Reis¹, Genda Chen¹, Liang Fan¹; ¹Missouri University of Science and Technology
- 10:15 Room Temperature Magnetoelectric Effect in Single Phase Oxides E.OR4.13**
José Antônio Eiras¹, Barbara Maraston Fraygola^{2,1}, Fabio Luis Zabotto¹, Manuel Henrique Lente³; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²École Polytechnique Fédérale de Lausanne, ³Universidade Federal de São Paulo - Campus São José dos Campos
- 10:30 Effect of Bi₂Fe₄O₉ secondary phase on the Structural, Dielectric and Magnetic properties of BiFeO₃ ceramic E.OR4.14**
Prasun Banerjee¹, Adolfo Junior Franco¹; ¹Universidade Federal de Goiás

SESSION E.OR5 (11:15 - 12:00) - Room Ipê

- 11:15 Facile preparation of Lithium Niobate Ceramics E.OR5.15***
Neftalí Lenin Villarreal Carreño¹; ¹Universidade Federal de Pelotas
- 11:45 Ni-Ba-doped KNbO₃ ceramics obtained by two preparation methods: syntheses and optical properties E.OR5.16**
Manuel Henrique Lente¹, Ronaldo Crosio Gennari², José Antônio Eiras³, Rossano Lang Carvalho¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade Federal de São Paulo, ³Universidade Federal de São Carlos

SESSION E.OR6 (14:00 - 16:15) - Room Ipê

- 14:00 Metal Oxide Nanosurfaces and Hetero-interfaces for Energy Harvesting Applications E.OR6.17***
Prof. Dr. Sanjay Mathur¹, Dr. Thomas Fischer¹, Dr. Yakup Goenuellue¹; ¹University of Cologne
- 14:30 The role of oxygen on CaCu₃Ti₄O₁₂ ceramics: from sintering to electrical properties E.OR6.18***
Anderson A. Felix¹, Vinícius D.N. Bezzon¹, Elson Longo¹, Damjan Vengust², Matjaz Spreitzer², Danilo Suvorov², José A. Varela¹; ¹Instituto de Química de Araraquara/UNESP, ²Institute Jozef Stefan
- 15:00 Effects of Sr/La co-doping on the dielectric properties of CaCu₃Ti₄O₁₂ E.OR6.19**
Rodrigo A. Espinoza-González¹, Sorach P. Vidal¹; ¹Universidad de Chile

- 15:15 Controlling the breakdown electric field in SnO₂ based varistors by the insertion of SnO₂ nanobelts** **E.OR6.20**
Mateus Gallucci Masteghin¹, Marcelo O Orlandi¹; ¹Instituto de Química de Araraquara/UNESP
- 15:30 Development of a chamber using self-heating elements to detect gas sensor activity in semiconductors** **E.OR6.21**
Mario Cilense¹, Sonia Maria Zanetti¹, João Paulo de Campos da Costa¹;
¹Instituto de Química de Araraquara/UNESP

SYMPOSIUM F - Advanced and Analytical Microscopy and Spectroscopy of Nanostructures and Engineering Materials

Symposium organizers:

Guillermo Solorzano (*PUC-Rio*)
Daniel Lorscheitter Baptista (*UFRGS*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION F.OR1 (09:45 - 10:45) - Room Seringueira

- 09:45** **Understanding Thermal Stability of Ceramics Nanosystem applied in electrocatalyst and photoelectrocatalyst : A “In situ” and “Ex situ” TEM study** **F.OR1.1***
Edson Roberto Leite
- 10:15** **Monoatomic gold catalysts supported on palladium nanoparticles: preliminary results on aberration-corrected imaging using the newly installed Titan³ Themis 300 in LNNano** **F.OR1.2**
Érico Teixeira Neto¹, Marina Morais Tófilo^{2,1}, Ângela Albuquerque Teixeira Neto¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Estadual de Campinas
- 10:30** **Synthesis of monoatomic gold catalysts supported on metal nanoparticles for oxidation reactions** **F.OR1.3**
Marina Morais Tófilo^{1,2}, Ângela Albuquerque Teixeira Neto¹, Érico Teixeira Neto¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Faculdade de Engenharia Química - UNICAMP

SESSION F.OR2 (11:15 - 12:00) - Room Seringueira

- 11:15** **Nanostructured photocatalysts of titanate nanotubes and Ag₃PO₄ with enhanced visible light activity** **F.OR2.4**
Ricardo Nascimento Pombo do Amaral¹, Paula Mendes Jardim¹; ¹Universidade Federal do Rio de Janeiro
- 11:30** **1D Sodium Niobate Synthesized by Alkaline Hydrothermal Route** **F.OR2.5**
Beatriz Rodrigues Canabarro¹, Paula Mendes Jardim¹; ¹Universidade Federal do Rio de Janeiro
- 11:45** **Experimental study of the Microstructural and Mineralogical behavior of concrete manufactured in Colombia exposed to high temperatures, claims valuation methodology** **F.OR2.6**
Martin Eduardo Espitia^{1,2}, Andrés Mauricio Muñoz Garcia^{1,3}, Henry Yesid Bustos¹, Edgar Monroy¹; ¹Corporación Universitaria Minuto de Dios, ²Universidad EAN Escuela de Administración de Negocios, ³Instituto Tecnológico Metropolitano

SESSION F.OR3 (14:00 - 16:15) - Room Seringueira

- 14:00** **Texture and phase analysis in nanocrystalline Ni thin films by precession electron diffraction microscopy** **F.OR3.7***
Paulo Ferreira¹; ¹Materials Science and Engineering Program, University of Texas at Austin, USA

- 14:30 Nanoscale analysis of calcium phosphate films obtained by magnetron sputtering during the initial stages of deposition** **F.OR3.8**
 Elvis Oswaldo López Meza¹, Alexandre Silva Mello¹, Marcos Farina², Alexandre Malta Rossi¹, André Linhares Rossi¹; ¹Centro Brasileiro de Pesquisas Físicas, ²Universidade Federal do Rio de Janeiro
- 14:45 Electron energy loss spectroscopy as a tool for measuring electron beam damage in proteins** **F.OR3.9**
Marcelo Alexandre De Farias¹, Marin van Heel^{2,1,3}, Jefferson Bettini¹, Rodrigo Villares Portugal¹; ¹Brazilian Center for Research in Energy and Materials, ²Leiden University / Universiteit Leiden, ³Imperial College London
- 15:00 A study of the substrate surface chemical states at the interface TiN/Si by X-Ray Photoelectron Spectroscopy** **F.OR3.10**
Vinícius Gabriel Antunes¹, Carlos Alejandro Figueroa², Fernando Alvarez¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Universidade de Caxias do Sul

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION F.OR4 (09:45 - 10:45) - Room Seringueira

- 09:45 Electron irradiation effects on the structural stability of nano objects** **F.OR4.11***
Paulo F. P. Fichtner^{1,2}, Mariana de Mello Timm¹, Z. E. Fabrim¹, Daniel Lorscheitter Baptista¹; ¹Physics Institute, Federal University of Rio Grande do Sul, Brazil, ²Metallurgy Department, Engineering School, Federal University of Rio Grande do Sul, Brazil
- 10:15 MultiSIMNRA, a computational tool for reliable RBS-FRS depth profile analysis** **F.OR4.12**
Manfredo Harri Tabacniks¹, Antonio Domingues Santos¹, Luciana Reyes Pires Kassab², Tiago Fiorini da Silva¹, Cleber Lima Rodrigues¹, Nemitala Added¹, Matej Mayer³; ¹Instituto de Física-USP, ²Faculdade de Tecnologia de São Paulo, ³Max-Planck-Institut für Plasmaphysik
- 10:30 Study of the naphthenic corrosion rate in the crude oils and molecules model** **F.OR4.13**
Heloisa Pinto Dias¹, Eliane Valéria de Barros¹, Wanderson Romão², Gloria Viegas Aquije², Eustaquio de Castro, Debora Domingos Cavaglieri², Fernanda Endringer Pinto¹, Antonio Augusto Lopes Marins¹, Pedro Vitor Morbach Dixini¹, Robson Rodrigues Moura³, Alexandre Oliveira Gomes³; ¹Universidade Federal do Espírito Santo, ²Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ³Petrobras

SESSION F.OR5 (11:15 - 12:00) - Room Seringueira

- 11:15 Nanoscale characterization with ChemiSTEM technology: a powerful tool for the understanding of materials behavior** F.OR5.14
JEAN DILLE¹; ¹Universidade Federal do Rio de Janeiro
- 11:30 Oxygen impact on the electronic and vibrational properties of black phosphorus probed by infrared nanospectroscopy** F.OR5.15
Daniel Grassescchi¹, Dario Bahamon¹, Francisco Carlos Barbosa Maia², Raul de Oliveira Freitas², Christiano J. S. de Matos¹; ¹Universidade Presbiteriana Mackenzie, ²Laboratório Nacional de Luz Síncrotron
- 11:45 Synchrotron infrared nanospectroscopy for the investigation of photonic and molecular nanomaterials** F.OR5.16
Raul de Oliveira Freitas¹; ¹Laboratório Nacional de Luz Síncrotron

SESSION F.OR6 (14:00 - 16:15) - Room Seringueira

- 14:00 Combined spectroscopy approaches towards the study of truly 1D carbon-based structures** F.OR6.17*
Paola Ayala^{1,2}; ¹Yachay Tech, ²University of Vienna
- 14:30 STM/STS STUDY OF THE THERMAL STABILITY OF SWITCHING PHENOMENA OF MOLYBDENUM DISULFIDE** F.OR6.18
Alejandro Cristians Rios Cuadros¹, Diogo Duarte dos Reis², Frederico Dias Brandão¹, Klaus Wilhelm Heinrich Krambrock¹, Angelo Malachias de Souza¹, Rogério Magalhaes Paniago¹; ¹Universidade Federal de Minas Gerais, ²Universidade Federal de Mato Grosso do Sul
- 14:45 Nanomechanical characterization and Raman mapping of crystallographic spatial domains in tungsten oxide thin films** F.OR6.19
Jose Luis Enriquez-Carrejo¹, Manuel Antonio Ramos-Murillo¹, Jose Mireles-Jr-Garcia¹, Abel Hurtado-Macias²; ¹Universidad Autónoma de Ciudad Juarez, ²Centro de Investigación en Materiales Avanzados

Poster presentations

SESSION F.P1 (17:45 - 19:30)

- 17:45 Cellulose- lignin bioblend beads: preparation, characterization and functionalization** F.P1.1
Lidiane de Oliveira Pinto¹, Rubia Figueredo Gouveia¹, Mathias Strauss¹, Juliana da Silva Bernardes¹; ¹Brazilian Nanotechnology National Laboratory
- 17:45 Structural and morphologic analysis of polymer blends of natural rubber with sugar cane bagasse ashes and low density polyethylene blends through silanization process** F.P1.2
Giovanni Barrera Torres^{1,2}, Caroline Silva Danna², rafael Jesus gonçaves Rubira², Carlos José Leopoldo Constantino², Silvio Rainho Teixeira², Aldo Eloizo Job²; ¹Instituto Tecnológico Metropolitano, ²FCT-UNESP Campus de Presidente Prudente

- 17:45 Polyester matrix reinforced by hybrid fabric of fiberglass and jute fiber** **F.P1.3**
Jair Francisco Souza Magalhães¹, César Tadeu Nasser Medeiros Branco¹, Ailton da Silva Nascimento¹, Edwillson Gonçalves de Oliveira Filho^{2,1}, Fábio Santos de Sousa^{2,1}, José Maria Braga Pinto^{2,1}, Luciano Monteiro Almeida¹, Roberto Tetsuo Fujiyama¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Sintering study of ferrites, BaTiO₃ and their ceramic composites** **F.P1.4**
Mayara dos Santos Amarante¹, Rosana Silva Xavier², Manuel Henrique Lente³, Luis Antonio Genova⁴, Vera Lúcia Othéro de Brito⁵; ¹Instituto Tecnológico de Aeronáutica, ²Universidade Federal de São Paulo, ³Universidade Federal de São Paulo - Campus São José dos Campos, ⁴Instituto de Pesquisas Energéticas e Nucleares, ⁵Instituto de Estudos Avançados
- 17:45 Hybrid polymeric composites with aligned and continuous natural and synthetic fibers** **F.P1.5**
Luciano Monteiro Almeida¹, Ailton da Silva Nascimento¹, César Tadeu Nasser Medeiros Branco¹, Edwillson Gonçalves de Oliveira Filho^{2,1}, Fábio Santos de Sousa^{2,1}, Jair Francisco Souza Magalhães¹, José Maria Braga Pinto², Roberto Tetsuo Fujiyama¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Analysis of structural distortions associated with Eshelby twist in individual InP nanowires by Spatially resolved Precession Electron Diffraction (SPED)** **F.P1.6**
Daniel Mario Ugarte^{1,2}, Luiz Galvão Tizei³, Mônica Alonso Cotta², Alexander Eggeman¹; ¹University of Cambridge, ²Instituto de Física "Gleb Wataghin"-UNICAMP, ³Université Paris-Sud
- 17:45 Optical properties of silica hybrid materials/ organic doped with copper halides nanoparticles** **F.P1.7**
Raquel Riciati do Couto Vilela¹, Dario Antonio Donatti¹, Fábio Simões de Vicente¹, Dimas Roberto Vollet¹; ¹Universidade Estadual Paulista- Campus Rio Claro
- 17:45 Evaluation of polyamide 6.6 properties incorporated montmorillonite nanoclay** **F.P1.8**
Nathália de Souza Giolo¹, Sabrina Faria de Lima¹, Anderson Maia¹, Rondes Ferreira da Silva Torin¹; ¹Faculdade de Tecnologia de Mauá
- 17:45 Exploiting the azimuthal phase structure of electron vortex beams to control the excitation of surface plasmon multipoles** **F.P1.9**
Daniel Mario Ugarte^{1,2}, Caterina Ducati¹; ¹University of Cambridge, ²Instituto de Física "Gleb Wataghin"-UNICAMP
- 17:45 Composites with natural fibers continuous and aligned: evaluation of influence of the type, the volume fraction and spacing of the fibers** **F.P1.10**
Fábio Santos de Sousa^{1,2}, César Tadeu Nasser Medeiros Branco², Luciano Monteiro Almeida², Edwillson Gonçalves de Oliveira Filho^{1,2}, Jair Francisco Souza Magalhães², Ailton da Silva Nascimento², José Maria Braga Pinto², Roberto Tetsuo Fujiyama²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Pará
- 17:45 Lithium niobate Raman spectroscopy: temperature effect.** **F.P1.11**
Rurik Farias¹, Cesar Fierro-Ruiz¹, Juan Hernandez-Paz¹; ¹Universidad Autónoma de Ciudad Juárez

- 17:45 Optical absorption and emission properties of Er³⁺ ion in New Phosphate– Silicate glasses: Judd-Ofelt intensity parameters** **F.P1.12**
Victor Hugo De Oliveira¹, Zélia Maria Da Costa Ludwig¹, Valdemir Ludwig¹, Diogo Rúbio Sant'Anna¹, Frederico Girardi Knop¹, Anderson Rodrigues Teixeira¹, Célia Regina da Costa², Maria Jose Bell¹, Virgílio de Carvalho dos Anjos¹, Geraldo Silva¹; ¹Universidade Federal de Juiz de Fora, ²Escola de Artes, Ciências e Humanidades, Universidade de São Paulo
- 17:45 Studing phosphate glasses by Differential Thermal Analysis(DTA) and Differential Scan Calorimetry(DSC)** **F.P1.13**
Frederico Girardi Knop¹, Victor Hugo De Oliveira¹, Zélia Maria Da Costa Ludwig¹, Célia Regina da Costa², Valdemir Ludwig¹, Diogo Rubio Sant'Anna das Dores¹, Anderson Rodrigues Teixeira¹; ¹Universidade Federal de Juiz de Fora, ²Politecnico di Milano
- 17:45 Highly luminescent polycarbonate films doped with diaquatris(thenoyltrifluoroacetate)europate(III) complex - UV exposition effect** **F.P1.14**
Duclerc Fernandes Parra¹, Vinícius da Silva Lima¹, Maria Cláudia França da Cunha Felinto², Pedro Lima Forster¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Universidade de São Paulo
- 17:45 Photo-oxidation of modified Polypropylene nanocomposite** **F.P1.15**
Luiz Gustavo Hiroki Komatsu¹, Washington Luiz Oliani¹, Ademar Benévolo Lugão¹, Duclerc Fernandes Parra¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Microstructural characterization of traditional and modern ceramics via scanning electron microscopy** **F.P1.16**
Pâmela Sabrina Bento¹, Rosinei Batista Ribeiro, Bianca Siqueira Martins Domingos¹, Gilbert Silva², Jorge Luiz Rosa³, Brendon Willian Guedes Barbosa⁴; ¹Faculdades Integradas Teresa D'ávila, ²Universidade Federal de Itajubá, ³Escola de Engenharia de Lorena/USP, ⁴ETEC Padre Carlos Leôncio da Silva
- 17:45 Study on the effects of titanium oxide based nanomaterials as catalysts on the hydrogen sorption kinetics of magnesium hydride** **F.P1.17**
Anderson de Farias Pereira¹, Paula Mendes Jardim¹, Monique Osorio Talarico da Conceição², Dilson Silva dos Santos¹; ¹Universidade Federal do Rio de Janeiro, ²Centro Universitário de Volta Redonda
- 17:45 Time-resolved photoluminescence spectroscopy – a modular approach from Horiba scientific** **F.P1.18**
Linda Casson¹, Bridget ODonnell¹, Igor Carvalho¹, Joao Lucas Rangel¹; ¹HORIBA Scientific
- 17:45 Morphological and microstructural analysis of Pb-Co electrodeposits** **F.P1.19**
Claudia Carrasco¹, Pablo Tobosque, Marisol Maril, Carlos Camurri, Carlos Rodríguez; ¹Universidad de Concepción
- 17:45 Optical characterization of SiO₂ thin films over p-type Si wafer** **F.P1.20**
Sávio José Zaccaro¹, Rero Marques Rubinger¹, Adhimar Flávio Oliveira¹, Danilo Roque Huanca¹; ¹Universidade Federal de Itajubá
- 17:45 Synthesis of luminescent magnetic nanoparticles** **F.P1.21**
Raphael Lucas Sousa Silva¹, Alberthmeiry Teixeira de Figueiredo¹, Fermin Herrera Aragón², Máximo Siu Li³; ¹Universidade Federal de Goiás-Regional Catalão, ²Universidade de Brasília, ³Instituto de Física de Saõ Carlos - USP

- 17:45 The influence of partial capping and annealing on the morphology of InAs quantum dots grown by MOVPE on GaAs F.P1.22**
Paula Caldas¹, Hongen Xie², Rodrigo Prioli Menezes^{2,1}, Fernando A. Ponce², Luciana Dornelas³, Roberto Jakomin⁴, Maurício Pamplona Pires⁵, Patricia L Souza³; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Arizona State University, ³Laboratório de Semicondutores - CETUC/PUC-Rio, ⁴Universidade Federal do Rio de Janeiro, ⁵Instituto de Física, UFRJ
- 17:45 Photoluminescence in materials science – an affordable NIR PL solution from Horiba scientific F.P1.23**
Alex Siemiarczuk¹, Igor Carvalho¹, Joao Lucas Rangel¹; ¹HORIBA Scientific
- 17:45 Evaluation properties of the of polypropylene flame retardant compounds modified with Functional additives and Phthalo Pigment through the correlated thermal measures with their impact properties F.P1.24**
Anderson Maia¹, Marcos Akira d'Ávila¹; ¹Universidade Estadual de Campinas
- 17:45 Research on the behavior of nanoclay dispersion, and its action as a compatibilizer agent in the formation of the nanocomposite polyamide 6 / Polyethylene and nanoclay. F.P1.25**
Fernando Augusto de Oliveira¹, Lucas de Souza Ferreira¹, Anderson Maia¹, Rondes Ferreira da Silva Torin¹; ¹Faculdade de Tecnologia de Mauá
- 17:45 Focal Series Reconstruction of Bridgman grown Bismuth Telluride F.P1.26**
Karla Balzuweit¹, Thais Milagres Oliveira², Von Braun Nascimento¹, Edmar A Soares¹, Vagner Eustáquio de Carvalho¹, Luiz Orlando Ladeira¹, Braulio Soares Archanjo³, Thiago de Lourenço e Vasconcelos³, Carlos Alberto Senna³; ¹Universidade Federal de Minas Gerais, ²Electron Microscopy for Material Science - University of Antwerpen, ³Instituto Nacional de Metrologia, Qualidade e Tecnologia
- 17:45 Study of the morphology exhibited by MWCNT and Polyurethane nanocomposites using synchrotron small angle X-ray scattering F.P1.27**
Ana Pacheli Heitmann Rodrigues¹, Elisa Carvalho Castro¹, Rodrigo Lassarote Lavall¹, Iaci Miranda Pereira²; ¹Universidade Federal de Minas Gerais, ²Centro Tecnológico do Exército
- 17:45 Characterization and catalyst activity of nanoparticles of pure nickel ferrite and dispersed in a silica matrix F.P1.28**
Thairine Silva Araújo¹, Patrícia Mariana Alves Caetano¹, Adriana Silva de Albuquerque¹, Luis Eugenio Fernandez-Outon², José Domingos Ardisson¹, Waldemar Augusto de Almeida Macedo¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais
- 17:45 Synthesis of nanostructured semiconductor materials: the study of local structure and correlation with the photoluminescence of ZnS, Zn_{1-x}Cu_xS and Zn_{1-x}Mn_xS F.P1.29**
Ana Laura Curcio¹, Ariano De Giovanni Rodrigues², Alexandre Mesquita³, Maria Ines Basso Bernardi⁴; ¹Universidade Federal de São Carlos, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Universidade Estadual Paulista "Júlio de Mesquita Filho", ⁴Instituto de Física de São Carlos - Universidade de São Paulo
- 17:45 Layers decoration on FIB cross-sections using XeF₂ delineation etch F.P1.30**
Ronald Tararam¹, Saulo Jacobsen¹, Emmanuel Petitprez¹, Cristiano Krug², Artur Coelho¹, Marcelo Lubaszewski¹; ¹Centro Nacional de Tecnologia Eletrônica Avançada, ²Universidade Federal do Rio Grande do Sul

- 17:45 Ceria nanowires fabricated by electrospinning** **F.P1.31**
Renato Fernando Caron¹, Bruno M. Serafim¹, Cyro K. Saul¹, Ney Mattoso¹,
 Evaldo Ribeiro¹; ¹Universidade Federal do Paraná
- 17:45 Influence of addition of silica fume in concrete compressive resistance and its microstructure** **F.P1.32**
Hygor Andrew da Silva¹, Elton José Pereira Felix¹, Alexandre Cunha Machado¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas
- 17:45 Characterization of films formed on zinc surface by immersion in oxalic acid solutions and their effect on the corrosion resistance** **F.P1.33**
 Marcelo de oliveira¹, Isolda Costa¹, Jesualdo Luiz Rossi¹, José Mário Ferreira Júnior¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 Dynamic force scanning probe microscopy: Jumping from attractive to repulsive tip/surface interaction** **F.P1.34**
Evandro Martin Lanzoni¹, Christoph Deneke¹, Carlos Alberto Costa¹; ¹Brazilian Nanotechnology National Laboratory
- 17:45 Structural characterization and temperature effects of the nanostructured SnTe** **F.P1.35**
Zeane Vieira Borges¹, Claudio Michel Poffo¹, João Cardoso de Lima¹;
¹Universidade Federal de Santa Catarina
- 17:45 Luminescent Properties and short-range structure of Mg-doped ZnO nanoparticles** **F.P1.36**
 Rodrigo Cury de Oliveira¹, Maria Inês Basso Bernardi², Alexandre Mesquita¹;
¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Física de São Carlos - USP
- 17:45 Development of polymer matrix composites reinforced by stalk palm fiber.** **F.P1.37**
Edwillson Gonçalves de Oliveira Filho¹, Domingos Sávio Tavares Mendes Júnior², Fábio Santos de Sousa¹, Luciano Monteiro Almeida², Jair Francisco Souza Magalhães², César Tadeu Nasser Medeiros Branco², José Maria Braga Pinto¹, Ailton da Silva Nascimento², Jean Silva Rodrigues¹, Roberto Tetsuo Fujiyama²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Pará
- 17:45 Determining temperatures of relaxation processes γ , β and α of the polypropylene and polyethylene by Raman Spectroscopy** **F.P1.38**
 Durval Bertoldo Menezes^{1,2}, Andreas Reyer², Fernando Costa Basilio³, Alexandre Marletta³, Maurizio Musso²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Triângulo Mineiro, ²Universität Salzburg, ³Universidade Federal de Uberlândia
- 17:45 Fluorescence spectroscopy and UV-VIS absorption applied to water quality evaluation** **F.P1.39**
 Carolina de Sena Madureira Figueiró¹, Seila Rojas de Souza¹, Márcia Regina Russo¹; ¹Fundação Universidade Federal da Grande Dourados
- 17:45 HRTEM of Amorphous and Crystalline Bi Nanoparticles Prepared by Pulsed Laser Deposition** **F.P1.40**
L. Y. LIU¹, Y. T. Xing², D. F. Franceschini², I. G. Solórzano¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Universidade Federal Fluminense

- 17:45 Study of corrosion rate in steel AISI 1020 submitted to thermal degradation in brazilians oils** **F.P1.41**
Eliane Valéria de Barros^{1,2}, Heloisa Pinto Dias², Wanderson Romão^{1,2}, Alexandre Oliveira Gomes³, Robson Rodrigues Moura³, Gloria Maria Farias Viegas Aquije¹, Pedro Vitor Morbach Dixini^{1,2}, Debora Domingos Cavaglieri¹;
¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Universidade Federal do Espírito Santo, ³Petrobras
- 17:45 Glass and glass ceramic of niobium phosphate** **F.P1.42**
Brenno Luigi de Pastena¹, Bruno Oliveira Thomazini¹, Jorge Henrique da Silva Araújo¹; ¹Universidade Federal de Alfenas
- 17:45 Production of CeO₂ thin films by modified spray pyrolysis** **F.P1.43**
Paula Kekes Aal¹, Ana Lúcia Ferreira², Thiago Gomes da Silva¹, Edilson Silveira¹, Evaldo Ribeiro¹; ¹Universidade Federal do Paraná, ²Universidade Tecnológica Federal do Paraná
- 17:45 Assessing electronic states of InAsP/GaAs self-assembled quantum dots by photoluminescence** **F.P1.44**
Rafaela Moos¹, Igor Konieczniak¹, Graciely Elias dos Santos¹, Angelo Luiz Gobbi², Ayrton André Bernussi³, Wilson Carvalho Jr.⁴, Gilberto Medeiros Ribeiro⁵, Evaldo Ribeiro¹; ¹Universidade Federal do Paraná, ²Brazilian Nanotechnology National Laboratory, ³Texas Tech University, ⁴BR Photonics, ⁵Universidade Federal de Minas Gerais
- 17:45 Optical characterization and photoacoustic effects of the nanostructured SnTe** **F.P1.45**
Zeane Vieira Borges¹, Claudio Michel Poffo¹, João Cardoso de Lima¹;
¹Universidade Federal de Santa Catarina
- 17:45 Quartz crystal oscillators as atomic force microscopy sensors** **F.P1.46**
Felipe Ptak Lemos¹, Paula Caldas¹, Rodrigo Prioli Menezes¹; ¹Pontifícia Universidade Católica do Rio de Janeiro
- 17:45 Characterization of PtPd Bimetallic Nanoparticles through MEIS and STEM techniques** **F.P1.47**
Vagner Zeizer Carvalho Paes¹, Marcus Vinicius Castegnaro¹, Daniel Lorscheitter Baptista¹, Pedro Luis Grande¹, Jonder Moraes¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 QUATI: time-resolved XAS beamline at SIRIUS** **F.P1.48**
Santiago J. A. Figueroa¹, Daniela Coelho de Oliveira¹, Amelie Rochet¹, Junior Cintra Mauricio¹, Carlos Doro Neto¹, Anna Paula S. Levinsky¹, Harry Westfahl Jr¹; ¹Brazilian Center for Research in Energy and Materials
- 17:45 Short-range structure and photoluminescent properties of the CaTiO₃:Pr,La and SrTiO₃:Pr,La phosphors** **F.P1.49**
Guilherme Kubo Ribeiro¹, Lucas Angelini Deltreggia¹, Fábio Simões de Vicente¹, Maria Inês Basso Bernardi², Alexandre Mesquita¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Física de São Carlos - USP
- 17:45 Table top femtosecond x-ray source for time resolved x-ray diffraction experiments** **F.P1.50**
George Nicolas Kontogiorgos¹, Carlos Manuel Giles¹, Carlos William Galdino¹;
¹Instituto de Física "Gleb Wataghin"-UNICAMP

- 17:45 Development of a SAXS Equipment for the Nanomaterials Characterization** **F.P1.51**
Rauni Coelho Costa¹, José Brant de Campos¹, Jorge Luis Machado Amaral¹, Herman Pessoa Lima Júnior², Rodrigo Felix Cardoso^{1,2}; ¹Universidade do Estado do Rio de Janeiro, ²Centro Brasileiro de Pesquisas Físicas
- 17:45 High temperature stability of photocatalytic SiO₂@TiO₂ coating to self-cleaning treatments on ceramic tiles surfaces.** **F.P1.52**
Jean Mimar Santa Cruz Yabarrena¹, Vitor Pires Martinez¹, Elias Paiva Ferreira Neto¹, Ubirajara Pereira Rodrigues Filho¹, Sajjad Ullah; ¹Instituto de Química de São Carlos - Universidade de São Paulo
- 17:45 The study of concrete compressive strength exposed to high temperatures and the heat effects on its microstructure.** **F.P1.53**
Raphaell Willian Myzaell dos Santos¹, Alexandre Cunha Machado¹, Manoel Martins Filho¹, Jorge Luís Lauriano Gama¹; ¹Instituto Federal De Alagoas
- 17:45 Structural characteristics of silica gels by Light Scattering** **F.P1.54**
Bruna Patrocínio Lima¹, Dario Antonio Donatti¹, Fábio Simões de Vicente¹, Dimas Roberto Vollet¹; ¹Universidade Estadual Paulista- Campus Rio Claro
- 17:45 Study of Cadmium fixation on nanocomposite Mn₃O₄ / Fe₃O₄ used in environmental remediation.** **F.P1.55**
Ildebrando Freires de Brito¹, Isabel Souza Dinola¹, Fernando Loureiro Stavale², Gabriela Cordeiro Silva³, Ana Pacheli Heitmann Rodrigues⁴, Angela de Mello Ferreira⁵; ¹Instituto de Ensino Superior Fucapi, ²Centro Brasileiro de Pesquisas Físicas, ³Pontifícia Universidade Católica de Minas Gerais, ⁴Universidade Federal de Minas Gerais, ⁵Centro Federal de Educação Tecnológica de Minas Gerais
- 17:45 Development based on microcantilever biosensor for detection of ethanol.** **F.P1.56**
Paulo Sergio de Paula Herrmann Jr^{1,2}, Alexandre Margarido^{3,2}, Fernando M. Araujo Moreira³, Renato V. Gonçalves⁴; ¹Universidade Federal de São Carlos, ²Embrapa Instrumentação, ³Universidade Federal de São Carlos - Campus: São Carlos, ⁴Institute of Physics of São Carlos
- 17:45 Stress relaxation at temperatures well below T_g** **F.P1.57**
Rodrigo Cardoso dos Passos¹, Daniel Roberto Cassar¹, Edgar Dutra Zanotto¹; ¹Universidade Federal de São Carlos
- 17:45 Mechanical properties of polymer composites reinforced by unidirectional fibers of buçú palm** **F.P1.58**
Igor dos Santos Gomes¹, Rodolfo Franco de Moraes Pantoja¹, César Tadeu Nasser Medeiros Branco¹, Roberto Tetsuo Fujiyama¹; ¹Universidade Federal do Pará
- 17:45 Influence of the surface microchemical environment on the surface-assembling and stability of AgNPs: a large length-scale assessment** **F.P1.59**
Francisco de Assis Sousa¹, Victor Teixeira Noronha¹, Amauri Jardim de Paula¹, Antonio Gomes Souza Filho¹, Cristiane A Silva², Francisco Afrânio Cunha¹, Pierre Basílio Almeida Fachine¹, Terezinha Feitosa Machado³; ¹Universidade Federal do Ceará, ²Brazilian Nanotechnology National Laboratory, ³Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Physico-chemical and mineralogical characterization of fiber-cement materials for construction industry in Colombia** **F.P1.60**
Martin Eduardo Espitia¹, Andrés Mauricio Muñoz Garcia², Henry Yesid Bustos¹, Adriana Blandon¹, Edgar Monroy¹, Fredy Niño¹; ¹Corporación Universitaria Minuto de Dios, ²Instituto Tecnológico Metropolitano

- 17:45 Potential application of nickel and cobalt ferrites in amoxicillin adsorption** **F.P1.61**
Patrícia Mariana Alves Caetano¹, Thairine Silva Araújo¹, Paula Sevenini Pinto²,
 Adriana Silva de Albuquerque¹, Luis Eugenio Fernandez-Outon², Waldemar
 Augusto de Almeida Macedo¹, José Domingos Ardisson¹; ¹Centro de
 Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas
 Gerais
- 17:45 Morphology, surface potential and defects formation in ZnO nanostructures grown under different pressure conditions** **F.P1.62**
Bruno Caldas Coelho¹, Rafael Vieira Perrella¹, Jefferson Luis Ferrari¹, Thalita
 Chiaramonte¹; ¹Universidade Federal de São João del-Rei
- 17:45 Microtubes TiO₂ photocatalytic produced by the technique of Solution Blow Spinning** **F.P1.63**
Tiago Cesar Gimenes¹, Fernando Rogério de Paula¹, Edna Regina Spada²;
¹Universidade Estadual Paulista, Campus de Ilha Solteira, ²Universidade de São
 Paulo
- 17:45 The Coherent X-ray Nanoprobe Beamline (CARNAUBA) for the Sirius storage ring: an X-ray microscope** **F.P1.64**
Hélio C. N. Tolentino¹, Márcio Medeiros Soares¹, Carlos Alberto Pérez¹, Flavio
 Cesar Vicentin¹, Douglas Galante¹, Veronica de Carvalho Teixeira¹, Dalton
 Abdala¹, Harry Westfahl Jr¹; ¹Laboratório Nacional de Luz Síncrotron
- 17:45 Graphene-assisted formation of ordered platinum patterns by self-assembly on SiO₂ substrate** **F.P1.65**
Ana Carolina Ribeiro Figueiredo¹, Y. T. Xing¹, Dante Ferreira Franceschini
 Filho¹; ¹Universidade Federal Fluminense
- 17:45 Scanning electron microscopy characterization of 2G HTS type** **F.P1.66**
Lia Souza Coelho¹, Antonio Renato Bigansolli¹, Durval Rodrigues Jr.²;
¹Universidade Federal Rural do Rio de Janeiro, ²Universidade de São Paulo -
 Escola Engenharia Lorena
- 17:45 Characterization and properties of ballistic materials for body armor systems** **F.P1.67**
Iaci Miranda Pereira¹, Viviane Vivas¹; ¹Centro Tecnológico do Exército
- 17:45 Photocatalytic and bactericidal potentials of Ag nanoparticles on Ag₃PO₄** **F.P1.68**
Leandro Silva Matos¹, Gleice Botelho¹, Wyllamanny da Silva Pereira¹, Elson
 Longo²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Instituto
 de Química de Araraquara/UNESP
- 17:45 Determining glass transition temperature of the polystyrene by Raman spectroscopy** **F.P1.69**
 Durval Bertoldo Menezes^{1,2}, Andreas Reyer², Paulo Alliprandini Filho³,
 Maurizio Musso²; ¹Instituto Federal de Educação, Ciência e Tecnologia do
 Triângulo Mineiro, ²Universität Salzburg, ³Universidade Federal dos Vales do
 Jequitinhonha E Mucuri
- 17:45 Nanogels of the polypropylene modified by gamma irradiation and incorporation of AgNPs biocide** **F.P1.70**
Washington Luiz Oliani¹, Luiz Gustavo Hiroki Komatsu¹, Ademar Benévolo
 Lugão¹, Duclerc Fernandes Parra¹; ¹Instituto de Pesquisas Energéticas e
 Nucleares
- 17:45 Mesocrystals Luminescent BaZrHfO₃ Synthesized Via Hydrothermal Process Assisted by Microwave** **F.P1.71**
Rafael Uarth Fassbender

- 17:45 Electron Backscattering Diffraction analysis Direct Metal Laser Sintering Stainless Steel F.P1.72**
C. Labre¹, A. L. Pinto², I. G. Solórzano¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Centro Brasileiro de Pesquisas Físicas
- 17:45 Concrete microstructure study with emphasis on interfacial transition zone F.P1.73**
Maryanna Nobre Cavalcante¹, Rodrigo Mero Sarmiento da Silva¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas
- 17:45 Computational determination of silver nanowires morphology from electron microscopy images F.P1.74**
Cristiano Jaeger Stradolini¹, Sandro Fernandes Firmino¹, Gabriela Pasa Panesso¹, Raquel Silva Thomaz¹, Pedro Migowski¹, Ana Maria Marques¹, Adriano F. Feil¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Crystalline zinc oxide thin films deposited on glass substrates at low temperatures F.P1.75**
Jose Ulian Cardoso Almeida¹, Alex Vinicius Souza Araújo¹, Marcelo Bento Pisani¹; ¹Universidade Estadual de Santa Cruz

SYMPOSIUM G - Applications of Neutrons to Materials Research

Symposium organizers:

Eduardo Granado (*IFGW-UNICAMP*)
Elisa Baggio-Saitovitch (*CBPF*)
Cristiano Luis Pinto de Oliveira (*IF-USP*)
Paulo F. P. Fichtner (*UFRGS*)

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION G.OR1 (09:45 - 10:45) - Room Jacarandá

- 09:45 Working with the world's biggest microscope** **G.OR1.1***
Heloisa N. Bordallo^{1,2}; ¹University of Copenhagen / Københavns Universitet,
²European Spallation Source ERIC
- 10:15 Neutron Studies of the Magnetic Properties of Superconductors** **G.OR1.2***
Jeffrey W Lynn¹; ¹National Institute of Standards and Technology

SESSION G.OR2 (11:15 - 12:00) - Room Jacarandá

- 11:15 RMB: the new brazilian multipurpose research reactor** **G.OR2.3***
Jose Augusto Perrotta¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 11:45 Quasi-elastic and Inelastic Neutron Scattering: Revealing confined liquid dynamics in dental cements**
Marcella Cabrera Berg¹, Heloisa N. Bordallo, Ana Raquel Benetti; ¹University of Copenhagen / Københavns Universitet

SESSION G.OR3 (14:00 - 16:15) - Room Jacarandá

- 14:00 The European Spallation Source: A Source for Discovery** **G.OR3.5***
Dimitri Argyriou¹; ¹European Spallation Source ERIC
- 14:30 Modeling a State of the Art Neutron User Program at the Brazilian Multipurpose Reactor (RMB)** **G.OR3.6***
Juscelino B. Leão¹; ¹National Institute of Standards and Technology
- 15:00 Neutron Imaging – an advanced neutron scattering tool with real space resolution** **G.OR3.7**
Markus Strobl¹; ¹University of Copenhagen / Københavns Universitet
- 15:15 Neutron tomography at IPEN-CNEN/SP: images and applications** **G.OR3.8***
Reynaldo Pugliesi¹, Marco Antonio Stanojev Pereira¹, Marcos Leandro Garcia Andrade¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 15:45 TEM Studies of Ion Irradiated Materials Using the MIAMI* Facility at the University of Huddersfield** **G.OR3.9***
Steve Donnelly¹, J. A. Hinks¹, G. Greaves¹; ¹University of Huddersfield

Poster presentations

SESSION G.P1 (17:45 - 19:30)

- 17:45 Spin Dynamics and Correlations in the quasi-FCC Frustrated Antiferromagnetic Sr₂YRuO₆ G.P1.1**
Eduardo Granado¹, Steven M. Disseler², Jeffrey W. Lynn², Renato F. Jardim³, Milton S. Torikachvili⁴; ¹Universidade Estadual de Campinas, ²National Institute of Standards and Technology, ³Instituto de Física da Universidade de São Paulo, ⁴San Diego State University
- 17:45 Influence of a noble gas layer for enhancing precipitation coarsening induced by irradiation in an austenitic stainless steel for nuclear applications G.P1.3**
Ítalo Martins Oyarzabal¹, Mariana de Mello Timm¹, Willian Martins Pasini¹, Franciele Silva Mendes de Oliveira¹, Francine Tatsch¹, Livio Amaral¹, F. C. Zawislak¹, Paulo F. P. Fichtner¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Effect of electric field in the characterization of pultruded GFRP boron-free composite insulator for the extra high voltage by the ionizing radiation G.P1.4**
Hissae Fujiwara¹, Gustavo José Vasconcelos Xavier², Edmilson José Silva Júnior¹, Armando Hideki Shinohara¹, Edson Guedes Costa³, Henrique Batista Duffles Teixeira Lott Neto⁴, Paulo Roberto Ranzan Britto⁴, Márcio A. B. Fontan⁴; ¹Universidade Federal de Pernambuco, ²Aposentado pela CHESF, ³Universidade Federal de Campina Grande, ⁴Sistema de Transmissão do Nordeste SA
- 17:45 Changes of confinement of intracellular water lead to changes of thermal properties of cancer cells G.P1.5**
Murillo Longo Martins¹, Alexander B. Dinitzen¹, Rasmus Hartmann-Petersen¹, Svemir Rudic², Heloisa N. Bordallo¹; ¹University of Copenhagen / Københavns Universitet, ²ISIS Facility
- 17:45 Structural and magnetic properties of Ca₂MnReO₆ as a function of temperature: High intensity and High resolution measurements. G.P1.6**
MARCOS TADEU D ORLANDO ORLANDO¹, Eduardo Granado², Arthur Sant'Ana Cavichini¹, Janaina Bastos Depianti¹, Jose Luis Passamai Jr¹; ¹Universidade Federal do Espírito Santo, ²Universidade Estadual de Campinas
- 17:45 Gamma and Neutron Detection of Un-doped and Doped (Eu, Dy, B) Calcium Silicate Polycrystal G.P1.7**
Carlos David Gonzales Lorenzo¹, Shiguo Watanabe¹, Roseli Fernandes Gennari¹, Camen Cecilia Bueno², Nilo Francisco Cano³; ¹Instituto de Física-USP, ²Instituto de Pesquisas Energéticas e Nucleares, ³UNIVERSIDADE FEDERAL DE SÃO PAULO - Campus Baixada Santista

SYMPOSIUM H - From atomistic to multiscale modeling: new developments and applications in Materials Science

Symposium organizers:

Alexandre Fontes da Fonseca (*Unicamp*)

Marília J. Caldas (*USP*)

Pedro Venezuela (*UFF*)

Paulo Cesar Piquini (*UFESM*)

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION H.OR1 (09:45 - 10:45) - Room Seringueira

- 09:45 The physics of excess electrons at the interface of complex oxides** **H.OR1.1***
Anderson Janotti¹; ¹University of Delaware
- 10:15 The role of metallic contacts in the degradation of TlBr Radiation Detectors** **H.OR1.2**
Cedric Rocha Leão¹; ¹Universidade Federal do ABC
- 10:30 Theoretical investigation of the hydrated Na-montmorillonite structure and its dehydration process** **H.OR1.3**
Carla Grijó Fonseca¹, Viviane da Silva Vaiss¹, Fernando Wypych², Renata Diniz¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora, ²Universidade Federal do Paraná

SESSION H.OR2 (11:15 - 12:00) - Room Seringueira

- 11:15 Multiferroic order and phase transitions in two-dimensional materials** **H.OR2.4***
Leandro Seixas Rocha^{1,2}, Aleksandr S. Rodin², Alexandra Carvalho², Antonio Helio Neto²; ¹Universidade Presbiteriana Mackenzie, ²National University of Singapore
- 11:45 MaX - MAterials design at the eXascale: a European centre of excellence** **H.OR2.5**
Andrea Ferretti¹; ¹CNR-Nano

SESSION H.OR3 (14:00 - 16:15) - Room Seringueira

- 14:00 Progress and challenges in the Flatland beyond graphene** **H.OR3.6***
Roberto Rivelino¹; ¹Universidade Federal da Bahia
- 14:30 Conformational Study of the Interaction between the Sulfate and the Graphene Sheets** **H.OR3.7**
João Paulo Almeida de Mendonça¹, Alessandro Henrique de Lima¹, Georgia Maria Amaral Junqueira¹, Welber Gianini Quirino¹, Maikel Yusat Ballester Furones¹, Fernando Sato¹; ¹Universidade Federal de Juiz de Fora
- 14:45 Molecular dynamics of xylan-cellulose interactions** **H.OR3.8**
Caroline Simoes Pereira¹, Rodrigo Leandro Silveira¹, Munir Salomao Skaf¹; ¹Institute of Chemistry-UNICAMP
- 15:00 Thermodynamics of crystalline cellulose aggregation** **H.OR3.9**
Rodrigo Leandro Silveira¹, Munir Salomao Skaf¹; ¹Institute of Chemistry-UNICAMP
- 15:15 Molecular dynamics simulations of functionalized nanoparticles in aqueous solutions** **H.OR3.10**
Oscar Samuel Cajahuaranga Macollunco¹, Caetano Rodrigues Miranda¹; ¹Instituto de Física-USP

- 15:30 Nanomechanotaxis: Curvature Driven Motion at Nanoscale** **H.OR3.11**
Leonardo Dantas Machado¹, Nicola Pugno², Davide Bigoni², Francesco Dal Corso², Douglas Soares Galvão³; ¹Universidade Federal do Rio Grande do Norte, ²Università degli Studi di Trento, ³Instituto de Física Gleb Wataghin - UNICAMP
- 15:45 Parallel Green's functions molecular dynamics for materials science simulations** **H.OR3.12**
Fábio Andrijauskas¹, Vitor Rafael Coluci¹; ¹School of Technology, UNICAMP, Limeira-SP, Brazil
- 16:00 Modelling of the Irradiation of a Nanoporous Iron Target** **H.OR3.13**
Lucio Flavio dos Santos Rosa¹, Roger Webb; ¹University of Surrey

Poster presentations

SESSION H.P1 (17:45 - 19:30)

- 17:45 Ab Initio Study of Layered Double Hydroxides Containing Iron and Its Potential Use as Fertilizer** **H.P1.1**
Pedro Ivo Rodrigues Moraes¹, Sergio Rodrigues Tavares¹, Viviane da Silva Vaiss¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Density Functional Theory calculations and comparison of Gemfibrozil dimer structure with experimental single-crystal X-ray results.** **H.P1.2**
Aguinaldo Robinson de Souza¹, Gilbert Bannach¹, Bruno Barreto da Cunha Holanda¹; ¹Faculdade de Ciências/Bauru
- 17:45 Comparison of two structural models of zeolite A by ab initio calculations** **H.P1.3**
Viviane da Silva Vaiss¹, Florence Pereira Novais Antunes¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Characterization of miltefosine-loaded pluronic F127 polymeric micelles** **H.P1.4**
Johanna Valenzuela Osés¹, Valker Araujo Feitosa¹, Mónica Cristina García², Carlota Oliveira Rangel Yagui¹; ¹Universidade de São Paulo, ²Universidad Nacional de Cordoba
- 17:45 Ab initio simulations of the intercalation of iron(III) porphyrinates in Zn₂Al-LDH and LHS containing zinc: evaluation of their basic and acid sites.** **H.P1.5**
Sergio Rodrigues Tavares¹, Alexandre Amaral Leitão¹, Fernando Wypych²; ¹Universidade Federal de Juiz de Fora, ²Universidade Federal do Paraná
- 17:45 DFT investigation of the intercalation of dodecyl sulfate (DDS) and dodecylbenzene sulfonate (DBS) in layered zinc hydroxide salts (LHS) and Zn-Al layered double hydroxides (LDH).** **H.P1.6**
Sergio Rodrigues Tavares¹, Alexandre Amaral Leitão¹, Fernando Wypych²; ¹Universidade Federal de Juiz de Fora, ²Universidade Federal do Paraná
- 17:45 Theoretical and computational study of materials in the shallow layer by geophysical methods, support for safe construction in Colombia and monitoring of housing** **H.P1.7**
Andrés Mauricio Muñoz Garcia¹, Martin Eduardo Espitia¹, Henry Yesid Bustos¹, Edgar Monrroy¹; ¹Corporación Universitaria Minuto de Dios
- 17:45 Model based process window for FSW of AA7075-T6** **H.P1.8**
Elizabeth Hoyos¹, Diana María López², Juan Jose Toro², Yesid Montoya¹; ¹Universidad EIA, ²Universidad Nacional de Colombia

- 17:45 Elaboration and Structural Study of hydrotalcite-like Compounds with interlayer phosphate anion** **H.P1.9**
Juliana Fischer Haddad¹, Pedro Ivo Rodrigues Moraes¹, Sergio Rodrigues Tavares¹, Florence Pereira Novais Antunes¹, Gustavo Senra Gonçalves de Carvalho¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Numerical and experimental thermal analysis of an aluminum alloy solidified in unidimensional upward device** **H.P1.10**
Gianfranco de Mello Stieven¹, Daniele dos Reis Soares¹, Edilma Pereira Oliveira², Erb Ferreira Lins¹; ¹Universidade Federal do Pará, ²Universidade Federal do Sul e Sudeste do Pará
- 17:45 Mechanical and thermal stability of α , β , and δ graphyne nanoscrolls** **H.P1.11**
Daniel Alejandro Solis¹, Cristiano Francisco Woellner¹, Daiane Damasceno Borges¹, Douglas Soares Galvão¹; ¹Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Negative Thermal Expansion of Graphynes and Graphdiynes** **H.P1.12**
Sergio Andres Hernandez¹, Alexandre Fontes da Fonseca¹; ¹Universidade Estadual de Campinas
- 17:45 Experimental (FTIR) and DFT Study on (1:1) Cocrystal of gemfibrozil with some cofomers.** **H.P1.13**
Aguinaldo Robinson de Souza¹, Gilbert Bannach¹, Bruno Barreto da Cunha Holanda²; ¹Faculdade de Ciências/Bauru, ²Science and Technology of Materials
- 17:45 Theoretical Evaluation of Excited-State Optical Absorption of Conjugated Oligomers and Polymers** **H.P1.14**
Eliézer Fernando Oliveira¹, Begoña Milián-Medina², Francisco Carlos Lavarda¹, Johannes Gierschner³; ¹Faculdade de Ciências/Bauru, ²University of Valencia, ³Institute for Advanced Studies in Nanoscience
- 17:45 Ab initio calculations of the physicochemical properties of the compound montmorillonite (MMT)** **H.P1.15**
Camila Raiane Ferreira¹, Sandra Helena Pulcinelli¹, Pablo D. Borges², Celso Valentim Santilli¹; ¹Instituto de Química de Araraquara/UNESP, ²Fundação Universidade Federal de Viçosa
- 17:45 The Role of the Alkali Metals on the Formation of Layered Chalcogenides Structures: The Example of Quaternary $A_2M^II M^IV_3Q_8$ Compounds** **H.P1.16**
Rafael Besse¹, Juarez L. F. Da Silva²; ¹Instituto de Física de São Carlos, ²Instituto de Química de São Carlos
- 17:45 Computational screening method for forecasting the efficiencies of polymer solar cells** **H.P1.17**
Cristiano Zanlorenzi¹, Gabriela Martinez², Leni Akcelrud², Roberto Mendonça Faria³; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade Federal do Paraná, ³Universidade de São Paulo
- 17:45 PbSe as a topological crystalline insulator** **H.P1.18**
Ernesto Osvaldo Wrasse¹, Augusto Lelis Araujo², Tomé Mauro Schmidt², Gerson Ferreira Junior²; ¹Universidade Tecnológica Federal do Paraná, ²Universidade Federal de Uberlândia
- 17:45 Illustrative implementation of Langevin dynamics in the isothermal-isobaric ensemble** **H.P1.19**
Oscar Samuel Cajahuaringa Macollunco¹, Alex Antonelli²; ¹Instituto de Física-USP, ²Instituto de Física "Gleb Wataghin"

- 17:45 Theoretical study of TiO₂ doped for use in photocatalysis: optical absorption and band gap calculations using density functional theory** **H.P1.20**
Greice Kelly dos Santos Brito¹, Paulo José Pereira de Oliveira¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo/Campus Cachoeiro
- 17:45 Theoretical study of the properties of molybdenite and graphite with different functional applications: structural, elastic, energetic, thermodynamic and vibrational analyses** **H.P1.21**
Florence Pereira Novais Antunes¹, Sergio Rodrigues Tavares¹, Viviane da Silva Vaiss¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Comparative Theoretical and Experimental Study of the polymorphs of NaNbO₃.** **H.P1.22**
Bruna Nádia Neves da Silva¹, Florence Pereira Novais Antunes¹, Gustavo Senra Gonçalves de Carvalho¹, Maurício Antonio Pereira da Silva¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Local environment structure and dynamics of CO₂ in the ionic liquid 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide** **H.P1.23**
Tuanan da Costa Lourenço¹, Luciano Tavares da Costa¹, Gabriela de Carvalho Costa¹; ¹Universidade Federal Fluminense
- 17:45 Theoretical study of metal-organic framework IRMOF-1 and molecules from industrial gas stream** **H.P1.24**
 Gabriela de Carvalho Costa¹, Tuanan da Costa Lourenço¹, Luciano Tavares da Costa¹; ¹Universidade Federal Fluminense
- 17:45 Structure and Dynamics of Poly(urethane-urea) from Molecular Dynamics Simulations** **H.P1.25**
Flávia Cristina Assis Silva¹, Rodrigo Azevedo Reis¹, Luciano Tavares da Costa²; ¹Universidade do Estado do Rio de Janeiro, ²Universidade Federal Fluminense
- 17:45 DFT studies of tetracationic 5,10,15,20-tetrakis(1-methyl4-pyridyl)-21H,23H porphyrin** **H.P1.26**
Eduardo Diaz Suarez¹, Danilo Castro Pereira², Filipe Camargo Dalmatti Alves Lima¹, Vera Regina Leopoldo Constantino², Helena Maria Petrilli¹; ¹Instituto de Física-USP, ²Instituto de Química - USP
- 17:45 Thermal properties of graphene oxide/boron nitride composites** **H.P1.27**
Marcelo Augusto Ferreira¹, Cristiano Francisco Woellner¹, Pedro Alves da Silva Autreto², Douglas Soares Galvão¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Universidade Federal do ABC
- 17:45 Free Energy of Solvation of Carbon Nanotubes in the Pyridinium-Based Ionic Liquids** **H.P1.28**
Eudes Eterno Fileti¹, Vitaly V. Chaban¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Hexagonal array of nickel nanotubes: static and dynamic analysis as a function of geometric parameters** **H.P1.29**
 jandrews lins gomes¹, Yuset Guerra Dávila¹, Ramón Raudel Peña Garcia¹, Ariel Delgado del Toro¹, Frederico Alves Revoredo Júnior¹, Ialy Fernanda Gonzaga Martins¹, Eduardo Padrón Hernández¹; ¹Universidade Federal de Pernambuco

- 17:45 Molecular modeling and electrochemical investigation of the sulfamethazine oxidation mechanism on electrode based on reduced graphene and gold nanoparticles** **H.P1.30**
 Ivana Cesarino¹, Rafael Plana Simões¹, Francisco Carlos Lavarda², Augusto Batagin Neto³; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Faculdade de Ciências/Bauru, ³Universidade Estadual Paulista - Campus Itapeva
- 17:45 Phosphate ester hydrolysis by nucleophilic catalysis: Looking for a hydroxylamine based Catalyst** **H.P1.31**
Elizabeth Luciana Marinho Miguel¹, Josefredo Rodriguez Pliego¹; ¹Universidade Federal de São João del-Rei
- 17:45 Effect of intertube interactions on the impact response of helical carbon nanotubes forests** **H.P1.32**
Vanessa Cadan Scheffer¹, Vitor Rafael Coluci¹; ¹Universidade Estadual de Campinas
- 17:45 Analytical and numerical analysis of composites reinforced by unidirectional fibers** **H.P1.33**
César Tadeu Nasser Medeiros Branco¹, Ailton da Silva Nascimento¹, Edwillson Gonçalves de Oliveira Filho^{2,1}, Fábio Santos de Sousa^{2,1}, Jair Francisco Souza Magalhães¹, José Maria Braga Pinto¹, Luciano Monteiro Almeida¹, Roberto Tetsuo Fujiyama¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Electronic structure of diblock oligomers with π -bridges for solar cell applications** **H.P1.34**
 Gabriel Gomes Baltazar Alves¹, Eliézer Fernando Oliveira², Francisco Carlos Lavarda¹; ¹Faculdade de Ciências/Bauru, ²Universidade Estadual Paulista - Campus Bauru
- 17:45 The role of exchange interaction in 2D ordered arrays of cobalt hollow-spheres** **H.P1.35**
Yuset Guerra Dávila¹, Jandrews Lins Gomes¹, Ramón Raudel Peña Garcia¹, Ariel Delgado del Toro¹, Frederico Alves Revoredo Júnior¹, Ialy Fernanda Gonzaga Martins¹, Lidice Aparecida Gonçalves², Eduardo Padrón Hernández¹; ¹Universidade Federal de Pernambuco, ²Instituto Federal de Educação, Ciência e Tecnologia de Pernambuco
- 17:45 Modulating the electronic properties of bismuth vanadate for application in photoelectrochemical cells** **H.P1.36**
Enésio Marinho da Silva Jr¹, Cedric Rocha Leão¹; ¹Universidade Federal do ABC
- 17:45 Computational study of field enhancement factor for a carbon nanotubes capped arrays** **H.P1.37**
Mauro Vanderlei Amorim¹, Fernando Fuzinato Dall'Agnol²; ¹Instituto Federal de São Paulo, ²Universidade Federal de Santa Catarina
- 17:45 Computational Study of PH₃ and CO Adsorption on the Ga₁₂As₁₂ Nanocluster** **H.P1.38**
Carine Ribeiro dos Santos¹, Arlan da Silva Gonçalves¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo
- 17:45 Study of the interactions between antibacterial peptides and lipid membranes: a computational investigation** **H.P1.39**
Felipe de Oliveira Outi¹; ¹Universidade Federal de São Paulo

- 17:45 Dynamics of Water Nanodroplets Impacting on Graphene: A Molecular Dynamics Study** H.P1.40
Ygor Morais Jaques¹, Gustavo Brunetto², Douglas Soares Galvão²;
¹Universidade Estadual de Campinas, ²Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Extending the internally-consistent hybrid functional to oxygen-containing systems** H.P1.41
Marília J. Caldas¹, Tales José da Silva¹; ¹Instituto de Física da Universidade de São Paulo
- 17:45 Structural, Morphological and Textural Characterization of Silica and Niobia/Silica Xerogels obtained by Sol-Gel Process** H.P1.42
Cíntia Rodrigues Coelho¹, Gustavo Henrique de Magalhães Gomes¹, Luiz Fernando de Sousa Lima¹, Nelcy D. S. Mohallem¹; ¹Universidade Federal de Minas Gerais
- 17:45 Strain effects on Porous Nanotubes** H.P1.43
Guilherme da Silva Lopes Fabris¹, Chad Junkermeier², Ricardo Paupitz Barbosa dos Santos³; ¹Universidade Estadual Paulista - Campus Bauru, ²The Pennsylvania State University, ³Universidade Estadual Paulista- Campus Rio Claro

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION H.OR4 (08:30 - 10:15) - Room Seringueira

- 08:30 Structural, Electronic, and Optical properties of Graphene Nanoribbons on Gold substrates: Insights from Ab-Initio Calculations** H.OR4.14*
Andrea Ferretti¹, Shudong Wang¹, Claudia Cardoso¹, Deborah Prezzi¹, Alice Ruini^{2,1}, Elisa Molinari^{2,1}; ¹CNR-Nano, ²University of Modena and Reggio Emilia
- 09:00 Origin of and tuning the optical and fundamental band gaps in transparent conducting oxides: The case of M₂O₃ (M = Al, Ga, In)** H.OR4.15
Fernando Pereira Sabino¹, Rafael Besse¹, Luiz Nunes de Oliveira¹, Su-Huai Wei², Juarez L. F. Da Silva³; ¹São Carlos Institute of Physics, ²Beijing Computational Science Research Center, ³São Carlos Institute of Chemistry
- 09:15 Ab initio study of the nanocomposite MoS₂-PVA: structural, electronic and vibrational analyses.** H.OR4.16
Florence Pereira Novais Antunes¹, Sergio Rodrigues Tavares¹, Fernando Wypych², Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora, ²Universidade Federal do Paraná
- 09:30 Modeling Form Factors and Structure factors on Small Angle Scattering: revealing structure and organization of nanostructures** H.OR4.17
Cristiano Luís Pinto de Oliveira¹; ¹Instituto de Física-USP

- 09:45 Theoretical and computational study of the anisotropy in the Colombian subsurface H.OR4.18**
Andrés Mauricio Muñoz Garcia¹, Julio Muñoz¹, Luis Alfredo Montes Vides²;
¹Instituto Tecnológico Metropolitano, ²Universidad Nacional de Colombia
- 10:00 Computational Design of Novel Nanostructures on the Basis of P₄-Derivatives of Metalloporphyrins H.OR4.19**
Aleksey E Kuznetsov¹; ¹Universidade Federal de São Carlos - Campus: São Carlos

SYMPOSIUM I - Surface Science: fundamentals and models

Symposium organizers:

Abner de Siervo (*IFGW - UNICAMP*)

Edmar A. Soares (*DF-ICEx UFMG*)

Fernando Stavale (*CBPF*)

Pedro Augusto de Paula Nascente (*DEMA-UFSCar*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION I.OR1 (09:45 - 10:45) - Room Carvalho III

- 09:45 Scanning tunneling microscopy studies of porphyrins as prototype functional molecules: from supramolecular aggregates over surface mediated reactions to the energy to switch an individual molecule** **I.OR1.1***
Hubertus Marbach¹; ¹University of Erlangen-Nürnberg
- 10:15 Structural and electronic transformations in Bi₂Se₃/Bi₄Se₅ observed by Scanning Tunneling Microscopy and X-Ray Diffraction** **I.OR1.2**
Pedro Rezende Gonçalves¹, Thaís Chagas Peixoto Silva¹, Angelo Malachias de Souza¹, Mário Sérgio de Carvalho Mazzoni¹, Rogério Magalhaes Paniago¹;
¹Universidade Federal de Minas Gerais
- 10:30 Non-collinear magnetic coupling revealed by spin polarized scanning tunneling microscopy** **I.OR1.3**
Rafael Lopes de Souza¹, Maximiliano Delany Martins¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear

SESSION I.OR2 (11:15 - 12:00) - Room Carvalho III

- 11:15 Hydrophilic selectivity towards the clay surfaces: Noncontact AFM first principles study** **I.OR2.4**
Raphael da Silva Alvim^{1,2}, Caetano Rodrigues Miranda^{1,2}; ¹Universidade de São Paulo, ²Universidade Federal do ABC
- 11:30 Dynamics of Biphenylene Carbon (Graphenylene) Hydrogenation** **I.OR2.5**
Vinicius de Oliveira Splugues¹, Pedro Alves da Silva Autreto², Douglas Soares Galvão¹; ¹Universidade Estadual de Campinas, ²Universidade Federal do ABC
- 11:45 Growth of metal linear atomic chains on NiAl surfaces** **I.OR2.6**
Bruno Fedosse Zornio¹, Edison Zacarias da Silva², Miguel A. San-Miguel¹;
¹Instituto de Química - UNICAMP, ²Instituto de Física "Gleb Wataghin" - UNICAMP

SESSION I.OR3 (14:00 - 16:15) - Room Carvalho III

- 14:15 Electronic and Chemical nano-imaging of wonder materials beyond graphene** **I.OR3.7***
Maria C. Asensio^{1,2}; ¹Synchrotron SOLEIL, ²Université Paris Saclay
- 14:45 Black phosphorus surface chemistry probed by APXPS** **I.OR3.8**
Tulio Rocha¹, Gabriel Pereira Freitas^{1,2}, Wendell Simões Silva¹, Fernando Stavale³; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Instituto de Física Gleb Wataghin - UNICAMP, ³Centro Brasileiro de Pesquisas Físicas

- 15:00 Ultra-Thin Films of Au Deposited on Pd(111) Characterized by X-ray Photoelectron Diffraction I.OR3.10**
Alexandre Pancotti¹, Abner de Siervo², Pedro A. P. Nascente³, Richard Landers⁴; ¹Universidade Federal de Goiás, ²Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas, ³Universidade Federal de São Carlos - Campus: São Carlos, ⁴Instituto de Física "Gleb Wataghin" - UNICAMP
- 15:15 Theoretical investigation of the metallic bismuth growth on the semiconductor surfaces stimulated by electron beam. I.OR3.11**
Carlos Eduardo Silva¹, Juan Andrés², Elson Longo³, Edison Zacarias da Silva⁴, Miguel A. San-Miguel¹; ¹Instituto de Química - UNICAMP, ²Universitat Jaume I, ³Instituto de Química de Araraquara/UNESP, ⁴Instituto de Física Gleb Wataghin - UNICAMP
- 15:30 Direct evidence of partially relaxed strain states in epitaxial InAs:GaAs(001) islands using transmission electron microscopy on nanomembranes I.OR3.12**
Bárbara Rosa¹, Lucas Atila Bernardes Marçal¹, Rodrigo Ribeiro Andrade², Luciana Dornelas^{3,4}, Christoph Deneke⁵, Wagner Nunes Rodrigues^{6,2}, Ricardo Wagner Nunes¹, Patrícia Lustoza Souza^{3,4}, Maurício Pamplona Pires^{7,3,4}, Angelo Malachias¹; ¹Universidade Federal de Minas Gerais, ²Centro de Microscopia da UFMG, ³Instituto Nacional de Ciência e Tecnologia de Nanodispositivos Semicondutores, ⁴Laboratório de Semicondutores - CETUC/PUC-Rio, ⁵Laboratório Nacional de Luz Síncrotron, ⁶Universidade Federal De Minas Gerais, ⁷Instituto de Física, UFRJ
- 15:45 X-Ray Spectroscopy and Electronic Structure of Transition Metal Compounds I.OR3.13***
Rodrigo José Mossaneck¹, Miguel Abbate¹, Eduardo Bonini Guedes¹, Viviane Stoeberl¹; ¹Universidade Federal do Paraná

Poster presentations

SESSION I.P1 (17:45 - 19:30)

- 17:45 Surface Characterization of an Ultra-Thin Film of Nb_xO_y Formed on Nb(100) I.P1.1**
Dener P. Santos¹, Ana Carolina S. A. Rezende¹, Abner de Siervo², Alexandre Pancotti¹, Pedro A. P. Nascente³; ¹Universidade Federal de Goiás, ²Universidade Estadual de Campinas, ³Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Iron growth and intercalation on CVD graphene on Ir(111) I.P1.2**
Rodrigo César de Campos Ferreira¹, Luis Henrique de Lima², Lucas Barreto³, Abner de Siervo¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Universität Zürich, ³Universidade Federal do ABC
- 17:45 Calibration of the homemade UHV-STM at Labnano/CDTN I.P1.3**
Ulisses Saraiva de Oliveira¹, Gabriel Vieira Maia¹, Rafael Lopes de Souza¹, Maximiliano Delany Martins¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Surface of biopolymer thin films by layer-by-layer assembly: fractal dimension I.P1.4**
Marcelle Bruna de Mendonça Spera¹, Marisa Masumi Beppu¹, Thiago Bezerra Taketa¹; ¹Universidade Estadual de Campinas

- 17:45 Study of the metal-organic frameworks (MOFs): chemical structure, properties and applications** **I.P1.5**
Aline Geice Vitor Silva¹, Wander Luiz Vasconcelos¹, Daniela Cordeiro Leite Vasconcelos¹; ¹Universidade Federal de Minas Gerais
- 17:45 Properties of thin films deposited by PIII&D and Reactive Sputtering from aluminum acetylacetonate** **I.P1.6**
Felipe Darriba Battaglin¹, Rafael Parra Ribeiro¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Influence of experimental parameters on the structural properties of TiO₂ films grown electrochemically** **I.P1.7**
Amanda Santos de Lima¹, Anna Paulla Simon¹, Mariana de Souza Sikora¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Photocatalytic activity of TiO₂ doped with N obtained by microwave-assisted hydrothermal** **I.P1.8**
Gabriela Byzynski Soares¹, Diogo Paschoalini Volanti², Cauê Ribeiro Oliveira³, Elson Longo⁴; ¹Instituto de Química de Araraquara/UNESP, ²Universidade Estadual Paulista "Júlio de Mesquita Filho", ³Empresa Brasileira de Pesquisa Agropecuária, ⁴UNESP-Araraquara
- 17:45 Photocatalytic activity of α -Fe₂O₃@TiO₂ composite obtained by microwave-assisted hydrothermal** **I.P1.9**
Massilon O. Luizon¹, Gabriela Byzynski Soares², Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Química de Araraquara/UNESP
- 17:45 Probing the SPION magnetization with an analytical balance, and the intriguing interaction of superparamagnetic nanoparticles with paramagnetic ions.** **I.P1.10**
Fernando Menegatti de Melo¹, Sabrina da Nobrega Almeida¹, Carlos Alberto Ospina Ramirez², Antonio Domingues Santos³, Henrique Eisi Toma¹; ¹Instituto de Química da Universidade de São Paulo, ²Centro Nacional de Pesquisa em Energia e Materiais, ³Instituto de Física da Universidade de São Paulo
- 17:45 The Influence of morphology and crystalline structure in the kinetics of nanoquartz and amorphous silica** **I.P1.11**
Beatriz Ferreira Mendes¹, Marco César Soares¹, Murilo Ferreira Marques Santos¹, Egont Alexandre Schenkel¹, Antônia Alana Lima Pacheco¹, Eric Fujiwara¹, Carlos K. Suzuki¹; ¹Universidade Estadual de Campinas
- 17:45 Computational studies of Silica Nanoparticles within binary fluid/oil interfaces** **I.P1.12**
Renan Augusto Pontes Ribeiro¹, Lucas Stori de Lara¹, Alexandre Camilo Junior¹, Sergio Ricardo de Lazaro¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Preparation and characterization of epoxy-silica organic inorganic hybrids** **I.P1.13**
Ruben Oblitas¹, Peter Hammer², Celso Santilli¹; ¹Instituto de Química de Araraquara/UNESP, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Synthesis and characterization of copolymer: poly(acid-p-hydroxybenzoic-co-p-aminophenol)** **I.P1.14**
Rafael da Silva¹, João Afonso da Silva Neto¹, Jussara Vieira Silva¹, João Marcos Madurro¹, Ana Graci Brito-Madurro¹; ¹Universidade Federal de Uberlândia
- 17:45 Modification of decaniobates [Nb₁₀O₂₈]⁶⁻ to obtain acid-base solids** **I.P1.15**
Luisa Fernanda Gutierrez¹, Jose Jobanny Martinez¹, Hugo Alfonso Rojas¹, Maria Helena Brijaldo², Fabio Barboza Passos²; ¹Universidad Pedagógica y Tecnológica de Colombia, ²Universidade Federal Fluminense

- 17:45 Synthesis and spectroscopic characterization of microporous materials containing vanadium using quiral organic molecules derivatives of piperidines. I.P1.16**
Janine Contro¹, Alex Silva Paula², Ariano De Giovanni Rodrigues³, Marcus Giotto⁴, Carlos Pacheco⁵, Valmir Fadel², José Geraldo Nery²; ¹Universidade Estadual Paulista, ²UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto, ³Universidade Federal de São Carlos - Campus: São Carlos, ⁴University of Connecticut, ⁵The Pennsylvania State University
- 17:45 Spectroscopy determination of the size dispersion of 3-mercaptopropionic acid capped CdTe QDs I.P1.17**
Brener Rodrigo Carvalho Vale¹, José Carlos Leandro de Sousa¹, Marcelo Gonçalves Vivas², Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei, ²Universidade Federal de Alfenas
- 17:45 Interaction between CdTe/MPA Quantum Dots and Carbon Dots I.P1.18**
Brener Rodrigo Carvalho Vale¹, Roberto Vaz¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 The effect of chain size and the external group of the surface ligands on the growth kinetics of water-soluble CdTe QDs I.P1.19**
Rafael Silveira Mourão¹, Brener Rodrigo Carvalho Vale¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Highly luminescent carbon dots via hydrothermal route: understanding their spectroscopic properties. I.P1.20**
Rafael Silveira Mourão¹, Brener Rodrigo Carvalho Vale¹, Roberto Vaz¹, Tereza Inês Rodrigues Souza¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Golden Coating Optimization for Better Characterization of Non Conductive Samples I.P1.21**
Emília Pereira Veras¹, Diana Robertada Silva Medeiros¹, Eugênio Teixeira Filho¹, Artejose Revoredo da Silva¹, Djalma Ribeiro Silva¹; ¹Universidade Federal do Rio Grande do Norte
- 17:45 Obtaining nitrogen martensite on pure iron nitrided and pure iron enriched with chrome nitrided by plasma I.P1.22**
Sabrina Rodrigues Meira¹, Euclides Alexandre Bernardelli¹, Márcio Mafra¹, Felipe Augusto de Aguiar Possoli¹, Paulo César Borges¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Characterization of electrodeposited Co and Cu formed from recycled spent Li-Ion batteries and its application in electroflotation process I.P1.23**
Carol de Souza Berger¹, Vinicius Guilherme Celante¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo
- 17:45 Mode I crack propagation tests in adhesively bonded joints I.P1.24**
Silvio de Barros¹, Marcos Henrique Falcão da Costa¹, Gabriel de Brito Mello¹, Luiz Carlos da Silva Nunes², Paulo Pedro Kenedi¹; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ²Universidade Federal Fluminense
- 17:45 IMPROVE THE IMPLANT SURFACES OF DENTAL TREATMENT FERNANDO LUZIA FRANÇA¹; ¹CENTRO FEDERAL DE EDUCAÇÃO TECNOLÓGICA DE MINAS GERAIS I.P1.25**
- 17:45 TITANIUM SURFACE MODIFICATION BY NITROGEN PIII INSIDE CONDUCTIVE TUBES I.P1.26**
Nazir Monteiro dos Santos¹, Mario Ueda¹; ¹Instituto Nacional de Pesquisas Espaciais

- 17:45 Effects of the plasma immersion ion implantation parameters on the formation of S-phase in super duplex steels** **I.P1.27**
Willian Rafael de Oliveira¹, Gelson Biscaia de Souza¹, Bruna Corina Emanuely Schibichski¹, Francisco Carlos Serbena¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Low-temperature plasma carburizing of sintered pure iron: Influence of methane and nitrogen pulse** **I.P1.28**
Rafhael De Nez¹, Alisson Prodócimo¹, Thiago Souza Lamim², Cristiano Binder², Márcio Mafra¹, Euclides Alexandre Bernardelli¹; ¹Universidade Tecnológica Federal do Paraná, ²Universidade Federal de Santa Catarina
- 17:45 Development of a Cell for Electrochemical Crevice Corrosion Tests** **I.P1.29**
Kassia Cristina Kafer Escher¹, Jair Pedralli Pedralli¹, Paulo César Borges¹, Carlos Marcus Gomes da Silva Cruz¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Development of a low cost abrasive wear analysis technique based on the wear profile volume calculation.** **I.P1.30**
 Carlos Wagner Moura e Silva¹, João Pedro Conte Sobrinho¹, Lara Rezende Souza¹; ¹CENTRO FEDERAL DE EDUCAÇÃO TECNOLÓGICA DE MINAS GERAIS
- 17:45 Corrosion Investigation of dissimilar alloys 2024-T3 and 7475-T761 welded by FSW** **I.P1.31**
Caio Palumbo Abreu^{1,2}, Hercílio Gomes de Melo³, Vincent Vivier¹, Nadine Pébère⁴, Isolda Costa²; ¹Université Paris 6 Pierre and Marie Curie, ²Instituto de Pesquisas Energéticas e Nucleares, ³Universidade de São Paulo, ⁴Université de Toulouse
- 17:45 Mechanical properties and corrosion resistance of supermartensitic stainless steel surfaces nitrated by plasma immersion ion implantation** **I.P1.32**
 Bruna Corina Emanuely Schibichski¹, Gelson Biscaia de Souza¹, Willian Rafael de Oliveira¹, Francisco Carlos Serbena¹, Cláudia E. B. Marino²; ¹Universidade Estadual de Ponta Grossa, ²Universidade Federal do Paraná
- 17:45 Evaluation of the Electrochemical Behavior of low carbon steel processed by ECAP via route A in C₆H₈O₇ 0,1 M + Na₂HPO₄ 0,2 M and NaCl 0,25 M solution** **I.P1.33**
 Jorgimara de Oliveira Braga¹, Tania Maria Cavalcanti Nogueira¹, Jefferson Fabrício Cardoso Lins¹, Gabriel Gonçalves Pessoa de Castro¹, Ana Carolina Duarte Duarte¹; ¹Universidade Federal Fluminense
- 17:45 Experimental analysis of damages in a motor piston to gasoline operating with addition of hidroxy gas** **I.P1.34**
ROBSON Guimarães SANABIO¹, Rubens Maribondo Nascimento², Thiago Chellapa², Valter Bezerra Dantas Dantas², Isaac Pericles Maia Medeiros²; ¹Universidade Estadual do Ceará, ²Universidade Federal do Rio Grande do Norte
- 17:45 Random Walk Method applied to investigate the Porous Size Distribution Measured by NMR and Surface Relaxivity** **I.P1.35**
Everton Lucas de Oliveira¹, Arthur Gustavo de Araujo-Ferreira¹, Carlos Alberto Fortulan², Tito Jose Bonagamba¹; ¹Sao Carlos Institute of Physics - University of Sao Paulo, ²Sao Carlos School of Engineering - University of Sao Paulo

- 17:45 Random Walk Method applied to investigate the Porous Size Distribution Measured by NMR and Surface Relaxivity I.P1.36**
Everton Lucas de Oliveira¹, Arthur Gustavo de Araujo-Ferreira¹, Carlos Alberto Fortulan², Tito Jose Bonagamba¹; ¹Sao Carlos Institute of Physics - University of Sao Paulo, ²Sao Carlos School of Engineering - University of Sao Paulo

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION I.OR4 (14:00 - 16:15) - Room Jacarandá

- 14:00 Shedding light onto surfaces: using soft X-ray spectroscopy to understand what happens at the top of your sample I.OR4.14***
Julio Criginski Cezar¹; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 14:30 Silicon film deposition parameters on Ti alloy by DC magnetron sputtering I.OR4.15**
André Felipe Ribeiro Moreira¹, Aline Capella de Oliveira¹, Douglas Marcel Gonçalves Leite², Marcos Massi¹; ¹Universidade Federal de São Paulo, ²Instituto Tecnológico de Aeronáutica
- 14:45 Semiconductors surface preparation for atomic layer deposition of high-k dielectric I.OR4.16**
Silma Alberton Corrêa¹, Alex Treviso¹, Fernanda Chiarello Stedile¹; ¹Universidade Federal do Rio Grande do Sul
- 15:00 Intrinsic viscosity and the rigid sphere model for characterization of ZrO₂ functionalized nanoparticles in organic solvents I.OR4.17**
William Alberto Leonel Ferreira¹, Bruno Henrique Ramos de Lima², Edson Roberto Leite¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²nchemi Engenharia de Mateirias LTDA
- 15:15 Chromium nitride thin films produced by hollow cathode reactive discharge and plasma immersion ion implantation and deposition I.OR4.18**
Carina Barros Mello¹, Michelle Santos²; ¹Instituto Nacional de Pesquisas Espaciais, ²Universidade Federal de São Paulo
- 15:30 Scale effects in surface wettability and their implications on oil recovery I.OR4.19**
Ronaldo Giro¹, Rafael Rodrigues Del Grande¹, Mathias Bernhard Steiner¹; ¹IBM Research - Brazil
- 15:45 Adhesion tests in composite repairs used in oil industry I.OR4.20**
Lais Amaral Alves¹, Bruno Cambraia Lemos², Phelippe De Araújo Pereira¹, Mariana Banea¹, Silvio de Barros¹; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ²PETROBRAS
- 16:00 Photoelectron Diffraction study of the Bi₂Se₃(0001) surface.**
Willians Principe Fernandes¹, Abner de Siervo², Edmar Avellar Soares³; ¹Universidade Federal de São João del-Rei, ²Instituto de Física Gleb Wataghin - UNICAMP, ³Universidade Federal de Minas Gerais

SYMPOSIUM J - Surface Science: Recent Developments in Technological Applications

Symposium organizers:

Marcelo Eduardo Huguenin Maia da Costa (*PUC-Rio*)
Carlos Alejandro Figueroa (*UCS and Plasmar Tecnologia*)
Sergio de Souza Camargo Jr (*COPPE and Escola Politecnica UFRJ*)
Maria de Fátima Brito Souza (*Unicamp*)

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION J.OR1 (09:45 - 10:45) - Room Carvalho III

- 09:45 Surface Engineering Nanostructures: Low energy Ion Bombardment Nano-structuring Process** **J.OR1.1***
Fernando Alvarez¹; ¹UNICAMP, Instituto de Física Gleb Wataghin - 13081-970
Campinas Sp, Brazil
- 10:15 Electropolymerized polyaniline used as energy surface modifier for stainless steel: from completely wetting to a non-wetting surface.** **J.OR1.2**
Filipe Signorelli¹, Maria de Fátima Brito Sousa¹, Celso Aparecido Bertran¹;
¹Universidade Estadual de Campinas
- 10:30 Silver nanoparticles synthesis in situ Langmuir films by ultraviolet decomposition of silver sulfadiazine** **J.OR1.3**
Douglas Ricardo de Assis¹, Miguel Jafelicci Júnior¹, Marian Rosaly Davolos¹;
¹Instituto de Química - IQ - Unesp - Araraquara

SESSION J.OR2 (11:15 - 12:00) - Room Carvalho III

- 11:15 Preparation of TiO₂ nanoparticles modified with porphyrins for photocatalysis** **J.OR2.4**
Caique Prado Machado de Oliveira¹, Dayse Carvalho da Silva Martins², Ana Luísa Lage², Nelcy Della Santina Mohallem², Marcelo Machado Viana²;
¹Pontifícia Universidade Católica de Minas Gerais, ²Universidade Federal de Minas Gerais
- 11:30 Applying the DiPEVa four-dimensional approach for surface tension prediction for liquids metals, salts, oxides, hydroxides and mixed inorganic materials** **J.OR2.5**
Cláudio Nunes Pereira¹, Guilherme Cañete Vebber²; ¹Tecnano Pesquisas e Serviços Ltda, ²Universidade Estadual do Rio Grande do Sul
- 11:45 Immobilization of protease onto polyaniline supported methyl methacrylate and divinylbenzene monolithic polymer** **J.OR2.6**
Rafael Bento de Sousa¹, Daniel Alves de Lima, Victor M. Cardoso, Samantha Salomão Caramori, Maísa B. Costa, Valmir Jacinto Silva, Denilson Rabelo;
¹Universidade Estadual de Goiás

SESSION J.OR3 (14:00 - 16:15) - Room Carvalho III

- 14:00 Superomniphobic Aluminum Surfaces via Etching and Fluorination Coatings** **J.OR3.7***
Thomaz Cabral Rangel¹, Daniel Eduardo Weibel¹; ¹Universidade Federal do Rio Grande do Sul

- 14:30 The influence of carbon concentration on the tribological behavior of nickel-chromium-aluminum-carbon alloy** **J.OR3.8**
Heitor Augusto Pinto Cavalli¹, Ane Cheila Rovani¹, Marjorie Benegra¹, Rodrigo Lupinacci Villanova¹; ¹Universidade Tecnológica Federal do Paraná
- 14:45 Tribological and wear analysis of plasma nitrided Ti-6Al-4V alloy** **J.OR3.9**
Lucas Travi¹, Ruth Hinrichs¹, Fernando Ritter¹, Marcos A. Z. Vasconcellos¹;
¹Universidade Federal do Rio Grande do Sul
- 15:00 Hydrogen etching on silicon interlayer towards well-adhered DLC on steel at low temperature** **J.OR3.10**
Angela Elisa Crespi¹, Leonardo Mathias Leidens¹, Carlos Alejandro Figueroa¹;
¹Universidade de Caxias do Sul
- 15:15 Characterization of co-deposited Ni-Cr and Ni-Cr-B nanocomposites coatings** **J.OR3.11**
jorge Morales Hernández¹, Araceli Mandujano Ruíz¹, Jaime Camargo González¹, Deyli Anaid Galíndez Espinoza¹; ¹Centro de Investigación y Desarrollo Tecnológico en Electroquímica S.C; Parque Tecnológico Sanfandila, Pedro Escobedo, C.P. 76703 Querétaro, México
- 15:30 Static and dynamic deposition of CoNiCrAlY coatings via HVPS process** **J.OR3.12**
Felipe Rocha Caliani^{1,2}, Felipe Souza Miranda¹, Gilberto Petraconi Filho¹, Leonid Ivanovich Charakhovski³, Alexei Mikhailovich Essiptchouk⁴, Danieli Aparecida Pereira Reis⁵; ¹Instituto Tecnológico da Aeronáutica, ²Universidade Federal de São Paulo - Campus São José dos Campos, ³National Academy of Sciences of Belarus, Luikov Heat and Mass Transfer Institute, ⁴Universidade Estadual Paulista - Campus São José dos Campos, ⁵Universidade Federal de São Paulo
- 15:45 Polycarbonate/Melamine for Coatings** **J.OR3.13**
Thiago do Carmo Rufino¹, Maria Isabel Felisberti¹; ¹Universidade Estadual de Campinas
- 16:00 Microstructured Furfuryl Resin obtained by PDMS mold transfer** **J.OR3.14**
Alexandre Aumiller¹, Walter Miyakawa², Rafael Louzada², Fábio Dondeo²;
¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Instituto de Estudos Avançados

Poster presentations

SESSION J.P1 (17:45 - 19:30)

- 17:45 Evaluation of the effect of the process parameters of a Ni5Al alloy deposited by Arc spray in the porosity and adherence of the coating** **J.P1.1**
Lucas Alan de Aguiar¹, Ramón Sigifredo Cortés Paredes¹; ¹Universidade Federal do Paraná
- 17:45 Study of surface roughness of polymeric composites through the tangential milling process** **J.P1.2**
Sarah David Müzel¹, Eduardo Pires Bonhin², Larissa Ribas de Lima Soares², Julio Cesar Molina³, Manoel Cleber de Sampaio Alves²; ¹UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO", ²Universidade Estadual Paulista Júlio de Mesquita Filho, ³UNESP-Câmpus de Itapeva

- 17:45 Microstructural and Corrosion Evaluation of Inconel 718 and Hastelloy X Coatings** **J.P1.3**
 Sidnei GUERREIRO da Silva¹, Hector Reynaldo Meneses Costa¹, William Dias Alfradique Valente¹, Marco Vinicius da Silva¹, Verona Biancardi Oliveira²;
¹Centro Federal de Educação Tecnológica, ²Universidade do Estado do Rio de Janeiro
- 17:45 Surface characterization of plasma nitrided maraging 300 steel** **J.P1.4**
Adriano Gonçalves dos Reis^{1,2}, Danieli Aparecida Pereira Reis^{3,4}, Antonio Jorge Abdalla^{3,5}, Antonio Augusto Couto^{6,2}, Tarcila Sugahara⁴, Jorge Otubo^{3,4};
¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Instituto de Pesquisas Energéticas e Nucleares, ³Instituto Tecnológico de Aeronáutica, ⁴Universidade Federal de São Paulo, ⁵Instituto de Estudos Avançados, ⁶Universidade Presbiteriana Mackenzie
- 17:45 The Influence of the Pretreatment in the Aluminum Alloy AA 2024-T4 on the Electrodepositing of the Polymer 5-Amino-1-Naphthol** **J.P1.5**
Alvaro Roberto Martins¹, Roy Victor Escobar¹, Wellington de Souza Lima¹, Susanna I. Cordoba de Torresi², Jadielson Lucas Antonio², Elaine Pavini Cintra¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Instituto de Química da Universidade de São Paulo
- 17:45 Growth and Characteristics of NCD/MCD/NCD Multilayer Coatings on WC-Co substrates** **J.P1.6**
José Vieira da Silva Neto¹, Mariana Amorim Fraga¹, André Contin¹, Raonei Alves Campos², Evaldo José Corat¹, Vladimir Jesus Trava-Airoldi¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 Characterization of NiCoCrAlY bond coating on Ti-6Al-4V substrate** **J.P1.7**
Filipe Estevão de Freitas¹, Danieli Aparecida Pereira Reis¹, Adriano Gonçalves dos Reis²; ¹Universidade Federal de São Paulo, ²Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Cordierite-metal joint development for usage in ultra-high vacuum environment** **J.P1.8**
Tatiani Falvo^{1,2}, Flávia B. Mendes¹, Osmar R. Bagnato³, Marcos P. Gonçalves¹;
¹Engecer Ltda., ²Universidade Federal de São Carlos (UFSCAR), ³Laboratório Nacional de Luz Síncrotron (LNLS)
- 17:45 Influence of speed and depth of cut in power and surface finish machining of superalloy VAT-32® with alumina-based ceramic tool** **J.P1.9**
Eduardo Pires Bonhin¹, Sarah David Müzel¹, Marcel Yuzo Kondo¹, Marcos Valério Ribeiro¹, José Vitor Souza¹; ¹UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO"
- 17:45 Influence of process parameters on the morphology, dimension and microstructure of Ti-CP and Ti-6Al-4V tracks obtained by laser surface remelting** **J.P1.10**
Edwin Sallica Leva¹, Rubens Caram¹, João Batista Fogagnolo¹; ¹Universidade Estadual de Campinas
- 17:45 Conversion coating on magnesium alloy sheet (AZ31) by vanillic acid treatment** **J.P1.11**
Guilherme Pazini Abatti¹, Thiago Ferreira da Conceição¹, Alfredo Tiburcio Nunes Pires¹, Almir Spinelli¹; ¹Universidade Federal de Santa Catarina

- 17:45 Superhydrophobicity: Influence of PTFE nanostructure on anisotropically etched silicon surfaces J.P1.12**
 Alexandre Fassini Michels¹, Carla Daniela Boeira¹, Carlos Alejandro Figueroa¹, Adriano Moehlecke², Daniel Eduardo Weibel³, Flavio Horowitz³; ¹Universidade de Caxias do Sul, ²Pontifícia Universidade Católica do Rio Grande do Sul, ³Universidade Federal do Rio Grande do Sul
- 17:45 Synthesis and morphological characterization of Co , Cu and Mn films electrodeposited from the recycling of spent batteries and its application in galvanic protection of AISI 1045 carbon steel corrosion J.P1.13**
Luiza Botan Favale¹, Livia Serra Selvatici¹, Eduardo dos Santos Loureiro¹, Marcos Benedito Jose de Freitas², Pedro Vitor Morbach Dixini¹, Vinicius Guilherme Celante¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Universidade Federal do Espírito Santo
- 17:45 Characterization of PEO coatings on aluminium in the presence of silver J.P1.14**
Andressa Rodrigues¹, Marco Antonio Albuquerque Gaspar¹, Janaina Soares Santos¹, Giovanni Pimenta Mambrini¹, Francisco Trivinho-Strixino¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Effect of number of electrochemical cycles in polyaniline electrosynthesis on carbon felt J.P1.15**
 Anne Karoline dos Santos Poli¹, Gustavo Machado Domingues Caetano^{2,3}, Adriana Medeiros Gama², Mauricio Ribeiro Baldan⁴, Emerson Sarmiento Gonçalves^{1,2}; ¹Instituto Tecnológico de Aeronáutica, ²Instituto de Aeronáutica e Espaço, ³ETEP Faculdades, ⁴Instituto Nacional de Pesquisas Espaciais
- 17:45 Evaluation of fretting wear behaviour of DLC hard coatings deposited on stainless steel J.P1.16**
Eugenia Laura Dalibon¹, Jorge Nahuel Pecina¹, Amado Cabo², Vladimir Jesús Trava-Airoldi³, Sonia Patricia Brühl¹; ¹Universidad Tecnológica Nacional, ²IONAR S.A., ³Instituto Nacional de Pesquisas Espaciais
- 17:45 Synthesis and characterization of hybrid polymer for the adsorption of imazethapyr in aqueous medium J.P1.17**
Gabriel Rabelo Coelho¹, Juliana Casarin¹, Mariana Gava Segatelli¹, César Ricardo Teixeira Tarley¹; ¹Universidade Estadual de Londrina
- 17:45 Characterization of TiN thin films deposited by reactive magnetron sputtering in an industrial equipment J.P1.18**
Bruna Louise Perotti¹, Letícia Tessari Bim¹, Carla Daniela Boeira¹, Carlos Alejandro Figueroa¹; ¹Universidade de Caxias do Sul
- 17:45 Comparative corrosion resistance study of the of polypyrrole and polyaniline films electrodeposited on aluminum J.P1.19**
Rodrigo Barbosa Hilario¹, Andrea Santos Liu¹, Liu Yao Cho², Adriana Medeiros Gama³, Mauricio Ribeiro Baldan⁴, Emerson Sarmiento Gonçalves³; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade do Vale do Paraíba, ³Divisão de Materiais, ⁴Instituto Nacional de Pesquisas Espaciais
- 17:45 Treatment of surface analysis in steel plates sae paint eletrostatics J.P1.20**
Eduardo Costa Estambasse¹, Paulo Cesar Rabelo¹; ¹Faculdade de Tecnologia Senai Londrina
- 17:45 Laser surface alloying in Ti-Nb sintered parts. J.P1.21**
Sérgio dos Anjos Silva¹, João Batista Fogagnolo¹, Rubens Caram¹, Vicente Amigó Borrás²; ¹Universidade Estadual de Campinas, ²Universidad Politécnica de Valencia

- 17:45 Surface finish evaluation of green alumina bodies by turning using three types of cutting tool** **J.P1.22**
Marcos Gonçalves Júnior¹, Cesar Renato Foschini¹, Marcos Tadeu Tibúrcio Gonçalves¹, Ivaldo De Domenico Valarelli¹, Luiz Eduardo de Angelo Sanchez¹, Carlos Alberto Fortulan²; ¹Faculdade de Engenharia - Campus de Bauru, ²USP - Escola de Engenharia de São Carlos
- 17:45 Removal of Cu(II) from aqueous solution using a modified PVC surface: Characterization and application** **J.P1.23**
Gustavo Rocha Castro¹, Alexandre de Oliveira Jorgetto¹, Valber Albuquerque Pedrosa¹, Adrielli Cristina Peres Silva¹, Marcos Henrique P Wondracek¹, Janaíne Rocio Ivassachen¹; ¹Instituto de Biociencias de Botucatu - UNESP
- 17:45 Growth of superconductor and ferroelectric materials** **J.P1.24**
Felipe Ferraz Morgado de Oliveira^{1,2}, Caroline Lydie Moulis^{3,4}, Thiago José de Almeida Mori³, Pedro Schio de Noronha Muniz³, Julio Criginski Cezar²; ¹Universidade Federal de São Carlos, ²Centro Nacional de Pesquisa em Energia e Materiais, ³Laboratório Nacional de Luz Síncrotron, ⁴Instituto de Física "Gleb Wataghin" - UNICAMP
- 17:45 Preparation and characterization of cubic silsesquioxane organically modified with benzimidazol** **J.P1.25**
Tamires Rocha Souza¹, Natasha Mirela Inhã Godoi¹, Daniela Silvestrini Fernandes¹, Devaney Ribeiro do Carmo¹; ¹Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Surface energetics studies of nanomaterials** **J.P1.26**
Kristina Lilova¹, Danilo Massaki Oshima², Link Brown¹; ¹Setaram Inc., ²Dairix
- 17:45 Corrosion evaluation of metal parts in biodiesel by Atomic Force Microscopy and Vickers Micro Hardness** **J.P1.27**
Murilo de Araújo¹, Alexandre Cestari¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo - IFSP - Campus Matão
- 17:45 Superhydrophobic state on Ti-6Al-4V surface using laser ablation** **J.P1.28**
Ivan Kwei Liu Kam^{1,2}, Jonas Jakutis Neto¹; ¹Instituto de Estudos Avançados, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Influence of time on thickness and wear resistance of red mud coating in aluminum alloy** **J.P1.29**
Lívia Sottovia¹, Maria Lucia Pereira Antunes¹, Rafael Parra Ribeiro², Bruno Oliveira Garcia¹, Felipe Saura¹, Elidiane Cipriano Rangel¹, Nilson Cristino Cruz¹; ¹Universidade Estadual Paulista - Campus Sorocaba, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Incorporation of niobium in coatings produced by plasma electrolytic oxidation of titanium** **J.P1.30**
Fabio Rodrigues Orsetti¹, Thaís Matiello Gonçalves², Lívia Sottovia¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹, Ana Maria Ferrari Lima³; ¹UNESP - Campus Sorocaba, ²Universidade Estadual Paulista Júlio de Mesquita Filho, ³Universidade Tecnológica Federal do Paraná
- 17:45 Use of mining waste for plasma surface treatment** **J.P1.31**
Maria Lucia Pereira Antunes¹, Vivian Farias de Lima¹, Elidiane Cipriano Rangel², Nilson Cristino Cruz¹; ¹UNESP - Campus Sorocaba, ²Universidade Estadual Paulista - Campus Sorocaba

- 17:45 Surface modification and corrosion protection of steel by electrosynthesized polyaniline/magnetite nanoparticles composite films** **J.P1.32**
Giuliana Thalina Franco¹, Lucas Henrique Eiras dos Santos¹, Carlos Marcus Gomes da Silva Cruz², Artur de Jesus Motheo¹; ¹Universidade de São Paulo, ²Universidade Tecnológica Federal do Paraná
- 17:45 Grazing incidence synchrotron X-ray diffraction and Mössbauer spectroscopy analyses of plasma nitrided ASTM F138 stainless steel** **J.P1.33**
Danilo Olzon Dionysio de Souza^{1,2}, Edilaine Honório Silva³, Maristela Olzon-Dionysio², Sylvio Dionysio de Souza², L. G. Martinez⁴, José Domingos Fabris², José Domingos Ardisson¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Federal University of the Jequitinhonha and Mucuri Valleys, ³Studiecentrum voor Kernenergie, ⁴Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Residual stress and nanostructuring of stainless steel (AISI 316L) prompted by xenon ion bombardment at different impinging angles** **J.P1.34**
Silvia Azevedo dos Santos Cucatti¹, Roosevelt Droppa Jr.², Carlos Alejandro Figueroa³, Manuela Klaus⁴, Christoph Genzel⁴, Fernando Alvarez¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Universidade Federal do ABC, ³Universidade de Caxias do Sul, ⁴Helmholtz-Zentrum Berlin für Materialien und Energie
- 17:45 Roughness Analysis of Pearlitic Steel Wire Drawn** **J.P1.35**
Ana Carolina Duarte Duarte¹, Rachel Santos Mendes¹, Manuela Fontana¹, Gabriel Gonçalves Pessoa de Castro¹, Jefferson Fabrício Cardoso Lins¹, Jorgimara de Oliveira Braga¹; ¹Universidade Federal Fluminense
- 17:45 The settling effect evaluation on stainless steel parts processed by gelcasting process** **J.P1.36**
Louise Fernanda Rodrigues Oliveira¹, Fernando Santos Ortega¹; ¹Centro Universitário FEI
- 17:45 Behavior of fatigue life in the steel SAE 1020 submitted to arc welding with coated electrode AWS E 7018 – case study** **J.P1.37**
Mauro Pedro Peres¹, Francisco José Grandinetti¹, Haroldo Wilson Lourenço Silva², Ramon Moreira Peres², Daniel Grandinetti¹; ¹Universidade de Taubaté, ²UNESP Guaratinguetá
- 17:45 LOW-TEMPERATURE PLASMA ASSISTED CARBURIZING OF THE AISI 410 MARTENSITIC STAINLESS STEEL: MICROSTRUCTURE AND CORROSION RESISTENCE** **J.P1.38**
Maressa Vilela Garcia¹, Orlando Lima Ferreira², Miguel valentin Iginó², Marcos Antonio Coelho Berton², Rodrigo Perito Cardoso¹; ¹Universidade Federal do Paraná, ²Instituto Senai de Inovação em Eletroquímica
- 17:45 Chemical Deposition of Polypyrrole on Copper Surface** **J.P1.39**
Bárbara Ramos Ferreira¹, Liu Yao Cho¹, Andrea Santos Liu²; ¹Universidade do Vale do Paraíba, ²Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 Corrosion behavior in welded joints of super duplex stainless steel ASTM A890/890M grade 6A.** **J.P1.40**
Eloá Lopes Maia¹, Marcelo Martins², Eduardo Bertoni da Fonseca³, Paulo Roberto Mei¹; ¹Universidade Estadual de Campinas, ²Sulzer S/A, ³Laboratório Nacional de Nanotecnologia

- 17:45 Radiation of the parts 316 stainless steel previously coated with NiCrAlY by the method HVOF with CO₂ laser** **J.P1.41**
Silvelene Alessandra Silva¹, Maria Fernanda de Souza Ferreira², Glaucia Regina Silva Pita¹, Ana Claudia Costa Oliveira³, Getúlio Vasconcelos^{4,1}; ¹Instituto de Estudos Avançados, ²ETEP Faculdades, ³Fundação Universidade Federal do Pampa, ⁴Instituto Tecnológico de Aeronáutica
- 17:45 Corrosion resistance of carbon steel coated with SiO_x/SiO_xC_yH_z/SiO_x multilayers : variation of the parameters on the deposition of the SiO_x layer** **J.P1.42**
Rita de Cássia Cipriano Rangel¹, Elidiane Cipriano Rangel¹, Nilson Cristino Cruz¹, Francesco Fracassi²; ¹Universidade Estadual Paulista - Campus Sorocaba, ²Università degli Studi di Bari Aldo Moro
- 17:45 SiC interlayer by laser-cladding on WC-Co substrates for CVD diamond deposition** **J.P1.43**
Andre Contin¹, Raonei Alves Campos², Mariana Amorim Fraga¹, Getúlio Vasconcelos³, José Vieira da Silva Neto¹, Vladimir Jesus Trava-Airoldi¹, Evaldo José Corat¹; ¹Instituto Nacional de pesquisas espaciais, ²Universidade Federal do Sul e Sudeste do Pará, ³Instituto de Estudos Avançados
- 17:45 Green smart anticorrosive coating based on APDTC and PVAc for aluminium alloy protection** **J.P1.44**
 Vanessa Salgado¹, HERBERT DUCHATSCH JOHANSEN¹; ¹Universidade do Sagrado Coração
- 17:45 CARBON-FLUORINE FILMS DEPOSITED BY PECVD FROM 1,1,1,2-TETRAFLUORETHANE AND ACETYLENE APPLIED TO THE REDUCTION INORGANIC SCALE FORMATION** **J.P1.45**
Mauro Meliga Wysard¹, Sérgio de Souza Camargo Jr.¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Influence of the pressure in the corrosion resistance of the SiO_xC_yH_z films deposited by plasma.** **J.P1.46**
Felipe Oliveira Fernandes¹, Rita de Cássia Cipriano Rangel¹, Guilherme Rodrigues Barbazza¹, Rafael Parra Ribeiro¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹; ¹Universidade Estadual Paulista - Campus Sorocaba
- 17:45 Morphology and mechanical properties of SiO_xC_yH_z[n1] films deposited by PECVD** **J.P1.47**
Guilherme Rodrigues Barbazza¹, Felipe Oliveira Fernandes¹, Rita de Cássia Cipriano Rangel¹, Rafael Parra Ribeiro¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹; ¹Universidade Estadual Paulista - Campus Sorocaba
- 17:45 Tribological properties of RF-plasma-deposited diamond-like carbon coatings on nitrile rubber.** **J.P1.48**
 Marcelo Evers¹, Y. T. Xing¹, Juan Lucas Nachez¹, D. F. Franceschini¹; ¹Universidade Federal Fluminense
- 17:45 Plasma electrolytic oxidation of Al alloy from a solution containing aluminium sulfate** **J.P1.49**
Deborah C.R. Santos¹, Bruna T. M. Souza¹; ¹Faculdade de Tecnologia de Pindamonhangaba
- 17:45 Calcium Carbonate Scale Formation onto Stainless Steel and Carbon-Based Surfaces** **J.P1.50**
Lucas Muraro Sassi¹, Mauro Meliga Wysard¹, Sérgio de Souza Camargo Jr.¹; ¹Universidade Federal do Rio de Janeiro

- 17:45 Synthesis and characterization of nickel films over aluminum substrates produced through nitrates thermal decomposition followed by H₂ reduction** **J.P1.51**
Rogério Navarro Correia Siqueira¹, José Brant Campos², Suzana Bottega Peripolli², Vitor Santos Ramos², Thais Marques²; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Universidade do Estado do Rio de Janeiro
- 17:45 The study of microstructure and corrosion of the steel 1045 in the presence of guaraná sleeves such as green inhibitor** **J.P1.52**
Amanda Pires Nogueira de Souza¹, Antonio Faria Neto¹, Raimundo Ribeiro Passos¹, Leandro Aparecido Pocrifka¹; ¹Universidade Federal do Amazonas
- 17:45 Evaluation of the variables in the carbon steel corrosion process using guaraná sleeves as green corrosion inhibitor through the Taguchi method** **J.P1.53**
 Antonio Faria Neto¹, Amanda Pires Nogueira de Souza¹, Raimundo Ribeiro Passos¹, Leandro Aparecido Pocrifka¹; ¹Universidade Federal do Amazonas
- 17:45 Thin films deposition of Cr-N compounds by reactive plasma immersion ion implantation and deposition (PIII&D)** **J.P1.54**
 Michelle Santos¹, Carina Barros Mello²; ¹Universidade Federal de São Paulo, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Thin films deposition of Cr-N compounds by reactive plasma immersion ion implantation and deposition (PIII&D)** **J.P1.55**
 Michelle Santos¹, Carina Barros Mello²; ¹Universidade Federal de São Paulo, ²Instituto Nacional de pesquisas espaciais
- 17:45 Exfoliation corrosion evaluation of AA 2198-T851 aluminum alloy welded by FSW** **J.P1.56**
Caruline de Souza Carvalho Machado¹, Mariana Xavier Milagre¹, Cassius Olivo Figueiredo Terra Ruchert², Caio Palumbo Abreu¹, Isolda Costa¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Escola de Engenharia de São Carlos/USP
- 17:45 Hydrogen plasma etching to improve DLC thin films adhesion on steel** **J.P1.57**
 Leonardo Mathias Leidens¹, Vanessa Piroli¹, Angela Elisa Crespi¹, Carla Daniela Boeira¹, Carlos Alejandro Figueroa¹; ¹Universidade de Caxias do Sul
- 17:45 Thermal Plasma Spraying System to Produce Ceramic Coating** **J.P1.58**
Roberson José da Silva¹, Tiago Moreira Bastos Campos¹, Cristian Cley Paterniani Rita¹, Aleandro Ribeiro Marquesi¹, Homero Santiago Maciel^{1,2}, Gilberto Petraconi Filho¹; ¹Instituto Tecnológico de Aeronáutica, ²Universidade do Vale do Paraíba
- 17:45 Silicon-containing interlayers leading to improve DLC films adhesion on steel** **J.P1.59**
 Carla Daniela Boeira¹, Leonardo Mathias Leidens¹, Felipe Cemin², Eigor Renato Petry¹, Alexandre Fassini Michels¹, Carlos Alejandro Figueroa¹; ¹Universidade de Caxias do Sul, ²Université Paris-Sud
- 17:45 Morphology of interference films grown on stainless steel by electrochemical methods using molybdate and vanadate solutions** **J.P1.60**
Rosa Maria Rabelo Junqueira¹; ¹Universidade Federal de Minas Gerais
- 17:45 Conversion of SiO_xC_yH_z thin films surfaces into SiO₂-like by O₂ plasma treatment** **J.P1.61**
Rafael Parra Ribeiro¹, Rita de Cássia Cipriano Rangel¹, Felipe Oliveira Fernandes¹, Guilherme Rodrigues Barbazza¹, Nilson Cristino Cruz¹, Steven Frederick Durrant¹, Elidiane Cipriano Rangel¹; ¹Universidade Estadual Paulista - Campus Sorocaba

- 17:45 Deposition of SiO₂ coatings on composites substrates by solution precursor plasma spraying process J.P1.62**
Felipe Souza Miranda¹, Felipe Rocha Caliar^{2,3}, Alexei Mikhailovich Essiptchouk^{1,4}, Gilberto Petraconi Filho¹, Tiago Moreira Bastos Campos¹, Gilmar Patrocínio Thim⁵; ¹Instituto Tecnológico de Aeronáutica, ²Instituto Tecnológico da Aeronáutica, ³Universidade Federal de São Paulo - Campus São José dos Campos, ⁴Univ. Estadual Paulista - Campus São José dos Campos, ⁵Instituto Tecnológico de Aeronáutica (ITA), Brasil
- 17:45 Low-k porous carbon-doped silicon dioxide (SiCOH) thin film: Structural characterization by X-ray at grazing incidence J.P1.63**
Rosimara Passos Toledo¹, Carlos Eduardo Silveira Dias¹, Danilo Roque Huanca¹, Sebastião Gomes dos Santos Filho², Patrick Verdonck³; ¹Universidade Federal de Itajubá, ²Universidade de São Paulo, ³Interuniversity Microelectronic Center
- 17:45 Influence of the feeding speed of an Inconel 625 wire deposited as coating through the TIG process over an ASTM A182 F22 steel J.P1.64**
Arthur Henrique Wiering¹; ¹Centro Universitário FEI
- 17:45 Modification of anchored TiO₂ nanotubes by silanization and further silicon oil embedding to create a hydrophobic lubricant-infused porous surface J.P1.65**
Maria de Fátima Brito Sousa¹, Mara Adlay Andrade¹, Rodnei Bertazzoli¹, Celso Aparecido Bertran¹; ¹Universidade Estadual de Campinas
- 17:45 Nanoporous anodic alumina produced with hybrid pulse technique with Short-Time Pulse Anodization J.P1.66**
Caio Guilherme Pereira dos Santos¹, Francisco Trivinho-Strixino¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Synthesis of Nanoporous Anodic Alumina (NAA) films growth on low cost Al substrate J.P1.67**
Uanderson Mezavila Garcia¹, Janaina Soares Santos¹, Francisco Trivinho-Strixino¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Catalytic activity evaluation of the perovskites La_(1-x)Ca_xMnO₃ and Gd_(1-x)Ca_xMnO₃ in methane combustion reactions. J.P1.68**
Mariza Fernandes Fernandes¹, Eduarda Medeiros de Araújo¹, Indianara Alves Fernandes¹, Filipe Martel Magalhães Borges¹, Juan Alberto Chavez Ruiz²; ¹Universidade Federal do Rio Grande do Norte, ²Centro de Tecnologias do Gás e Energias Renováveis
- 17:45 Preparation of Nb:TiO₂ thin films by sol-gel method: morphology and optical properties J.P1.69**
Gustavo Henrique de Magalhães Gomes¹, Marcelo Machado Viana¹, Nelcy D. S. Mohallem¹; ¹Universidade Federal de Minas Gerais
- 17:45 Luminescent visualization of latent fingerprints using TiO₂:Eu³⁺ powder J.P1.70**
Yasmim Rafaella Caixeta Pinto¹, Alberthmeiry Teixeira de Figueiredo¹, Ana Carolina Boacina de Freitas¹, Cristiano Morita Barrado¹; ¹Universidade Federal de Goiás
- 17:45 TiO₂ film on glass for self-cleaning and bactericidal activities J.P1.71**
Daniel Jacinto Silva¹, Gabriela Byzynski Soares², Diogo Paschoalini Volanti¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Química de Araraquara/UNESP

- 17:45 N:ZnO nanoparticles used as in atrazine photodegradation** **J.P1.72**
Tania Regina Giraldo¹, Shena Rafaela Rebouças Padilha¹, Mariana Fachin Lopes¹, Jéssica Ariane Oliveira²; ¹Universidade Federal de Alfenas, ²Universidade Federal de São Carlos
- 17:45 Layer-by-Layer Assembled TiO₂-Graphene Oxide Photocatalysts** **J.P1.73**
Ítalo Azevedo Costa¹, Leonardo Giordano Paterno¹, Leonardo Ferreira Paula², Antônio Otávio de Toledo Patrocínio²; ¹Universidade de Brasília, ²Universidade Federal de Uberlândia
- 17:45 Study of YVO₄ as photocatalytic catalyst: correlation between synthetic route and ecotoxicity.** **J.P1.74**
 Carlos Martins Aiube¹, Ingrid Tavora Weber, Tatiane Martins Lobo¹, Rhaul Oliveira¹, Irvin Bryan Machado Ferraz¹, Diego Sousa Moura¹, Marly Eiko Osugi¹, Cesar Grisolia¹; ¹Universidade de Brasília
- 17:45 Sol-gel TiO₂ and TiO₂/SiO₂ photocatalyst films for dye degradation** **J.P1.75**
Magnum Augusto Moraes Lopes de Jesus¹, Nelcy Della Santana Mohallem¹, Angela de Mello Ferreira²; ¹Universidade Federal de Minas Gerais, ²Centro Federal de Educação Tecnológica de Minas Gerais
- 17:45 PMMA-TiO₂ hybrid coatings for corrosion protection of carbon steel** **J.P1.76**
Samarah Vargas Harb¹, Andressa Trentin¹, Sandra Helena Pulcinelli¹, Celso Valentim Santilli¹, Peter Hammer¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 The effect of the morphology in the biological and chemical decontamination using TiO₂ films synthesized by Plasma Electrolytic Oxidation** **J.P1.77**
Mariana de Souza Sikora¹, Carlise Hannel Ferreira¹, Amanda Santos de Lima¹, Sabrina Candido Nunes¹, Vidiany Aparecida Queiroz Santos¹, Ernesto Chaves Pereira²; ¹Universidade Tecnológica Federal do Paraná, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Influence of the peroxide group on the surface of titanium dioxide synthesized by the OPM route** **J.P1.78**
Estela Melaré Ribeiro dos Santos¹, Andressa Mayumi Kubo¹, Luiz Fernando Gorup¹, Patrícia Francatto¹, Francisco Nunes de Souza Neto², Edson Roberto Leite¹, Elson Longo¹, Emerson Rodrigues Camargo¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de São Carlos
- 17:45 Synthesis and characterization of titanium dioxide with a surface containing peroxo groups** **J.P1.79**
Patrícia Alejandra Merino Figueredo¹, Elson Longo¹, Andre Esteves Nogueira¹, Edson Roberto Leite¹, Luiz Fernando Gorup¹, Patrícia Francatto¹, Francisco Nunes de Souza Neto¹, Estela Melaré Ribeiro dos Santos², Emerson Rodrigues Camargo¹; ¹Universidade Federal de São Carlos, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Effect of molybdates addition on pitting corrosion in colored AISI 304 stainless steel added by electrochemical deposition** **J.P1.80**
Francisco Javier Goyo Brito¹, Adalberto Rosales Mendoza², Rosdely Quiroz²; ¹Escola de Engenharia de São Carlos/USP, ²Universidad Simón Bolívar Venezuela
- 17:45 RBS analysis of nanoporous anodic alumina** **J.P1.81**
Adriana Oliveira Delgado-Silva¹, Tiago Fiorini da Silva², L. Cantelli¹, Francisco Trivinho-Strixino¹, Manfredo Harri Tabacniks²; ¹Universidade Federal de São Carlos - campus Sorocaba, ²Instituto de Física-USP

- 17:45 Influence of concentration and liquid suspension phase on photocatalytic activity and polymer photodegradation of TiO₂-coated polypropylene films under UV-vis light** **J.P1.82**
Rodrigo Marques Tafuri¹, Elias Paiva Ferreira Neto², Ubirajara Pereira Rodrigues Filho²; ¹Escola de Engenharia de São Carlos- Universidade de São Paulo, ²Instituto de Química de São Carlos
- 17:45 Co₃O₄ Films Deposited by Reactive Magnetron Sputtering in Photocatalysis** **J.P1.83**
Kleper de Oliveira Rocha¹, Nilton Francelosi Azevedo Neto¹, Paulo Noronha Lisboa-Filho¹, José Humberto Dias da Silva¹; ¹Faculdade de Ciências/Bauru
- 17:45 Development and utilization of ceramics tools Al₂O₃ - 3y-ZrO₂ inserts for ceramics tools of gray cast iron GG20 class** **J.P1.84**
Miguel Adriano Inácio¹, Maria do Carmo de Andrade Nono², José Vitor Souza³, Daniel Alessander Nono², Sergio Luiz Mineiro²; ¹Instituto Nacional de pesquisas espaciais, ²Instituto Nacional de Pesquisas Espaciais, ³Faculdade de Engenharia de Guaratinguetá
- 17:45 Experimental Study and Characterization of DLC Films on steel, using PECVD-DC pulsed with Additional Cathode** **J.P1.85**
Marco Antonio Ramírez¹, Dubrazkha Carolina Lugo², Elver Juan de Dios Mitma Pillaca¹, Vladimir Jesús Trava-Airoldi¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Instituto Nacional de Pesquisas Espaciais, Laboratório Associado de Sensores
- 17:45 Synthesis of silica-coated gold nanoparticles: industrial and environmental radiotracers** **J.P1.86**
Raquel Luiza Mageste Fonseca¹, Bárbara Aparecida Nogueira Barbosa¹, Claudilene Ribeiro Chaves², Luiz Orlando Ladeira², Jorge Luis Lopez Aguilar³, Rubens Martins Moreira¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais, ³Universidade Federal do Acre
- 17:45 Application of pulsed current on anodizing and subsequent electrolytic coloring by direct current**
Natal Nerímio Regone¹, André Alves Ferreira¹; ¹Universidade Estadual Paulista-Campus de São João da Boa Vista

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION J.OR4 (09:45 - 10:45) - Room Carvalho III

- 09:45 Surface modification of polymeric materials by non-thermal plasma: from dental to engineering materials** **J.OR4.15***
Renata Simão¹; ¹Nanotechnology Engineering Program, COPPE - Federal University of Rio de Janeiro ? UFRJ, Rio de Janeiro, RJ, Brazil

- 10:15 N- doped SrSnO₃ – influence of the synthesis route** **J.OR4.16**
Ingrid Tavora Weber¹, Ronan Lebullenger², Tatiane Martins Lobo¹, Valerie Bouquet², Maryline Guilloux-Viry², Iêda Maria Garcia Santos³; ¹Universidade de Brasília, ²Université de Rennes 1, ³Universidade Federal da Paraíba
- 10:30 In-situ synthesis :An alternative route to process of ceramic coatings** **J.OR4.17**
Ana Sofia C. M. D'Oliveira¹, Edson H. Takano¹, Sidnei Antonio Pianaro²;
¹Universidade Federal do Paraná, ²Universidade Estadual de Ponta Grossa

SESSION J.OR5 (11:15 - 12:00) - Room Carvalho III

- 11:15 Cerium doped siloxane-PMMA hybrid coatings with anticorrosive self-healing properties** **J.OR5.18**
Andressa Trentin¹, Samarah Vargas Harb¹, Fábio Cesar dos Santos¹, Sandra Helena Pulcinelli¹, Celso Valentim Santilli¹, Peter Hammer¹; ¹Instituto de Química de Araraquara/UNESP
- 11:30 Carbon Modified Surfaces for Environmental and Energy Applications** **J.OR5.19**
Mauro Coelho dos Santos^{1,2}; ¹Fundação Universidade Federal do Abc, ²Universidade Federal do ABC

Poster presentations

SESSION J.P2 (17:45 - 19:30)

- 17:45 INFLUENCE OF HEAT TREATMENT ON SURFACE QUALITY OF MACHINED WOOD** **J.P2.140**
 Luciano Rossi Bilesky¹, Manoel Cleber de Sampaio Alves², Marcel Yuzo Kondo², Cleverson Pinheiro³, Demétrio Zacarias³; ¹Faculdade de Tecnologia de Ensino Superior, ²UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO", ³Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 Potential sustainable slow release fertilizers obtained by mechanochemical activation of layered double hydroxides and K₂HPO₄** **J.P2.90**
Roger Borges¹, Fernando Wypych¹, Vanessa PREVOT², Claude Forano²;
¹Universidade Federal do Paraná, ²Université Blaise Pascal
- 17:45 Study of the influence of texturing and flame treatment in the paint anchoring** **J.P2.107**
Thaysa R. M. Ferreira^{1,2}, André Luiz dos Santos², Arthur Parente², Aline Bruna da Silva¹; ¹Centro Federal de Educação Tecnológica de Minas Gerais, ²Fiat Chrysler Automobiles
- 17:45 Fabrication and optical characterization of Bragg mirror formed by porous silicon under electrochemical etching** **J.P2.135**
Ellen Christine de Souza Galvão¹, Luiz Angelo Berni², Antonio Fernando Beloto²; ¹Universidade Federal de São Paulo, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Effect of thermal treatment of carbon felt used as substrate to polyaniline electrosynthesis** **J.P2.94**
 Anne Karoline dos Santos Poli¹, Gustavo Machado Domingues Caetano^{2,3}, Adriana Medeiros Gama², Mauricio Ribeiro Baldan⁴, Emerson Sarmiento Gonçalves^{1,2}; ¹Instituto Tecnológico de Aeronáutica, ²Instituto de Aeronáutica e Espaço, ³ETEP Faculdades, ⁴Instituto Nacional de Pesquisas Espaciais

- 17:45 Modification of the wettability of the cellulose surface by ablation and deposition plasma processes** **J.P2.153**
Janine Sanches Gonzaga de Camargo¹, Aparecido Junior de Menezes¹, Elidiane Cipriano Rangel², Nilson Cristino Cruz², Adriana Oliveira Delgado-Silva¹;
¹Universidade Federal de São Carlos - campus Sorocaba, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Study and characterization of the variation of concentration of HNO₃ in wet tissues degradation process of carbon fiber.** **J.P2.93**
Marcelo Capella Campos¹, Carlos Alberto Soufen², Mario Galhiane², Nelson Betolucci¹, Graciete Solange Capella³, Danilo Scapin¹; ¹Faculdade de Tecnologia de Ensino Superior, ²UNESP, ³Faculdade de Agudos
- 17:45 Study of mechanical properties of hybrid tissues of kevlar and carbon fiber composite polymeric materials degraded by wet degradation process.** **J.P2.154**
Marcelo Capella Campos¹, Vinícius Faulin¹, Carlos Alberto Soufen², Eduardo Marques¹, Leonardo Terrabuio¹, Heitor Morales¹, Luis Almeida³; ¹Faculdade de Tecnologia de Ensino Superior, ²UNESP, ³Faculdade de Agudos
- 17:45 Study on porosity of plasma-treated cellulose acetate membrane** **J.P2.89**
Paola Egert Ortiz¹, Heloisa Regina Turatti Silva¹, Rachel Faverzani Magnago¹, Deise Rebelo Consoni², Vinicius Ferrari¹, Gabrielle Melo Burigo¹;
¹Universidade do Sul de Santa Catarina, ²Universidade Federal de Santa Catarina
- 17:45 Synthesis and characterization of a new cocrystal of hydrochlorothiazide** **J.P2.159**
Marcus Lima Sousa¹, Adenilson Oliveira dos Santos¹, Paulo Roberto da Silva Ribeiro¹; ¹Universidade Federal do Maranhão
- 17:45 A new cocrystal of Gliclazide with Tromethamine: preparation and characterization** **J.P2.158**
Marcus Lima Sousa¹, Francisca Célia da Silva¹, Silvério Ferreira da Silva Filho¹, Andreia Cardoso Pereira¹, Adenilson Oliveira dos Santos¹, Paulo Roberto da Silva Ribeiro¹; ¹Universidade Federal do Maranhão
- 17:45 Preparation and characterization of a new hybrid material formed by reaction of cobalt (II) nitroprusside and octa(aminopropyl)silsesquioxane** **J.P2.155**
Mariana de Souza Magossi¹, Devaney Ribeiro do Carmo¹; ¹Faculdade de Engenharia/UNESP-IS
- 17:45 Synthesis and characterization of MCM-41 inorganofunctionalized with Ti(IV) modified with eosin-methylene blue** **J.P2.113**
Maiara de Souza Magossi¹, Devaney Ribeiro do Carmo¹; ¹Faculdade de Engenharia/UNESP-IS
- 17:45 Layered zinc glycerolate produced "in-situ" into pores of mesoporous silica as catalyst for transesterification reactions** **J.P2.88**
Luis Ricardo S. Kanda¹, Marcos Lúcio Corazza¹, Fernando Wypych¹;
¹Universidade Federal do Paraná
- 17:45 Study of controlled release of urea using natural oil-based poly(urethane) coatings: the kinetic aspects of urea release** **J.P2.151**
Ricardo Bortoletto-Santos¹, Cauê Ribeiro Oliveira¹, Wagner Luiz Polito²;
¹Empresa Brasileira de Pesquisa Agropecuária, ²Instituto de Química de São Carlos
- 17:45 Electrodeposition and Characterization of Poly (5-Amino 1-Naphthol) in presence of organic and inorganic acids** **J.P2.138**
Wellington de Souza Lima¹, Roy Victor Escobar¹, Alvaro Roberto Martins¹, Elaine Pavini Cintra¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo

- 17:45 Controlled release of phosphate fertilizer using castor oil-based polyurethane coating: A phosphorus release study** **J.P2.100**
Diego Fernandes Da Cruz¹, Ricardo Bortoletto-Santos¹, Wagner Luiz Polito², Cauê Ribeiro Oliveira¹; ¹Empresa Brasileira de Pesquisa Agropecuária, ²Instituto de Química de São Carlos
- 17:45 Observation of ferroelectric domains with photoemission electron microscopy (PEEM)** **J.P2.95**
Caroline Lydie Mouls^{1,2}, Felipe Ferraz Morgado de Oliveira^{3,2}, Thiago José de Almeida Mori², Pedro Schio de Noronha Muniz², Julio Criginski Cezar²; ¹Universidade Estadual de Campinas, ²Centro Nacional de Pesquisa em Energia e Materiais, ³Universidade Federal de São Carlos
- 17:45 Thermal corrosion of monolithic vitreous carbon to obtain carbon microstructures** **J.P2.103**
Júlia Cassiano Ariseto^{1,2}, Fábio Dondeo Origo²; ¹Universidade Federal de São Paulo, ²Instituto de Estudos Avançados
- 17:45 Evaluation of nonionic surfactants in the treatment of oily water** **J.P2.108**
Aline Vaz de Souza¹, Natielly Andressa da Silva Souza¹, Josane Assis Costa¹, Claudia Regina Elias Mansur¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Synthesis and characterization of new silsesquioxane used in thin films for application on electrochemical response of nitrite** **J.P2.129**
Ariane Caroline Ribicki¹, João Paulo Winiarski¹, Bianca Gurski Chemin¹, Viviane Jandira Van Haandel¹, Sérgio Toshio Fujiwara¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Research on new silsesquioxane organofunctionalized with imidazole by the sol gel process** **J.P2.91**
Viviane Jandira Van Haandel¹, Ariane Caroline Ribicki¹, João Paulo Winiarski¹, Sérgio Toshio Fujiwara¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Study of the machinability of wood plastic composite through the milling process** **J.P2.121**
Carolina Franco Cunha¹, Sarah David Müzel², Manoel Cleber de Sampaio Alves², Brunna Maria Cunha Pereira¹; ¹UNESP Guaratinguetá, ²UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO"
- 17:45 Detection of IgM biomarker by Surface-Enhanced Fluorescence (SEF)** **J.P2.144**
Sabrina Aléssio Camacho¹, Regivaldo Sobral Filho², Pedro Henrique Benites Aoki³, Carlos José Leopoldo Constantino¹, Alexandre Guimarães Brolo²; ¹FCT-UNESP Campus de Presidente Prudente, ²University of Victoria British Columbia, ³Faculdade de Ciências e Letras, UNESP, Assis
- 17:45 Removal of direct yellow 12 from aqueous solutions by CTAB-coated magnetic nanoparticles** **J.P2.145**
Paulo Henrique Michels Brito¹, Renata Aquino¹, Jérôme Depeyrot¹, Alex Fabiano Cortez Campos¹; ¹Universidade de Brasília
- 17:45 Protection against corrosion of AA6063 alloy by polyaniline coatings and bimetallic nanoparticles** **J.P2.157**
Marília Evelyn Rodrigues Oliveira^{1,2}, Artur de Jesus Motheo^{1,2}; ¹Universidade de São Paulo, ²Instituto de Química de São Carlos

- 17:45 Biopolymer-based layer-by-layer films: Effects of chitosan characteristics on film architecture and properties** **J.P2.168**
Jorge Augusto de Moura Delezuk¹, Adriana Pavinatto², Flávio Makoto Shimizu¹, Valquiria Cruz Rodrigues¹, Marli Leite de Moraes³, Sérgio Paulo Campana Filho⁴, Sidney J.L. Ribeiro⁵, Osvaldo Novais Oliveira Jr¹; ¹São Carlos Institute of Physics, ²Empresa Brasileira de Pesquisa Agropecuária, ³Universidade Federal de São Paulo, ⁴Instituto de Química de São Carlos, ⁵Instituto de Química de Araraquara/UNESP
- 17:45 Surface Properties of Polyethylene / Montmorillonite / Carvacrol Nanocomposites** **J.P2.143**
Larissa Nunes da Silva¹, Paulo Henrique Camani², Rondes Ferreira da Silva Torin^{3,1}, Derval dos Santos Rosa³; ¹FACULDADE DE TECNOLOGIA, ²FACULDADE DE TECNOLOGIA DE MAUÁ, ³Universidade Federal do ABC
- 17:45 Prometryn herbicide detection via surface-enhanced Raman scattering (SERS): the effect of pH** **J.P2.126**
rafael Jesus goncalves Rubira¹, Carlos José Leopoldo Constantino¹, Santiago Sánchez-Cortés²; ¹FCT-UNESP Campus de Presidente Prudente, ²Consejo Superior de Investigaciones Científicas
- 17:45 Vermiculite incorporation of expanded effect on the physical properties of clay blocks** **J.P2.141**
Rivaldo Lins Rocha Filho¹, Giovanni Da Vinci Oliveira¹, Ricardo Peixoto Suassuna Dutra², Rubens Maribondo do Nascimento¹; ¹Universidade Federal do Rio Grande do Norte, ²Universidade Federal da Paraíba
- 17:45 Development of nanostructured electrochemical bio(sensors) for the detection of 17 α ethinylestradiol** **J.P2.130**
Adriana Pavinatto¹, Luiza Amim Mercante¹, Rafaela Cristina Sanfelice¹, Luiz Henrique Capparelli Mattoso¹, Daniel Souza Corrêa¹; ¹Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos
- 17:45 Physical-chemical properties of composite nanofibers based on polythiophene derivative coated with gold nanoparticles** **J.P2.137**
Rafaela Cristina Sanfelice¹, Luiza Amim Mercante², Adriana Pavinatto², Nathália B. Tomázio³, Cleber R. Mendonça³, Sidney J.L. Ribeiro⁴, Luiz Henrique Capparelli Mattoso², Daniel Souza Corrêa²; ¹Empresa Brasileira de Pesquisa Agropecuária, ²Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos, ³Instituto de Física de São Carlos, ⁴Instituto de Química de Araraquara/UNESP
- 17:45 Electrospun nanofibers based on polyamide 6/chitosan modified with metal nanoparticles for application in a chemical sensor** **J.P2.136**
Fernanda Lanzoni Migliorini¹, Rafaela Cristina Sanfelice¹, Adriana Pavinatto¹, Juliana Steffens², Clarice Steffens², Daniel Souza Corrêa¹; ¹Embrapa Instrumentação, ²Universidade Regional Integrada do Alto Uruguai E das Missões
- 17:45 Selective Fragmentation of MAPDST films by Synchrotron Radiation: a Combined XPS, NEXAFS and Theoretical Study** **J.P2.160**
Cleverson Alves Silva Moura¹, Guilherme Kretzmann Belmonte¹, Kenneth E. Gonsalves², Maximiliano Segala¹, Daniel Eduardo Weibel¹; ¹Universidade Federal do Rio Grande do Sul, ²Indian Institute of Technology Mandi

- 17:45 Electrospun polystyrene-(emeraldine base) mats as high performance materials for Congo red removal from aqueous solutions** **J.P2.115**
Filipe Dione Souza Gorza¹, Graciela da Costa Pedro¹, Romario justino da silva¹, Juan Carlos Medina Llamas¹, José Jarib Alcaraz Espinoza¹, Alicia Elizabeth Chávez Guajardo¹, Celso Pinto de Melo¹; ¹Universidade Federal de Pernambuco
- 17:45 Magnetic nanoparticles as support for immobilization of lipases** **J.P2.101**
Caroline Oliveira Rocha¹, Miguel Jafelicci Júnior¹, Ariela Veloso de Paula², Rodrigo Fernando Costa Marques¹; ¹Instituto de Química de Araraquara/UNESP, ²Faculdade de Ciências Farmacêuticas de Araraquara/UNESP
- 17:45 Shear strength in the gluing line of Pine wood surfaces planed in milling operation** **J.P2.111**
João Carlos Biazzon¹, Marcos Tadeu Tibúrcio Gonçalves², Paulo Roberto Gomes Alves², Ivaldo De Domenico Valarelli¹; ¹Universidade Estadual Paulista - Campus Bauru, ²Universidade Estadual Paulista - Campus Itapeva
- 17:45 Nanoporous anodic alumina (NAA) prepared under galvanostatic control and the influence on its optical properties** **J.P2.112**
Janaina Soares Santos¹, L. Cantelli¹, L. M. M. Ferro¹, P. M. Franci¹, Adriana Oliveira Delgado-Silva¹, F. H. Cristovan², Francisco Trivinho-Strixino¹; ¹Universidade Federal de São Carlos - campus Sorocaba, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Control of LIPPS formation in GaAs using femtosecond laser pulses** **J.P2.110**
Paulo Henrique Dias Ferreira¹, Kevin De Mello Santamaría¹, Vanessa Orsi Gordo¹, Mohamed Henini², Yara Galvão Gobato¹, Cleber R. Mendonça³; ¹Universidade Federal de São Carlos, ²University of Nottingham, ³Instituto de Física de São Carlos - USP
- 17:45 Preparation and Characterization of a Novel Composite Obtained Through Zr(IV) Isopropoxide and Phosphoric Acid for L-Glutathione Detection** **J.P2.164**
Daniela Silvestrini Fernandes¹, Tayla Fernanda Serantoni da Silveira¹, Devaney Ribeiro do Carmo¹; ¹Campus de Ilha Solteira
- 17:45 Study of the interaction nanoparticle/polymer in polyurethane** **J.P2.128**
Everton Willian Rodrigues da Silva Oliveira¹, Bruno Henrique Ramos Lima¹, Edson Roberto Leite¹; ¹Universidade Federal de São Carlos
- 17:45 Polyaniline electrossynthesis on composite surface carbon fiber-epoxy Aeronautic application** **J.P2.132**
Richelmy Magi Sanches^{1,2}, Aline Fontana Batista¹, Sandro Fonseca Quirino^{3,2}, Adriana Medeiros Gama¹, Maurício Ribeiro Baldan³, Emerson Sarmiento Gonçalves^{1,4}; ¹Instituto de Aeronáutica e Espaço, Laboratório de Caracterização Físico-Química, Divisão de Materiais, ²ETEP Faculdades, ³Instituto Nacional de pesquisas espaciais, ⁴Instituto Tecnológico da Aeronáutica
- 17:45 Electrolytic plasma technology produces alumina coating from borate electrolyte** **J.P2.147**
Deborah C.R. Santos¹, Gabriel S. Reis¹, Wesley V.S. Ramos¹; ¹Faculdade de Tecnologia de Pindamonhangaba
- 17:45 Non-destructive evaluation of protective coatings on AA2024-T3 aluminum alloy used in aeronautic parts by Electrochemical Impedance Spectroscopy** **J.P2.125**
Alain Robin¹, Luis Gustavo Pacheco¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Optical characterization of ITO films prepared in different atmospheres using Spectroscopic Ellipsometry** **J.P2.104**
Jean-Paul Gaston¹, Celine Eypert¹, Igor Carvalho¹, Joao Lucas Rangel¹; ¹Horiba Jobin Yvon

- 17:45 Evaluation of the formation of oil microemulsion in water based on petroleum solvents and nonylphenol ethoxylate surfactants.** **J.P2.96**
Juliana Verdan Silva¹, Josane Assis Costa¹, Claudia Regina Elias Mansur¹;
¹Instituto de Macromoléculas Eloisa Mano/ Universidade Federal do Rio de Janeiro
- 17:45 Deposition of waste Kaolin in aluminum alloy by electrolytic plasma technique** **J.P2.99**
Fabiola Bergamasco da Silva Marcondes Palinkas¹, Maria Lucia Pereira Antunes¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹, José Antonio da Silva Souza²; ¹UNESP - Campus Sorocaba, ²Universidade Federal do Pará
- 17:45 Preparation and characterization of polymeric membranes of PCL and PLA containing different amounts of zeolite ZSM-5** **J.P2.105**
Ana Paula Nogueira Alves¹, Lilian Siqueira², Fabio Roberto Passador², Eliandra de Sousa Trichês²; ¹Universidade Federal de São Paulo, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Study of variations molar ratio in phenolic resins synthesized with acid catalyst** **J.P2.87**
Carmen Greice Renda¹, Eduardo Nicollas Miranda Mendes², Ana Carolina Figueiredo Prado¹, Alessandra de Almeida Lucas¹, Roberto Bertholdo²;
¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de Alfenas
- 17:45 PLASMA SURFACE TREATMENT OF COTTON-BASED TEXTILE MATERIALS** **J.P2.98**
João Batista Giordano¹, Gabriela Furlan Giordano²; ¹Faculdade de Tecnologia de Americana, ²Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Evaluation of the photocatalytic activity of TiO₂ films grown by mocvd technique** **J.P2.97**
Bianca Alves Marcello¹, Guilherme Altomari Geríbola¹, Edval Gonçalves Araújo², Marina Fuser Pillis¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Universidade Federal de Pernambuco
- 17:45 Photoluminescence properties of perovskite multilayer thin films** **J.P2.122**
Leilane Roberta Macario¹, Tatiana Martelli Mazzo², Valérie Bouquet³, Stéphanie Députier³, Sophie Ollivier³, Maryline Guilloux-Viry³, Elson Longo¹;
¹Universidade Federal de São Carlos, ²UNIVERSIDADE FEDERAL DE SÃO PAULO - Campus Baixada Santista, ³Université de Rennes 1
- 17:45 Studies on the Langmuir–Blodgett film and luminescent properties of Europium(III) Schiff base complex** **J.P2.120**
Letícia Pereira Dote¹, Luciano Caseli¹, Lucinéia Ferreira Ceridório¹, Ana Paula de Azevedo Marques²; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Universidade Federal de São Paulo
- 17:45 Magnetic nanoadsorbents for wastewater treatment process** **J.P2.114**
Helton Pereira Nogueira¹, Alceu Totti Silveira Junior¹, Sergio Hiroshi Toma¹, Henrique Eisi Toma¹, Koiti Araki¹; ¹Instituto de Química - USP
- 17:45 Influence of Zr⁴⁺ on the photocatalytic properties of the SrSn_{1-x}Zr_xO₃ system** **J.P2.127**
Gislayne Sabrina de Lira Paes¹, Katiane Judy Batista Da Costa², Emanuela Coutinho Luna¹, Joandson Aníbal de Sousa¹, Simone da Silva Simões¹, Márcia Rejane Santos da Silva², Valderi Duarte Leite¹, Antônio Gouveia de Souza², Iêda Maria Garcia Santos², Mary Cristina F Alves¹; ¹Universidade Estadual da Paraíba, ²Universidade Federal da Paraíba

- 17:45 Composites Based on Chitosan and Oils: Synthesis, Characterization and Application as Adsorbent** **J.P2.116**
 Clayane Carvalho Santos¹, Suringo Sousa Falcão², Elson Longo³, Paula Fabiana Santos Pereira⁴, Cicero W. B. Bezerra²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal do Maranhão, ³Universidade Estadual Paulista "Júlio de Mesquita Filho", ⁴UNESP-Araraquara
- 17:45 Chamotte clay a potential low cost adsorbent to be used in biodiesel purification** **J.P2.161**
Flávia Danielle Santos¹, Leyvison Rafael Vieira da Conceição¹, Maria Eleonora Andrade de Carvalho¹, Heizir Ferreira de Castro¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Influence of surface preparation on hull repairs of FPSO's using composite adhesive patch** **J.P2.118**
Ivan Lima¹, Livia Pacheco¹, Silvio de Barros¹; ¹Centro Federal de Educação Tecnológica
- 17:45 Textural characterization and adsorption capacity studies of membrane components** **J.P2.124**
Sunday Joseph Olusegun¹, Luiz Fernando de Sousa Lima¹, Nelcy Della Santana Mohallem¹; ¹Universidade Federal de Minas Gerais
- 17:45 Study of controlled release of phosphorus using zein coatings: the kinetic aspects of phosphorus release** **J.P2.102**
Vanderlei Roncato¹, Ricardo Bortoletto-Santos², Wagner Luiz Polito³, Cauê Ribeiro Oliveira¹; ¹Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos, ²Empresa Brasileira de Pesquisa Agropecuária, ³Instituto de Química de São Carlos
- 17:45 W-doped TiO₂ photocatalyst** **J.P2.119**
Marcelo Vianna Nogueira¹, Vinícius Teodoro¹, Maria Ap. Zaghet¹, Elias Monteiro Souza¹, José A. Varela¹, Leinig Antonio Perazolli¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 CaZr_xSn_{1-x}O₃ system applied in the photocatalytic of remazol golden yellow dye** **J.P2.162**
Cynthia Ribeiro Guimarães¹, Erica Silva dos Santos Alves¹, Mary Cristina F Alves^{1,2}, Márcia Rejane Santos da Silva², Iêda Maria Garcia Santos², Antônio Gouveia de Souza², Valderi Duarte Leite¹, Simone da Silva Simões¹; ¹Universidade Estadual da Paraíba, ²Universidade Federal da Paraíba
- 17:45 Ablation Properties of C/C Composite Tested In a Supersonic Plasma Wind Tunnel** **J.P2.163**
Cristian Cley Paterniani Rita^{1,2}, Humberto Araujo Machado³, Gilberto Petraconi Filho¹, Roberson José da Silva¹, Alexei Mikhailovich Essiptchouk⁴; ¹Instituto Tecnológico de Aeronáutica, ²Faculdade de Tecnologia de Pindamonhangaba, ³Instituto de Aeronáutica e Espaço, ⁴Universidade Estadual Paulista - Campus São José dos Campos
- 17:45 A Paramagnetic Ground State in Superconducting Spin Valves** **J.P2.139**
Ury Denver Chacón Hernandez¹, Marcos Antonio de Sousa¹, Magda Bittencourt Fontes¹, E. B. Saitovitch¹, Carsten Enderlein¹; ¹Centro Brasileiro de Pesquisas Físicas

- 17:45 Effects of thermal annealing on the optical and electrical properties on conductor transparent films based on silver nanowire networks** **J.P2.123**
Sandro Fernandes Firmino¹, Cristiano Jaeger Stradolini¹, Gabriela Pasa Panesso¹, Jorge Pimentel², Ricardo Meurer Papaléo¹, Fabiano Mesquita³, Raquel Silva Thomaz¹, Renato V. Gonçalves⁴, Pedro Migowski¹, Adriano F. Feil¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul, ²Universidade Federal do Rio Grande, ³Universidade Federal do Rio Grande do Sul, ⁴Instituto de Física de São Carlos - USP
- 17:45 Influence of synthesis conditions on the anticorrosive properties of PMMA-Silica hybrid coatings** **J.P2.142**
Mayara Carla Uvida¹, Fábio Cesar dos Santos¹, Sandra Helena Pulcinelli¹, Celso Valentim Santilli¹, Peter Hammer¹; ¹Instituto de Química, UNESP - Universidade Estadual Paulista, Araraquara-SP
- 17:45 Thermoplastic Starch as Raw Material to Paint Industry** **J.P2.109**
Sérgio Carvalho de Araújo¹, Mariane Alves de Andrade e Silva¹, Adilson Beatriz¹, Luiza Paula da Conceição Lopes², Hélio Merá de Assis²; ¹Universidade Federal de Mato Grosso do Sul, ²SENAI Mato Grosso do Sul
- 17:45 Plasma anodizing on aluminium alloy in alkaline solution containing sodium phosphate** **J.P2.146**
Rafael Resende Lucas¹, Deborah C.R. Santos¹; ¹Faculdade de Tecnologia de Pindamonhangaba
- 17:45 Thermal and structural characterization of sepiolite modified with two organic modifiers** **J.P2.148**
Walter Ruggeri Waldman¹, Lays Batista Fitaroni², Sandra Andrea Cruz³; ¹Universidade Federal de São Carlos - campus Sorocaba, ²Universidade Federal do ABC, ³Universidade Federal de São Carlos
- 17:45 Effect of tungsten composition on the formation, crystallinity and photocatalytic properties of nanotubular oxide layer grown on TiW alloy** **J.P2.92**
Verena Mandorino Kaminagakura¹, Marizilda Escudeiro Oliveira², Christiane de Arruda Rodrigues²; ¹Universidade Federal de São Paulo, ²Federal University of São Paulo
- 17:45 Synthesis and Characterization of Europium Doped Silver Orthophosphate** **J.P2.167**
Clayane Carvalho Santos¹, Wyllamanny da Silva Pereira¹, Gleice Botelho¹, Ivo Mateus Pinatti¹, Paula Fabiana Santos Pereira¹, Elson Longo²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Hydroxyapatite deposition by airbrush** **J.P2.149**
Raquel Rubia Bueno^{1,2}, Walter Miyakawa¹, José Guilherme Simões¹, Priscila M.S.C. Leite¹, Rudimar Riva¹; ¹Instituto de Estudos Avançados, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Adjusting the polyol reaction conditions to obtain a quasi-monodisperse silver nanowires solution** **J.P2.150**
Gabriela Pasa Panesso¹, Cristiano Jaeger Stradolini¹, Raquel Silva Thomaz¹, Pedro Migowski¹, Adriano F. Feil¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Evaluation of Penicillium candidum influenced biocorrosion of 304 steel textured by laser** **J.P2.169**
Maria Fernanda Romeu Lino de Souza^{1,2}, José Guilherme Simões¹, Anelise C.O.C. Doria³, Priscila M.S.C. Leite³, Rudimar Riva¹, Walter Miyakawa¹; ¹Instituto de Estudos Avançados, ²Universidade Federal de São Paulo - Campus São José dos Campos, ³Universidade do Vale do Paraíba

- 17:45 Preparation of redispersible polymer latex by emulsion copolymerization of N,N-diethylaminoethyl methacrylate (DEAEMA) with styrene (STy) and n-butyl acrylate (BA)** **J.P2.131**
 Erick Gabriel Ribeiro dos Anjos¹, Andreia Ferreira Cobianchi², Maurício Pinheiro de Oliveira¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade Federal de São Paulo
- 17:45 Evaluation of the Degradation Process in Pure Concrete and with 5 and 10% of Eggshell Additive and Analysis via Scanning Electron Microscopy** **J.P2.166**
Ana Carolina Rodrigues Ribeiro¹, Rosinei Batista Ribeiro¹, Gilbert Silva², Pâmela Sabrina Bento¹, José Wilson de Jesus Silva¹, Felipe Pinheiro Souza³; ¹Faculdades Integradas Teresa D'ávila, ²Universidade Federal de Itajubá, ³centro universitário salesiano
- 17:45 XRD2 beamline of LNLS: a versatile tool for structural analysis of advanced materials** **J.P2.134**
Márcio Medeiros Soares¹, Douglas Roca Santo¹, Antonio Augusto Malfatti Gasperini¹; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Synthesis employed sol-gel process and heterogeneous photocatalysis applications of TiO₂ precursor silver-doped** **J.P2.156**
Amanda Santos de Lima¹, Cíntia Andreia Alves Pereira¹, Mariana Riboli Nava¹, Rubiane Ganascim Marques¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Corrosion Behavior of Zn-Al Layered Double Hydroxide Superhydrophobic Films Directly Grown on Aluminum** **J.P2.171**
 João Luís da Silva Júnior¹, Hugo Freitas Pimentel¹, Oscar Olimpico Araujo Filho¹, Marina Fuser Pillis², Edval Gonçalves Araújo¹; ¹Universidade Federal de Pernambuco, ²Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Incorporation of carbon nanotubes in polymeric fibers** **J.P2.170**
Andressa Giombelli Rosenberger¹, Franciele Fernanda Da Silva¹, Janice Caroline Hardt¹, Douglas Cardoso Dragunski¹, Josiane Caetano¹; ¹Universidade Estadual do Oeste do Paraná
- 17:45 Microstructure and Wettability of Polyamide coated with organosilicon films** **J.P2.172**
Caíque Vendemiatti Vendemiatti¹, Ricardo Shindi Hosokawa¹, José R. Ribeiro Bortoleto¹, Nilson Cristino Cruz¹, Elidiane Cipriano Rangel¹; ¹UNESP - Campus Sorocaba
- 17:45 Synthesis of Metal-Organic Frameworks for adsorption of Polycyclic Aromatic Hydrocarbons** **J.P2.165**
Thaianne Esquierdo Silva¹, Geise Ribeiro¹, Denise de Oliveira Silva²; ¹Universidade Federal de Itajubá, ²Instituto de Química - USP
- 17:45 Tuning photodegradation pathway of rhodamine B by trapping SnO₂ nanoparticles in polystyrene foams** **J.P2.152**
Geovânia Cordeiro de Assis¹, Euzebio Skovroinski², Marcelo de Oliveira Rodrigues³, Valderi Duarte Leite¹, Mary Cristina F Alves¹, Rodrigo José de Oliveira¹; ¹Universidade Estadual da Paraíba, ²Universidade Federal de Pernambuco, ³Universidade de Brasília
- 17:45 CO₂ laser beam covering with WC and graphite on 4340 steel** **J.P2.133**
Getúlio Vasconcelos¹, Silvelene Alessandra Silva¹, Leticia Sabioni Yamin¹, Vitor Ribeiro¹; ¹Instituto de Estudos Avançados

17:45 ANALYSIS OF MECHANICAL INSTABILITY WITH THE INFLUENCE OF MOISTURE ABSORPTION OF GFR COMPOSITE
Ricardo Alex Dantas Cunha¹, Rayane Dantas da Cunha², Talita Galvão Targino², jose ubiragi lima mendes²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Rio Grande do Norte

J.P2.117

SYMPOSIUM K - Structure-properties Relationship of Advanced Metallic Materials

Symposium organizers:

Leonardo Barbosa Godefroid (*UFOP*)

Waldek Wladimir Bose Filho (*USP*)

Luiz Carlos Rolim Lopes (*UFF*)

Tuesday, September 27th

Poster presentations

SESSION K.P1 (17:45 - 19:30)

- 17:45 An Experimental Study of the Influence of Solidification Thermal Variables upon Microstructure of Al-Si-Cu Alloys** **K.P1.1**
Maurício Silva Nascimento¹, Antonio Tadeu Rogerio Franco¹, Francisco Yastami Nakamoto¹, Carlos Frajuca¹, Givanildo Alves dos Santos¹, Antonio Augusto Couto^{2,3}; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Presbiteriana Mackenzie, ³Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Investigation on sintering temperature of Aluminum Bronze alloy obtained by powder metallurgy with addition of niobium carbide** **K.P1.2**
Alexandre Nogueira Ottoboni Dias¹, Claudiney de Sales Pereira Mendonça¹, Leonardo Albergaria Oliveira¹, Geovani Rodrigues¹, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Study of high energy milling time of the Aluminum Bronze alloy obtained by powder metallurgy with niobium carbide addition** **K.P1.3**
Alexandre Nogueira Ottoboni Dias¹, Aline da Silva¹, Claudiney de Sales Pereira Mendonça¹, Geovani Rodrigues¹, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Comparative study of application of lubrication in the machining gives nickel base superalloy (Inconel 718)** **K.P1.4**
micael maximo almeida¹, Renann Pereira Gama², Renato Araújo Barros³, Renan Pereira Gama⁴; ¹Universidade salesiana de são paulo, ²FEG, ³UNESP, ⁴centro universitário salesiano
- 17:45 Gamma prime evolution during heat treatments of MAR-M246 superalloy** **K.P1.5**
Renato Baldan¹, Antonio Augusto Araujo Pinto Silva², Carlos Angelo Nunes³, Antonio Augusto Couto⁴, Sinara Borborema Gabriel⁵, Luciano Alkmin⁶; ¹UNESP-Câmpus de Itapeva, ²Universidade Federal de Itajubá, ³Universidade de São Paulo, ⁴Instituto de Pesquisas Energéticas e Nucleares, ⁵Universidade do Estado do Rio de Janeiro, ⁶Campus Angra dos Reis, CEFET-RJ - Centro Federal de Educação Tecnológica Celso Suckow da Fonseca
- 17:45 Texture evolution in Deformed Zinc Alloys by Necae Method** **K.P1.6**
Priscila Rodrigues Verneck¹, Raúl Eduardo Bolmaro²; ¹Universidade Federal Fluminense, ²Universidad Nacional de Rosario
- 17:45 Parametrization of hot plastic deformation curves of AISI 316L austenitic stainless steel** **K.P1.7**
RAFAEL FERREIRA FERREIRA¹, Gedeon Silva Reis¹, Carmem Célia Francisco do Nascimento¹, Eden Santos Silva²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Unidade de Ensino Superior Dom Bosco
- 17:45 Creep evaluation of Ti-6Al-4V alloy with SiC thin film at 650 °C** **K.P1.8**
Tarcila Sugahara¹, Gislene Valdete Martins², Fabiano Emmanuel Montoro³, Marcos Massi¹, Danieli Aparecida Pereira Reis¹; ¹Universidade Federal de São Paulo, ²Instituto Tecnológico de Aeronáutica, ³Centro Nacional de Pesquisa em Energia e Materiais

- 17:45 ANALYSIS OF MACHINABILITY CORRELATED WITH AS-CAST STRUCTURE OF AN Al-1.2wt%Pb ALLOY SOLIDIFIED IN A HORIZONTAL DEVICE** **K.P1.9**
Camila Negrão Konno¹, Brena Raiara Correa Barradas², Maria Adrina Paixão de Sousa da Silva², Cibele Vieira Arão da Silva², Paulo Lourenço Monteiro Junior²; ¹Universidade Estadual de Campinas, ²Universidade Federal do Pará
- 17:45 Microstructure and microhardness dependence on solidification thermal parameters of a wear resistant alloy from Al-Bi-Mg ternary system** **K.P1.10**
Mariana Mazetto Gazola¹, Thiago Antônio Paixão de Souza Costa¹, Thiago Soares Lima¹, Crystopher Cardoso de Brito², Noé Cheung¹, Amauri Garcia¹; ¹Universidade Estadual de Campinas, ²Universidade Federal de São Paulo
- 17:45 MICROSTRUCTURE AND HARDNESS OF HOT ROLLED SINTERED NITINOL** **K.P1.11**
Marcus Nathan Silvestre¹, Peterson Ferrandini¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 The Influence of Temperature of Work and Strain Rates upon Grain Size of the ASTM F138 alloy** **K.P1.12**
Ylich Peter Schmitt¹, Wagner Figueiredo¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 Microstructural analysis of a tool steel AISI A2 submitted to different thermal routes, with and without plastic deformation.** **K.P1.13**
Eduarda Peinado Moraes¹, Rodrigo Velasco Christovam¹, Peterson Ferrandini¹, Rodrigo Yokoyama Xavier¹; ¹UNESP Guaratinguetá
- 17:45 Comparison of carbon and stainless steel as filler metal in the welding of AISI 304 stainless steel and SAE 1020 carbon steel** **K.P1.14**
Luis Gustavo Costa e Silva¹, Sandro Silva¹, Marcus Nathan Silvestre¹, Peterson Ferrandini¹; ¹UNESP Guaratinguetá
- 17:45 Sintering characteristics and properties of Carbide WC-AISI316L (stainless steel) with carbon addition** **K.P1.15**
Daniel Assis Amâncio¹, José Veríssimo Ribeiro de Toledo¹, Edmilson Otoni Correa¹; ¹Universidade Federal de Itajubá
- 17:45 Use of Diffraction Electron backscatter technique in Microstructural Characterization of Materials** **K.P1.16**
Daniel Assis Amâncio¹, José Veríssimo Ribeiro de Toledo¹, Edmilson Otoni Correa¹; ¹Universidade Federal de Itajubá
- 17:45 WELDING FOR FSW (FRICTION STIR WELDING) OF THE ALUMINUM ALLOY 6063T6 USING A TOOL CIRCULAR** **K.P1.17**
 WEBER DE MELO MESQUITA¹, KLEBER RIBEIRO DA SILVA¹, CARLOS ALBERTO CARVALHO CASTRO², José Veríssimo Ribeiro de Toledo³, Daniel Assis Amâncio³, Paulo Henrique Paulista⁴; ¹Fundação de Ensino e Pesquisa de Itajubá, ²Centro Federal de Educação Tecnológica, ³Universidade Federal de Itajubá, ⁴FEPI - Centro Universitário de Itajubá
- 17:45 WELDING FOR FSW (FRICTION STIR WELDING) OF THE ALUMINUM ALLOY USING A CONICAL TOOL** **K.P1.18**
 WEBER DE MELO MESQUITA¹, KLEBER RIBEIRO DA SILVA¹, CARLOS ALBERTO CARVALHO CASTRO², José Veríssimo Ribeiro de Toledo³, Daniel Assis Amâncio³, Paulo Henrique Paulista⁴; ¹Fundação de Ensino e Pesquisa de Itajubá, ²Centro Federal de Educação Tecnológica, ³Universidade Federal de Itajubá, ⁴FEPI - Centro Universitário de Itajubá

- 17:45 Synthesis and Characterization of Bimetallic Nanoparticles** **K.P1.19**
Lina Dayse Rodrigues Moreira¹, Dayane Batista Tada¹; ¹Universidade Federal de São Paulo
- 17:45 Horizontal transient solidification of Al-11wt.% Si alloy: correlation between columnar-to-equiaxed transition and thermal parameters** **K.P1.20**
Gianfranco de Mello Stieven¹, Daniele dos Reis Soares¹, José Augusto França Rodrigues¹, Otávio Fernandes Lima da Rocha², Maria Adrina Paixão de Sousa da Silva, Antonio Luciano Seabra Moreira¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Propagation behavior of adhesive joints under mode II fatigue loading using energy-balance approach** **K.P1.21**
Paulo Pedro Kenedi¹, Jonnas Santos Alves¹, Silvio de Barros¹; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca
- 17:45 Creep behavior of the Ti-6Al-4V alloy with martensitic structure** **K.P1.22**
Ingrid Regina dos Santos Lacerda¹, Fabrícia Assis Resende¹, Danieli Aparecida Pereira Reis¹; ¹Universidade Federal de São Paulo
- 17:45 The study of fatigue in bolts manufactured by different thermal treatments in Inconel 718** **K.P1.23**
Tales Martins Silva¹, Renato Chaves Souza¹, Givanildo Alves dos Santos¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 The invar effect studied by time resolved x-ray diffraction** **K.P1.24**
Carlos William Galdino¹, Carlos Giles¹, George Nicolas Kontogiorgos¹, Letícia Nunes Coelho², Kelin Regina Tasca¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Universidade de Brasília
- 17:45 Metal characterization of drive shaft of a Starter-generator applied on helicopters** **K.P1.25**
Daniel Rodrigues Oliveira¹, Ivênio Teixeira de Souza²; ¹Universidade Federal do Rio de Janeiro, ²Universidade Federal Fluminense
- 17:45 The effect silicon element on the formation of the macrostructure of horizontally solidified multicomponent Al-Cu-Si alloys** **K.P1.26**
Marlo Costa Oliveira¹, Igor Alexsander Barbosa Magno², Fabricio Vinicius Andrade de Souza¹, Jacson Malcher Nascimento², Otávio Fernandes Lima da Rocha²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Pará
- 17:45 Comparative analysis of relationship between microstructure and mechanical properties of austempered ductile cast iron.** **K.P1.27**
Luciano Lobo de Almeida Baracho¹, Luiz Carlos Rolim Lopes, Fabiane Roberta Freitas Da Silva¹, Vinicius Cardilo Alves¹, Gláucio Soares da Fonseca¹, Ricardo Henriques Leal¹, Pedro Akiana Couto Borges¹, Eder dos Reis Silva; ¹Universidade Federal Fluminense
- 17:45 Microstructural evolution and microhardness evaluation of Al-3.2wt.%Bi-3wt.%Ni ternary alloy and their correlation with solidification thermal parameters** **K.P1.28**
Priscylla Ferreira Santos¹, Thiago Antônio Paixão de Souza Costa², José Marcelino da Silva Dias Filho², Sandro Griza¹, Noé Cheung², Amauri Garcia²; ¹Universidade Federal de Sergipe, ²Universidade Estadual de Campinas
- 17:45 Microstructure Evolution and Mechanical Properties of a Sn-Cu Lead Free Solder Alloy Solidified Under Transient Conditions** **K.P1.29**
Thiago Soares Lima¹, Rafael Kakitani¹, José Marcelino da Silva Dias Filho¹, Clarissa Barros da Cruz¹, Amauri Garcia¹, Noé Cheung¹; ¹Universidade Estadual de Campinas

- 17:45 EXPERIMENTAL APPLICATION USING SHADOW MOIRÉ TECHNIQUE IN TENSILE TEST K.P1.30**
Isac Kiyoshi Fujita¹, Inacio Maria dall Fabbro², Jonathan Gazzola³, Gabriela Kurokawa E Silva², Givanildo Alves dos Santos¹, Francisco Yastami Nakamoto¹, Antonio Augusto Couto⁴; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Estadual de Campinas, ³Universidade Federal de São Carlos - campus Lagoa do Sino, ⁴INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 PROPOSAL OF MINIMUM CUTTING SPEED BY TEMPERATURE ANALYSIS FOR AN Al-3 wt% Si ALLOY K.P1.31**
Jivago Vieira Muniz da Silva¹, Herivaldo Pascoal da Silva Filho¹, Samuel de Castro Silva¹, Domingos Sávio Tavares Mendes Júnior¹, Maria Adrina Paixão de Sousa da Silva¹; ¹Universidade Federal do Pará
- 17:45 ANALYSIS OF CUTTING TEMPERATURE IN FUNCTION OF CUTTING SPEED IN NECKING TEST OF AN Al-3.0wt%Si ALLOY K.P1.32**
Jivago Vieira Muniz da Silva¹, Tamires Isabela Botelho², Waldolirio Batista Sena³, Waldney João Paiva Sena⁴, Maria Adrina Paixão de Sousa da Silva¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará, ³Base Naval de Val de Cães, ⁴Instituto de Estudos Superiores da Amazônia
- 17:45 Behavior of ASTM A588 Grade B rolled steel after conventional heat treatments: microstructure and microhardness K.P1.33**
Daniele dos Reis Soares¹, Gianfranco de Mello Stieven¹, Jorge Teófilo Barros Lopes¹; ¹Universidade Federal do Pará
- 17:45 Influence of microstructure on the mechanical behavior of a ternary Al-Cu-Ni alloy K.P1.34**
Adilson Vitor Rodrigues^{1,2}, Washington Luis Santos², Crystopher Cardoso Brito³, Pedro Roberto Goulart¹, Amauri Garcia², Noé Cheung²; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Estadual de Campinas, ³Universidade Federal de São Paulo
- 17:45 Corrosiveness of natural waters in industrial pipes in the South of Brazil K.P1.35**
Steffany Rincon Peters¹, Sabrina Neves da Silva¹, Luciana Machado Rodrigues¹; ¹Fundação Universidade Federal do Pampa
- 17:45 The effect of Na₂B₄O₇·10H₂O (Borax) in the formation of vanadium carbide (VC) layer on tool steels. K.P1.36**
Djoille Denner Damm¹, Andre Contin², Kalil Almeida Figueiredo³, Ariel Estole Nunes de Andrade⁴, Raonei Alves Campos⁵, Vladimir Jesús Trava-Airoldi², Danilo Maciel Barquete³, Evaldo José Corat²; ¹Universidade Federal de São Paulo, ²Instituto Nacional de pesquisas espaciais, ³Universidade Estadual de Santa Cruz, ⁴Faculdade de Tecnologia Cetep, ⁵Universidade Federal do Sul e Sudeste do Pará
- 17:45 Influence of plastic deformation degree on aging time and mechanical properties of aluminium alloy AA2024 K.P1.37**
MARCELO LUIS SIQUEIRA¹, Mirian de Lourdes Noronha Motta Melo¹; ¹Universidade Federal de Itajubá
- 17:45 Investigation on sintering temperature of 7075 T6 Aluminum alloy Obtained by powder metallurgy with addition of vanadium carbide K.P1.38**
Leonardo Albergaria Oliveira¹, Claudiney de Sales Pereira Mendonça¹, Alexandre Nogueira Ottoboni Dias¹, Gilbert Silva¹, Edmilson Otoni Corrêa¹; ¹Universidade Federal de Itajubá

- 17:45 Influence of a reactive Ni substrate on thermal parameters, microstructure and microhardness during directional solidification of the Sn-5.5wt.%Sb solder alloy** **K.P1.39**
Joanisa Possato Curtulo¹, Clarissa Barros da Cruz¹, José Marcelino da Silva Dias Filho¹, Thiago Antônio Paixão de Souza Costa¹, Thiago Soares¹, Rafael Kakitani¹, Noé Cheung¹, Amauri Garcia¹; ¹Universidade Estadual de Campinas
- 17:45 Formation of pits in martensitic stainless steels at different tempering temperatures** **K.P1.40**
Neide Aparecida Mariano¹, Ana Laura Rueda¹, Carolina Del Roveri¹, Lucíola Lucena de Sousa¹, Mérlin Cristina dos Santos Fernandes¹, Stephania Capellari De Rezende¹, Guilherme Vilela Ferreira¹, Sandra Nakamatsu²; ¹Universidade Federal de Alfenas, ²Universidade Federal de Itajubá
- 17:45 Investigation nickel-phosphorous black coating for solar absorber** **K.P1.41**
Franciele Carlesso¹, Luiz Angelo Berni¹, Luis Eduardo Antunes Vieira¹, Graziela da Silva Savonov¹, Edson Luiz de Miranda¹; ¹Instituto Nacional de Pesquisas Espaciais
- 17:45 MACHINABILITY ANALYSIS OF THE COLUMNAR ZONE OF AN Al-7.0wt.%Si ALLOY SOLIDIFIED IN A HORIZONTAL DIRECTIONAL DEVICE** **K.P1.42**
Paulo Lourenço Monteiro Junior¹, Maria Adrina Paixão de Sousa da Silva¹, Igor Ricardo Prado da Silva¹, Cássio Augusto Pinto da Silva², Iago Ricardo Machado Leal¹; ¹Universidade Federal do Pará, ²Universidade Estadual de Campinas
- 17:45 Evaluation of the influence of cementation Solid and heat treatments on the hardness of the carbon steel** **K.P1.43**
Igor Alexsander Barbosa Magno¹, André Santos Barros¹, Fabricio Vinicius Andrade de Souza², Marlo Costa Oliveira², José Maria do Vale Quaresma¹, Jacson Malcher Nascimento¹; ¹Universidade Federal do Pará, ²Instituto Federal do Pará
- 17:45 Evaluation of the thickness effect on the microstructure and microhardness of the aerospace application alloy Ti-6Al-4V after different thermal treatments.** **K.P1.44**
Marcio Sangali Cristino da Silva¹, Leandro Campos Vargas¹, Renato Chaves Souza¹, Roberto Nunes Duarte¹, Sandra Nakamatsu², Neide Aparecida Mariano²; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Mg
- 17:45 Analysis of distortion and corrosion in welded structural profile steel** **K.P1.45**
Josemairon Prado Pereira^{1,2}, Gilberto Magalhães Bento Gonçalves^{1,2}; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Faculdade de Engenharia - Campus de Bauru
- 17:45 Correlation between Microstructure and Mechanical Properties of Al-Si-Cu Alloys Casting** **K.P1.46**
Maurício Silva Nascimento¹, Antonio Tadeu Rogerio Franco¹, Francisco Yastami Nakamoto¹, Carlos Frajuca¹, Givanildo Alves dos Santos¹, Antonio Augusto Couto^{2,3}; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Presbiteriana Mackenzie, ³Instituto de Pesquisas Energéticas e Nucleares

- 17:45 The influence of the microstructure upon corrosion resistance of an Al-10wt% Si-5wt%Cu alloy** **K.P1.47**
Alexandre Neves Ribeiro¹, Givanildo Alves dos Santos¹, Francisco Yastami Nakamoto¹, Claudete Kallas¹, Antonio Augusto Couto^{2,3}, Hercílio Gomes de Melo⁴, Rocío Del Pilar Bendezú Hernandez⁴; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Presbiteriana Mackenzie, ³INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES, ⁴Universidade de São Paulo
- 17:45 The effect of the microstructure upon corrosion resistance of an Al-10wt% Si-2wt%Cu alloy** **K.P1.48**
Alexandre Neves Ribeiro¹, Claudete Kallas¹, Givanildo Alves dos Santos¹, Francisco Yastami Nakamoto¹, João Roberto Moro¹, Antonio Augusto Couto^{2,3}, Hercílio Gomes de Melo⁴; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Presbiteriana Mackenzie, ³INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES, ⁴Universidade de São Paulo
- 17:45 Optimization of Heat Treatment of Aluminum Alloys using techniques of Artificial Neural Networks (ANN)** **K.P1.49**
Paulo Junho Oliveira¹, Mirian de Lourdes Noronha Motta Melo¹, Renato Sergio Mello Silva², Carlos Cleverton Oliveira Santos¹; ¹Universidade Federal de Itajubá, ²Fundação de Ensino e Pesquisa de Itajubá
- 17:45 Study of mechanical properties and microstructure of a steel stainless duplex aged.** **K.P1.50**
Gustavo de Souza Machado¹, Rodrigo Henrique da Silva Rocha¹, Felipe Souza Eloy¹, Carlos Alberto Rodrigues¹, Aureliano Rodrigues Barborati Ribeiro¹, Claudiney de Sales Pereira Mendonça¹, Mirian de Lourdes Noronha Motta Melo¹; ¹Universidade Federal de Itajubá
- 17:45 Validation of the relationship Hall-Petch for aluminum alloy 7075** **K.P1.51**
Edwin Gilberto Medina¹, Aline da Silva¹, Yina Faizully Quintero^{1,2}, Antonio Augusto Araujo Pinto Silva¹, Mirian de Lourdes Noronha Motta Melo¹; ¹Universidade Federal de Itajubá, ²Universidad Federal Itajuba
- 17:45 Laser thermal treatment of DP600 and TRIP750 automotive multiphase steels** **K.P1.52**
Paula Cardoso Lauer^{1,2}, Davi Neves¹, Milton Sergio Fernandes de Lima¹, Rudimar Riva¹, Walter Miyakawa¹; ¹Instituto de Estudos Avançados, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Structural analysis of the rotor of a high speed turbogenerator** **K.P1.53**
Rodrigo Teixeira Bento¹; ¹Faculdade de Tecnologia Termomecânica
- 17:45 Study of microstructural evolution of the alloy 2024 during homogenization** **K.P1.54**
Aline da Silva¹, Carlos Alberto Rodrigues¹, Edwin Gilberto Medina¹, José Maurício Pereira dos Santos¹, Mirian de Lourdes Noronha Motta Melo¹; ¹Universidade Federal de Itajubá
- 17:45 Effect of aging time at 475oC on the mechanical properties of a UNS S32304 Duplex Stainless Steel** **K.P1.55**
Leonardo Barbosa Godefroid¹, Eliza Wilk Reis Almeida¹, Thompson Júnior Ávila Reis²; ¹Universidade Federal de Ouro Preto, ²SENAI Centro de Inovação e Tecnologia

- 17:45 METAL ACTIVE GAS WELDING OF A HIGH-STRENGTH LOW-CARBON ALLOY (HSLA) 900 MPA: STUDY OF THE CORRELATION BETWEEN HEAT INPUT, MICROHARDNESS AND MICROSTRUCTURE** **K.P1.56**
Mainã Portella Garcia¹, Gerson Luiz Mantovani¹, Renato Altobelli Antunes¹;
¹Universidade Federal do ABC
- 17:45 Tool wear analysis in finish milling of steel AISI 1045 using wiper geometry insert** **K.P1.57**
 José Veríssimo Ribeiro de Toledo¹, Carlos Alberto Rodrigues¹, Adriano Cássio Baldim¹, Marcos Cirilo dos Santos¹, Daniel Assis Amâncio¹, Sebastião Carlos da Costa¹, João Roberto Ferreira¹; ¹Universidade Federal de Itajubá
- 17:45 Analysis of surface finish after turning process of the steel AISI 52100 hardened** **K.P1.58**
 José Edmilson Martins Gomes¹, José Veríssimo Ribeiro de Toledo¹, Marcos Cirilo dos Santos¹, Mirian de Lourdes Noronha Motta Melo¹, João Roberto Ferreira¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Preparation of nano WC particles with addition of 316 L stainless steel by high energy milling** **K.P1.59**
Daniel Assis Amâncio¹, José Veríssimo Ribeiro de Toledo¹, Ana Maria Rocha Senos², Cristina Maria Fernandes², Edmilson Otoni Corrêa¹; ¹Universidade Federal de Itajubá, ²Universidade de Aveiro
- 17:45 Reuse of solid waste of rectifies of the piston rings by powder metallurgy**
José Maurício Pereira dos Santos¹, Aline da Silva¹, Gilbert Silva¹, Mirian de Lourdes Noronha Motta Melo¹; ¹Universidade Federal de Itajubá

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION K.OR1 (09:45 - 10:45) - Room Amoreiras III

- 09:45 Multiscale Modeling of Fracture and the Use of Subsize Specimens in Cleavage Fracture Assessments** **K.OR1.1***
Claudio Ruggieri¹; ¹University of São Paulo, São Paulo, Brazil
- 10:15 Fracture toughness assessment of two X80-5L-API steels with different microstructural features** **K.OR1.2**
Fábio Faria Conde^{1,2}, Julian Arnaldo Avila Diaz^{1,2}, Johnnatan Rodríguez², Fernando Franco³, Haroldo Cavalcanti Pinto¹, Antonio J. Ramirez⁴;
¹Universidade de São Paulo, ²Centro Nacional de Pesquisa em Energia e Materiais, ³Universidad del Valle, ⁴Ohio State University

SESSION K.OR2 (11:15 - 12:00) - Room Amoreiras III

- 11:15 Study on the applicability of Friction Stir Spot Welding of AA6060-T5 using the Taguchi method** **K.OR2.4**
Carlos Gracioli Aita¹, Tonilson de Souza Rosendo¹, Aldoni Gabriel Wiedenhof¹, Isadora Góss¹, Marco Durlo Tier¹; ¹Fundação Universidade Federal do Pampa
- 11:30 Accessing the endurance limit by a thermography method** **K.OR2.5**
carlos Filipe Cardoso Bandeira¹, Paulo Pedro Kenedi¹, Jaime Tupiassú Pinho de Castro²; ¹Centro Federal de Educação Tecnológica Celso Suckow da Fonseca, ²Pontifícia Universidade Católica do Rio de Janeiro
- 11:45 Influence of Cubic Boron Nitride (CBN) content on the wear and tool life in PCBN tools for hardened steels machining applications.** **K.OR2.6**
Marcos de Aguiar Guimarães¹, Givanildo Alves dos Santos¹, Francisco Yastami Nakamoto¹, Antonio Augusto Couto^{2,3}; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Presbiteriana Mackenzie, ³Instituto de Perquisas Energéticas e Nucleares

SESSION K.OR3 (14:00 - 16:15) - Room Amoreiras III

- 14:00 Effects of the Hexagonal Martensite Decomposition and Phase Precipitation on Mechanical Properties near-eutectoid Ti-Cu Alloy** **K.OR3.7**
Rodrigo José Contieri¹, Alessandra Cremasco¹, Eder Lopes¹, Raj Banerjee², Deep Choudhuri², Rubens Caram¹; ¹University of Campinas, ²University of North Texas
- 14:15 Influence of martensitic transformation and dislocation density on the hydrogen embrittlement in duplex stainless steel 2205** **K.OR3.8**
John Jairo Hoyos¹, Johnnatan Rodríguez¹, Pedro da Silva Craidy², Marcelo T.P. Paes², André Paulo Tschiptschin¹, Antonio J. Ramirez³; ¹Brazilian Nanotechnology National Laboratory, ²PETROBRAS, ³Department of Materials Science and Engineering, Ohio State University
- 14:30 Corrosion resistance of duplex stainless steel friction stir welds by potentiodynamic measurements and immersion tests.** **K.OR3.9**
Tiago F.A. Santos¹, Larissa A.S.C. Oliveira¹, Diogo L. A. Silva¹, Severino L. Urtiga Filho¹, Antonio J. Ramirez²; ¹Universidade Federal de Pernambuco, ²Ohio State University
- 14:45 EFFECT OF TITANIUM NITRIDE ON PITTING CORROSION IN A SUPERMARTENSITIC STAINLESS STEEL** **K.OR3.10**
César Augusto Duarte Rodrigues¹, Bárbara Branquinho Duarte², RAFAEL MARINHO BANDEIRA², Germano Tremiliosi-Filho², Alberto Moreira Jorge Junior³; ¹Hidrofex LTDA, ²Instituto de Química de São Carlos, ³Universidade Federal de São Carlos
- 15:00 Influence of Nb addition in γ/γ' structure Co base superalloys** **K.OR3.11**
alex matos da silva costa¹, Antonio J. Ramirez, Carlos Angelo Nunes, Eder Lopes, Marcus Vinicius Salgado, André Paulo Tschiptschin; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 15:15 Effect of Sb addition on the microstructure of Al-11wt.%Si alloy solidified under transient conditions** **K.OR3.12**
Rafael Kakitani¹, Thomas Jun Obara¹, Lucas Ribeiro Ramos¹, Amauri Garcia¹, Noé Cheung¹; ¹Universidade Estadual de Campinas

- 15:30 Characterization of dendritic microstructure and hardness of directionally solidified Al-Si-Ni eutectic alloy** **K.OR3.13**
Rafael Kakitani¹, Thiago Antônio Paixão de Souza Costa¹, Crystopher Cardoso Brito², Amauri Garcia¹, Noé Cheung¹; ¹Universidade Estadual de Campinas, ²Universidade Federal de São Paulo
- 15:45 Microstructural characterization of the Sn-Al eutectic solder alloy unidirectionally solidified on AISI 1020 and nickel substrates.** **K.OR3.14**
RICARDO Miranda de OLIVEIRA JUNIOR¹, José Marcelino da Silva Dias Filho¹, Clarissa Barros da Cruz¹, Thiago Antônio Paixão de Souza Costa¹, Thiago Soares Lima¹, Amauri Garcia¹, Noé Cheung¹; ¹Universidade Estadual de Campinas
- 16:00 Decarburization process in a SAE 9254 Spring Steel: influence of heat treatment parameters** **K.OR3.15**
Jéssica Cristina Costa de Castro¹, Sydney Ferreira Santos¹, Renato Altobelli Antunes¹; ¹Universidade Federal do ABC

Poster presentations

SESSION K.P2 (17:45 - 19:30)

- 17:45 Development of Annealing Parameter Process for Stress Relieving and Gas Nitriding for AISI 420 Steel Piston Rings** **K.P2.60**
Marcela Silva Lamoglia¹, Marcos Rolando Piccilli¹, Gilbert Silva¹;
¹Universidade Federal de Itajubá
- 17:45 Effect of Heat Treatment on Microstructure and Mechanical Properties of a Steel used in Cutlery** **K.P2.61**
Leonardo Barbosa Godefroid¹, Geraldo Lúcio Faria¹, Lorena Luiza Teixeira Oliveira¹, Valdeci Paula Alvarenga²; ¹Universidade Federal de Ouro Preto, ²APERAM South America
- 17:45 INFLUENCE OF AGING HEAT TREATMENT IN SIGMA PHASE FORMATION IN SUPERDUPLEX STAINLESS STEEL** **K.P2.62**
Wanderleiton da Silva Cardoso¹, Rivânia Hermógenes Paulino Romero¹, Danyelle Santos Ribeiro¹, Vitor Toniato Campana¹; ¹MULTIVIX VITORIA
- 17:45 Structural and Magnetic Properties of MnFe₂O₄ Nanoparticles by the Co-precipitation Method under Different Conditions.** **K.P2.63**
WALMIR ENO POTTKER¹, Patricia de la Presa², Rodrigo Ono¹, Felipe Almeida La Porta¹, Antonio Hernando²; ¹Universidade Tecnológica Federal do Paraná, ²Universidad Complutense de Madrid
- 17:45 INFLUENCE ON HIGH ENERGY MILLING PROCESS ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF A AISI 4340 ALLOY STEEL WITH NIOBIUM CARBIDE ADDITION** **K.P2.64**
Guilherme Botton Santos¹, Claudiney de Sales Pereira Mendonça¹, Aline Silva¹, Alexandre Nogueira Ottoboni Dias¹, Vander Alkmin Ribeiro Santos², Gilbert Silva¹; ¹Universidade Federal de Itajubá, ²Fundação de Ensino e Pesquisa de Itajubá

- 17:45 STUDY OF MAGNETIC PROPERTIES AND MICROSTRUCTURAL ANALYSIS OF INOX OBTAINED BY HIGH ENERGY MILLING** **K.P2.65**
Guilherme Botton Santos¹, Manoel Ribeiro da Silva¹, Claudiney de Sales Pereira Mendonça¹, Leonardo Albergaria Oliveira¹, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Structural and Morphological Properties of NiFe₂O₄ Nanoparticles Synthesized by Co-precipitation and Sol-Gel Method.** **K.P2.66**
Rodrigo Ono¹, WALMIR ENO POTTKER¹, Patricia de la Presa², Antonio Hernando², Felipe Almeida La Porta¹, Gabriel Ferreira Baptistone¹, Miguel Angel Cobos², György József Jaics³; ¹Universidade Tecnológica Federal do Paraná, ²Universidad Complutense de Madrid, ³University of Szeged
- 17:45 ELECTRICAL CONDUCTIVITY AND MICROSTRUCTURAL ANALYSIS OF COMPOSITE Cu-Ag-Cr-Al₂O₃ AFTER SINTERING ON POWDER METALLURGY PROCESSING** **K.P2.67**
Daniela Passarelo Moura da Fonseca¹, Waldemar Alfredo Monteiro¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 ROTARY FRICTION WELDING OF DISSIMILAR JOINTS AND BONDING INTERFACE CHARACTERIZATION BY EDX AND XPS** **K.P2.68**
Eder Paduan Alves¹, Christian Ávila Dollinger¹, Jossano Saldanha Marcuzzo², Mauricio Ribeiro Baldan³, Rafael Cardoso Toledo³, Francisco Piorino Neto¹, Chen Ying An³; ¹Instituto de Aeronáutica e Espaço, ²Instituto Nacional de pesquisas espaciais, ³Instituto Nacional de Pesquisas Espaciais
- 17:45 Real time analysis of anisotropic AuNps synthesis by Turkevich methods** **K.P2.69**
Maria Luiza de Oliveira Pereira¹, Daniel Grassescchi², Jorge da Silva Shinohara¹, Henrique Eisi Toma³; ¹Universidade de São Paulo, ²Universidade Presbiteriana Mackenzie, ³Instituto de Química da Universidade de São Paulo
- 17:45 Magnetic properties of a duplex stainless steel and its relation to the formation of sigma phase.** **K.P2.70**
Pedro de Souza Ciacco¹, Claudiney de Sales Pereira Mendonça¹, Mirian de Lourdes Noronha Motta Melo¹, Manoel Ribeiro da Silva¹, Heitor Conde Figueiredo¹; ¹Universidade Federal de Itajubá
- 17:45 Formation of Disordered Solid Solutions in High Entropy Alloys** **K.P2.71**
Carlos Rios Rios¹, Bianca Campos Gregorio², William de Paula Santos²; ¹Fundação Universidade Federal do Abc, ²Universidade Federal do ABC
- 17:45 COMPARISON OF THE PARTICLES SIZE OF X22 GRADE SUPERALLOY SCRAPS AFTER 60 HOURS OF MILLING WITH AND WITHOUT VANADIUM CARBIDE ADDITION** **K.P2.72**
Roberta Alves Gomes Matos¹, Carlos Alberto Rodrigues, Jonas Mendes, Bruna Horta Bastos Kuffner, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva; ¹Universidade Federal de Itajubá
- 17:45 Thermal variables and primary dendrite arm spacing of al 10 wt% sn alloy directionally solidified** **K.P2.73**
Jacson Malcher Nascimento¹, Angela de Jesus Vasconcelos¹, Igor Alexsander Barbosa Magno¹, Marlo Costa Oliveira², Fabricio Vinicius Andrade de Souza², Otávio Fernandes Lima da Rocha², Maria Adrina Paixão de Souza da Silva¹, André Santos Barros¹; ¹Universidade Federal do Pará, ²INSTITUTO FEDERAL DO PARÁ

- 17:45 EVOLUTION OF PARTICLE MORPHOLOGY OF CHIP SERIES ALLOY X22 AFTER HIGH ENERGY MILLING** **K.P2.74**
Roberta Alves Gomes Matos¹, Carlos Alberto Rodrigues, Jonas Mendes, Bruna Horta Bastos Kuffner, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva;
¹Universidade Federal de Itajubá
- 17:45 Comparative study of steel and polypropylene fibers reinforced concrete toughness factor in normal and aggressive environments** **K.P2.75**
Raimundo Expedito Vasconcelos¹, Kleber Roberto Matos da Silva¹, José Maria Braga Pinto¹, Syme Regina Souza Queiroz¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Correlation between the anisotropy properties (R and ΔR) and crystallographic texture of a microalloyed high-strength titanium steel, varying the annealing temperatures.** **K.P2.76**
Pablo Bruno Paiva Leão¹, Hamilton Ferreira Gomes de Abreu¹, Marcelo José Gomes da Silva¹; ¹Universidade Federal do Ceará
- 17:45 Influence of using the technique of minimal quantity of fluid (MQF) during the milling process, in the microhardness of the hardened steel SAE 4340** **K.P2.77**
Larissa Ribas de Lima Soares¹, Manoel Cleber de Sampaio Alves¹, Sarah David Müzel², Emanuele Schneider Callisaya¹, Carlino Carvalho de Almeida³, Giovanni Faus Salussolia¹, Marcel Yuzo Kondo¹; ¹UNESP Guaratinguetá, ²Universidade Estadual Paulista "Júlio de Mesquita Filho", ³UNESP-Câmpus de Itapeva
- 17:45 DILATOMETRIC STUDY OF PHASE TRANSFORMATIONS IN SAE 9254 SPRING STEEL DURING HEAT TREATMENT** **K.P2.78**
Silvano Leal Santos¹, Sydney Ferreira Santos¹; ¹Universidade Federal do ABC
- 17:45 Influence of iron contents on the tixoability of AA 356** **K.P2.80**
Claudomiro Alves¹, Bruna Vilas Boas², Rudimylla da Silva Septimio¹, Fabio Gatamorta²; ¹Universidade Estadual de Campinas, ²Universidade Paulista
- 17:45 Study of the milling process efficiency of the chips of duplex stainless steel UNS S31803 using vanadium carbide by high energy milling** **K.P2.81**
Claudiney de Sales Pereira Mendonça¹, Guilherme Botton Santos¹, Mirian de Lourdes Noronha Motta Melo¹, Vander Alkmin dos Santos Ribeiro², Valesca Donizeti de Oliveira¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá, ²Fundação de Ensino e Pesquisa de Itajubá
- 17:45 Effect of solidification parameters on the microstructure of a Bi-Zn lead-free solder alloy** **K.P2.82**
Rudimylla da Silva Septimio¹, Príscylla Ferreira Santos², Thiago Antônio Paixão de Souza Costa¹, Talita Almeida Vida de Brito¹, Amauri Garcia¹, Noé Cheung¹; ¹Universidade Estadual de Campinas, ²Universidade Federal de Sergipe
- 17:45 REUSE OF CHIPS OF THE STAINLESS STEEL USING THE HIGH ENERGY MILLING -THE ANALYSIS OF EXPERIMENTAL FACTORS ON MILLING USING A FULL FACTORIAL DESIGN.** **K.P2.83**
Claudiney de Sales Pereira Mendonça¹, Mirian de Lourdes Noronha Motta Melo¹, Leonardo Albergaria Oliveira¹, Alexandre Nogueira Ottoboni Dias¹, José Henrique de Freitas Gomes¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá

- 17:45 Secondary dendritic growth during upward vertical and horizontal directional solidification of Al-3wt.%Cu alloy castings** **K.P2.84**
André Santos Barros¹, Paulo Lourenço Monteiro Junior¹, Nardiny Diego Souza Alves¹, José Maria do Vale Quaresma¹, Otávio Fernandes Lima da Rocha², Antonio Luciano Seabra Moreira¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Feasibility of scaffold production using Ti-13Nb-13Zr alloy and naphthalene as space-holder** **K.P2.85**
Persio Mozart Pinto¹, Amanda Akemy Komorizono¹, Leonardo Antonini¹, Durval Rodrigues Jr.¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 SYNTHESIS AND PURIFICATION OF METHYL-PHTHALOCYANINES COPPER** **K.P2.86**
Carlos Alberto Mitio Hirano¹, Paulo Sergio Calefi¹, Anderson Orzari Ribeiro², Charles Biral Silva²; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade Federal do ABC
- 17:45 Analysis of the microstructure development of the AA 7075 aluminum alloy after cold rolling process** **K.P2.87**
Ágata Mayara Paula Pontes¹, Leonardo Albergaria Oliveira¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 POROSITY OF STEEL X₂₂ SINTERED AFTER 100 HOURS OF MECHANICAL ALLOYING WITH VANADIUM CARBIDE** **K.P2.88**
Michele Stanziola Knychala¹, Roberta Alves Gomes Matos¹, Jonas Mendes¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Processing of FeNiCrCuZn, FeNiCrCuZn(Nb)_{0,5}, FeNiCrCuZnNb high entropy alloys by mechanical alloying** **K.P2.89**
André Mello Bepe¹, Katia Regina Cardoso¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Texture evolution of niobium single crystal processed by interrupted ECAE** **K.P2.90**
Heide Heloise Bernardi¹, Hugo Ricardo Zschommler Sandim², Raúl Eduardo Bolmaro³; ¹Faculdade de Tecnologia de São José dos Campos Prof. Jessen Vidal, ²Universidade de São Paulo - Escola Engenharia Lorena, ³Universidad Nacional de Rosario-CONICET
- 17:45 Wear performance of epoxy resin and alumina-epoxy composite coatings applied in SAE1020 steel substrate used on accessories for subsea umbilicals** **K.P2.91**
Jhonny Dias Oliveira^{1,2}, André Gustavo de Sousa Galdino¹, Renan Carreiro Rocha¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Prysmian Cabos e Sistemas do Brasil S.A
- 17:45 JATOBÁ Beamline - High Energy In Situ X-Ray Diffraction and Tomography** **K.P2.92**
Leonardo Wu¹, Eduardo Bertoni da Fonseca¹, André Paulo Tschiptschin^{1,2}; ¹Brazilian Center for Research in Energy and Materials, ²Escola Politecnica da USP
- 17:45 Effect of heat treatments on the microstructure and hardness of a Ti-15Zr-xMo alloy.** **K.P2.93**
Caio Castanho Xavier^{1,2}, Carlos Roberto Grandini^{1,2}, Luís Augusto Rocha^{3,1,2}; ¹Faculdade de Ciências/Bauru, ²Brazilian Branch of the Institute of Biomaterials, Tribocorrosion and Nanomedicine, ³Universidade do Minho

- 17:45 INFLUENCE OF CUTTING PARAMETERS ON TOOL WEAR AND ROUGHNESS DURING THE PROCESS OF MACHINING OF STEEL STAINLESS MARTENSITIC AISI 410** **K.P2.94**
Marcelo Antunes de Paula¹, Marcos Valério Ribeiro¹, Renan Pereira Gama¹;
¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Development and characterization of Ti-10Mo-25Zr alloys for biomaterial applications** **K.P2.95**
Gabriela Piovesan Santiago Suárez¹, Raul Oliveira de Araújo¹, Carlos Roberto Grandini¹; ¹Faculdade de Ciências/Bauru
- 17:45 Quantitative analysis to characterize the Complex Phase steel microstructure using chemical reagent Nital** **K.P2.96**
Erica Ximenes Dias¹, Marcelo dos Santos Pereira¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 EVALUATION OF HEAT TRANSFER APPLIED TO THE WELDING OF DISSIMILAR METALS (ASTM A240-13C IN CARBON STEEL USI-AR-400)** **K.P2.97**
Marcos de Paula Cougo¹, Elisan dos Santos Magalhães¹, Sandro Metrevelle Marcondes de Lima Silva¹, Sebastião Carlos da Costa¹, Mirian de Lourdes Noronha Motta Melo¹, Gilbert Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Effect of thermal cycling in microstructure and mechanical properties of CuAg/SN100C Alloy** **K.P2.98**
Osmar R. Bagnato^{1,2,3}, Patrícia Mendonça Pimentel⁴, Camili Ambrosio¹, Felipe Silva¹, Marcelo M Capovilla¹, Daniel Yukio Kakizaki^{1,2}; ¹Universidade São Francisco, ²Laboratório Nacional de Luz Síncrotron, ³Centro Universitário Grupo Bom Jesus Curitiba, ⁴Universidade Federal Rural do Semi
- 17:45 Optimization of machining Inconel 718 with carbide tool coated using the methodology of Taguchi.** **K.P2.99**
Cleverson Pinheiro^{1,2}, Marcos Valério Ribeiro¹, Manoel Cleber de Sampaio Alves¹, Marcel Yuzo Kondo¹; ¹UNIVERSIDADE ESTADUAL PAULISTA "JúLIO DE MESQUITA FILHO", ²Instituto Federal de Educação, Ciência e Tecnologia de São Paulo - Campus Jacareí
- 17:45 Synthesis and characterization of nanostructured silver from the mechanochemical reduction of Ag₂O** **K.P2.100**
Meg Carolyn Moraes dos Santos¹, Mitsuo Lopes Takeno¹, Sérgio Michielon de Souza¹, Lizandro Manzato²; ¹Universidade Federal do Amazonas, ²Instituto Federal de Educação, Ciência e Tecnologia do Amazonas
- 17:45 Characterization Studies of β -Ti₃O₅ and λ -Ti₃O₅ nanoparticles** **K.P2.101**
Kelin Regina Tasca¹, Carlos Giles¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP
- 17:45 ADDITIVE MANUFACTURE WITH IN625 SUPERALLOY USING LASER AND PLASMA TRANSFERRED ARC** **K.P2.102**
Eloisa Pereira Cardozo¹, Ana Sofia C. M. D'Oliveira¹, Supryio Ganguly², Gonçalo Rodrigues Pardal²; ¹Universidade Federal do Paraná, ²Cranfield University
- 17:45 Evaluation of the formation and reversion of martensite induced by deformation in the austenite of a stainless steel lean duplex UNS S32304** **K.P2.103**
Raphael Bianchi de Vicente¹, Caio Flaret Argentino Oliveira¹, Geovani Rodrigues¹, Claudiney de Sales Pereira Mendonça¹; ¹Universidade Federal de Itajubá

- 17:45 Zn₂GeO₄ nanostructure: Optical properties and photocatalytic applications** **K.P2.104**
Mateus Vinicius de Paiva¹, Isabela Rosado Belê¹, Murilo Pires de Lima¹, Rodrigo Furquim Ghiraldi¹, Walmir Eno Pöttker¹, Elson Longo², Felipe Almeida La Porta¹; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Química de Araraquara/UNESP
- 17:45 Preparation and Structural Characterization of Ti-25Ta-10Zr alloy for Biomedical Applications** **K.P2.105**
Fernanda Freitas Quadros¹, Pedro Akira Bazaglia Kuroda¹, Carlos Roberto Grandini¹; ¹Faculdade de Ciências/Bauru
- 17:45 Aluminum 7075 turning analysis with polished carbide tools and coating titanium diboride** **K.P2.106**
Stella Andreoli Mira de Assumpção, Sarah David Müzel, Manoel Cleber de Sampaio Alves
- 17:45 Synthesis and characterizations of magnetic Ni-20%at.Fe nanoparticles** **K.P2.107**
André Paganotti¹, Sergio Gama¹, Ricardo Alexandre Galdino da Silva¹; ¹Universidade Federal de São Paulo - Campus de Diadema
- 17:45 Study of the properties of cerium oxide on the depolymerization process of poly (ethylene terephthalate)** **K.P2.108**
Amanda Delvizio Pereira¹, Eloi Alves da Silva¹, Carlos Vital Paixão de Melo¹; ¹Universidade Federal do Espírito Santo
- 17:45 Synthesis and physical properties characterization of Magnetic Fe₃O₄ / Fe₂O₃ Microtubes** **K.P2.109**
César Augusto Díaz Pomar¹, José Antonio Souza¹; ¹Universidade Federal do ABC
- 17:45 Magnetic phase diagram of thin terbium films** **K.P2.110**
Fábio Henrique Sales¹, Iedo Alves de Souza¹, Jose Joaquim Souza Melo¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão
- 17:45 Heat Treatment Evaluation of Steel ASTM A-131 Grade A by X-Ray Diffraction** **K.P2.111**
Francisco Ferreira Junior¹, Luciana Gaspar Feio¹, Ednelson Silva Costa¹, Lino Alberto Soares Rodrigues¹, EDUARDO MAGALHÃES BRAGA¹; ¹Universidade Federal do Pará
- 17:45 Investigation of core-shell and microtube morphology formation of Co and Fe due to thermal oxidation** **K.P2.112**
Paula Pereira Janusonis¹, José Antonio Souza¹, César Augusto Díaz Pomar¹, CYNTHIA MARINA RIVALDO GOMEZ¹; ¹Universidade Federal do ABC
- 17:45 Comparative Evaluation The Use Of Babassu Oil In The Tempering Of A Steel Submitted To Termochemical Treatment** **K.P2.113**
Fernanda Malato Praxedes¹, Jean Valdir Uchoa Teixeira¹, Nádia Regina Jaste Cardoso¹, Otávio Fernandes Lima da Rocha¹, Fernando de Almeida Gonçalves¹, EVALDO JÚLIO FERREIRA SOARES¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Comparative evaluation of different environments in stainless steel degradation used in orthodontic treatment** **K.P2.114**
Jean Valdir Uchoa Teixeira¹, Fernanda Malato Praxedes¹, elza monteiro leao filha¹, andre cruz maciel¹, Adriel souza¹, enio mauricio nery santos², claiton jose ribeiro acacio santos²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará, ²Universidade Federal do Pará

- 17:45 Study of anisotropy in automotive steels by means Finite Element Analysis and EBSD technique K.P2.115**
Erika Aparecida da Silva¹, Marcelo dos Santos Pereira¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Influence of rapid solidification in the formation of intermetallic precipitates in AA319.0 aluminum alloy K.P2.116**
Maria Eduarda Tedesco Farina¹, Berenice Anina Dedavid¹, Pedro Bell Santos¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Study of the ZnO for the Treatment Photocatalytic Wastewater. K.P2.117**
Rodrigo Furquim Ghiraldi¹, Isabela Rosado Belê¹, Mateus Vinicius de Paiva¹, Murilo Pires de Lima¹, Felipe Almeida La Porta¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Pitting corrosion resistance of friction stir welded lean duplex stainless steel UNS S82441 evaluated by cyclic potentiodynamic polarization and critical pitting temperature (CPT) K.P2.118**
Antonio Marcos dos Santos Leite¹, Maysa Terada¹, Eduardo Bertoni da Fonseca², Victor Ferrinho Pereira², Isolda Costa¹; ¹Instituto de Pesquisas Energéticas e Nucleares, ²Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Thermal and particle tracing simulation of a friction stir processed plates of API-5L-X80 steel. K.P2.119**
RAFAEL ARTHUR GIORJAO^{1,2}, Julián Arnaldo Ávila³, Eduardo Bertoni da Fonseca², Johnnatan Rodríguez²; ¹Escola Politécnica de Universidade de São Paulo, ²Brazilian Center for Research in Energy and Materials, ³Brazilian Center for Research in Energy and Materials (CNPEM) , Brasil
- 17:45 Influence of Nb buffer layer on exchange coupling induced at Co/IrMn interface K.P2.120**
Isabel Liz Castro Merino¹, Edson Passamani², Valberto Pedruzzi Nascimento², Fernando Pelegri³, Elisa Baggio Saitovitch¹; ¹Centro Brasileiro de Pesquisas Físicas, ²UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO, ³Universidade Federal de Goiás
- 17:45 Determination critical temperatures of the interstitial free steel: T_{nr}, Ar₃ and Ar₁ with continuous cooling multiple strains by hot torsion test K.P2.121**
Helder Keitaro Arcari Ambo¹, Marcelo Lucas Pereira Machado¹; ¹Instituto Federal do Espírito Santo, ES, Brazil
- 17:45 Solidification thermal parameters, microstructure and tensile properties of a ternary Al-10wt%Sn-5wt%Cu alloy K.P2.122**
ARMANDO AUGUSTO DE CAMPOS¹, thiago costa¹, FELIPE BERTELLI², AMAURI GARCIA¹; ¹Universidade Estadual de Campinas, ²Universidade Santa Cecília
- 17:45 Study of the deformation and recrystallization process from an alloy of Al 4.5% Cu K.P2.123**
Bruna Gobbi Garcia¹; ¹Universidade Federal de Itajubá
- 17:45 Corrosion resistance based on the microstructural array of an Al-3wt%Cu- 1wt%Li alloy K.P2.124**
Márcio Nunes Zurlo¹, Givanildo Alves dos Santos¹, Elaine Pavini Cintra¹, Antonio Augusto Couto², Wislei Riuper Ramos Osorio³, Roberto Manuel Torresi⁴; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Instituto de Pesquisas Energéticas e Nucleares, ³Universidade Estadual de Campinas, ⁴Instituto de Química - USP

- 17:45 Influence of the alumina addition in the wear resistance of the sintered AISI 52100 steel** **K.P2.125**
Bruna Horta Bastos Kuffner¹, Gilbert Silva¹, Carlos Alberto Rodrigues¹, Geovani Rodrigues¹; ¹Universidade Federal de Itajubá
- 17:45 Influence of different percentages of alumina addition in the high energy ball milling process of the AISI 52100 steel** **K.P2.126**
Bruna Horta Bastos Kuffner¹, Gilbert Silva¹, Carlos Alberto Rodrigues¹, Geovani Rodrigues¹; ¹Universidade Federal de Itajubá

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION K.OR4 (08:30 - 10:15) - Room Amoreiras III

- 08:45 CHARACTERIZATION OF METAL NANOPARTICLES OF GOLD, SILVER, COPPER AND SILVER-PALLADIUM ALLOY STABILIZED IN CHITOSAN. BACTERICIDE PROPERTIES** **K.OR4.17**
GALO CARDENAS¹, pamelaa saavedra², Luis Vergara González², hugo adalberto klahn³; ¹UNIVERSIDAD DEL BIOBIO, ²UNIVERSIDAD SAN SEBASTIAN, ³UNIVERSIDAD CATOLICA DE VALPARAISO
- 09:00 Determining the diameter of silver nanoclusters via in situ capacitance measurements** **K.OR4.18**
Vitor Toshiyuki Abrão Oiko¹, Rafael Cintra Hensel Ferreira¹, Kevin Liu Rodrigues¹, Varlei Rodrigues¹; ¹Instituto de Física Gleb Wataghin - UNICAMP
- 09:15 Simple one-step green synthesis of gold nanoparticles with controlled size using imidazolium ionic liquid as ligand** **K.OR4.19**
Ana Flávia Suzana¹, Sandra Helena Pulcinelli¹, Celso Valentim Santilli¹, Stéphanie Blanchandin², Valérie Briois², Florian Meneau³; ¹Instituto de Química de Araraquara/UNESP, ²Synchrotron SOLEIL, ³Laboratório Nacional de Luz Síncrotron
- 09:30 Structural characterization of silver nanoparticles**
Paulo Ricardo Garcia¹, Edi Carlos Pereira de Sousa¹, Walter Maigon Pontuschka¹, Cristiano Luís Pinto de Oliveira¹; ¹Instituto de Física-USP

SYMPOSIUM L - Advanced Materials and Devices for Organic Electronics and Bioelectronics

Symposium organizers:

Lucas Fugikawa Santos (*UNESP*)

Ivan H. Bechtold (*UFSC*)

Frank Nelson Crespilho (*USP*)

Gregório Couto Faria (*USP*)

Welber Gianini Quirino (*UFJF*)

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION L.OR1 (09:45 - 10:45) - Room Amoreiras II

- 09:45 Manufacturing high performance organic electronic circuits** **L.OR1.1***
David Martin Taylor¹, Colin Peter Watson², Beverley A Brown²; ¹Bangor University, ²SmartKem Ltd
- 10:15 Two dimensional, electronic particle tracking in liquids with a graphene-based magnetic sensor array** **L.OR1.2**
Rodrigo Neumann Barros Ferreira¹, Michael Engel², Mathias Bernhard Steiner¹; ¹IBM Research - Brazil, ²IBM Research - Watson
- 10:30 Optoelectronics and photonics microdevices fabricated using femtosecond laser writing** **L.OR1.3**
Adriano J. G. Otuka¹, Nathália B. Tomázio¹, Gustavo Foresto B. Almeida¹, Josiani Cristina Stefanelo¹, Marcos Roberto Cardoso¹, Antonio Ricardo Zanatta¹, Cleber R. Mendonça¹; ¹Instituto de Física de São Carlos - Universidade de São Paulo

SESSION L.OR2 (11:15 - 12:00) - Room Amoreiras II

- 11:15 Corona charging with constant current: Can it be used to characterize dielectric thin films for organic electronics?** **L.OR2.4**
José Alberto Giacometti¹; ¹Institute of Physics of São Carlos - USP
- 11:30 Modeling the dielectric constant and charge density of PDDA/CuTsPc LbL films** **L.OR2.5**
Rafael Cintra Hensel Ferreira¹, Kevin Liu Rodrigues¹, Antonio Riul Jr.¹, Varlei Rodrigues¹; ¹Instituto de Física Gleb Wataghin - UNICAMP
- 11:45 Effect of fullerene degradation on the open-circuit voltage of organic solar cells: a sub-band gap quantum efficiency and electroluminescence analysis** **L.OR2.6**
Alexandre de Castro Maciel¹, Andrew M Telford², Jason Rohr², Elisabeth Rice², Jiaying Wu², Zhe Li³, Emily M Speller³, Harrison H Lee³, Wing Chung Tsoi³, James Durrant², Jenny Nelson²; ¹Universidade Federal do Piauí, ²Imperial College London, ³Swansea University

SESSION L.OR3 (14:00 - 16:15) - Room Amoreiras II

- 14:15 Extreme Sensitivity Biosensing Platform Based on Hyperbolic Metamaterials** **L.OR3.7***
GIUSEPPE STRANGI

- 14:45 Alternative approaches to replace Au in bottom contact organic thin-film transistors for non-invasive diagnostics** **L.OR3.9**
Marco Roberto Cavallari¹, Pin-Chu Chen¹, Jiho Yoon Yoon¹, Amrita Masurkar Masurkar¹, Fernando Josepetti Fonseca², Ioannis Kymissis¹; ¹Department of Electrical Engineering, Columbia University, New York, NY 10027, United States, ²Escola Politécnica da Universidade de São Paulo (EPUSP), SP, Brazil
- 15:00 Second harmonic generation in self-assembled peptide nanotubes: Structure-property relationship** **L.OR3.10***
Suchismita Guha Guha¹; ¹University of Missouri Columbia
- 15:30 Thermal and mechanical analyses of an acrylate polymer aiming resolution improvement in microdevices** **L.OR3.11**
Pedro Monteiro Cônsoli¹, Adriano J. G. Otuka¹, Kelly Tasso Paula^{1,2}, Francisco José dos Santos², Dimas Roberto Vollet², Dario Antonio Donatti², Fábio Simões de Vicente², Debora Terezia Balogh¹, Cleber R. Mendonça¹; ¹Instituto de Física de São Carlos, ²Universidade Estadual Paulista- Campus Rio Claro
- 15:45 Vibrational and optical properties of thin films based on benzoxazole derivatives** **L.OR3.12**
Louise Patron Etcheverry¹, Eduardo Ceretta Moreira², Fabiano Severo Rodembusch¹; ¹Universidade Federal do Rio Grande do Sul, ²Fundação Universidade Federal do Pampa
- 16:00 A wearable, flexible sensor for determining sweat conductance with impedance spectroscopy measurements**
Lorenzo Antonio Buscaglia¹, Deivy Wilson Masso², Felipe Jose Pavinatto², Osvaldo Novais Oliveira Jr²; ¹Sao Carlos School of Engineering - University of Sao Paulo, ²São Carlos Institute of Physics

Poster presentations

SESSION L.P1 (17:45 - 19:30)

- 17:45 Effect of aniline monomer concentration on the electropolymerization process and its influence on the technological application in chemical biosensors** **L.P1.1**
Hugo José Dias Mello¹, Marcelo Mulato¹; ¹Universidade de São Paulo
- 17:45 Efficient bioanode based on oligomerized glucose oxidase and a flexible carbon fiber electrode** **L.P1.2**
Andressa Ribeiro Pereira¹, Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos - Universidade de São Paulo
- 17:45 Evaluation of a miniaturized biofuel cell based on alcohol dehydrogenase and bilirubin oxidase gas-diffusion cathode** **L.P1.3**
Graziela Cristina Sedenho¹, Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos - Universidade de São Paulo
- 17:45 A yeast and enzyme-based electrode: ethanol production and oxidation** **L.P1.4**
Kamila Cássia Pagnoncelli¹, Andressa Ribeiro Pereira¹, Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos - Universidade de São Paulo

- 17:45 Langmuir-Freundlich Model Explains the Adsorption Mechanism of the Antigen CA19-9 on Biosensors Made with Chitosan/Con A Films for Early Diagnosis of Pancreatic Cancer** **L.P1.5**
Andrey Coatrini Soares¹, Juliana Coatrini Soares¹, Flávio Makoto Shimizu¹, Valquiria Cruz Rodrigues¹, Matias Eliseo Melendez², André Lopes Carvalho², José Humberto Tavares Guerreiro Fregnani², Osvaldo Novais Oliveira Jr¹;
¹Universidade de São Paulo, ²Hospital de Câncer de Barretos
- 17:45 Biopolymer based ionogels as active layers in low-cost gas sensors and electronic noses** **L.P1.6**
Mariana Martins de Oliveira Netto¹, Jonas Gruber²; ¹Escola Politécnica de Universidade de São Paulo, ²Instituto de Química - USP
- 17:45 Adsorption isotherms with the Langmuir-Freundlich Model in the Detection of the Biomarker p53 Associated with Various Types of Cancer** **L.P1.7**
Juliana Coatrini Soares¹, Andrey Coatrini Soares², Paulo Augusto Raymundo Pereira³, Valquiria Cruz Rodrigues¹, Flávio Makoto Shimizu¹, Matias Eliseo Melendez⁴, Sergio Antonio Spinola Machado³, José Humberto Tavares Guerreiro Fregnani⁴, André Lopes Carvalho⁴, Osvaldo Novais Oliveira Jr¹;
¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Instituto de Física de São Carlos/Universidade de São Paulo, ³Instituto de Química de São Carlos - Universidade de São Paulo, ⁴Hospital de Câncer de Barretos
- 17:45 Adsorption mechanisms in the detection of cancer biomarkers investigated with image processing** **L.P1.8**
Valquiria Cruz Rodrigues¹, Cesar Comin¹, Juliana Coatrini Soares¹, Andrey Coatrini Soares², Matias Eliseo Melendez³, José Humberto Tavares Guerreiro Fregnani³, André Lopes Carvalho⁴, Luciano F Costa¹, Osvaldo Novais Oliveira Jr¹;
¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade de São Paulo, ³Hospital do Câncer de Barretos, ⁴Hospital de Câncer de Barretos
- 17:45 Amperometric biosensor based on layer-by-layer film of functionalized reduced graphene oxide for the glucose detection in real samples** **L.P1.9**
Daniela Branco Tavares Mascagni¹, Marystela Ferreira²; ¹UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO", ²Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Fabrication and characterization of Chitosan/AuNp nanostructured films with DNA immobilized for detecting cancer at early stages** **L.P1.10**
Olivia Carr^{1,2}, Flávio Makoto Shimizu², Jorge Augusto de Moura Delezuk², Lidia Maria Rebolho Batista Arantes³, Matias Eliseo Melendez³, André Lopes Carvalho³, Osvaldo Novais Oliveira Jr²; ¹Escola de Engenharia de São Carlos-Universidade de São Paulo, ²São Carlos Institute of Physics, ³Molecular Oncology Research Center
- 17:45 Photoluminescent properties of the Eu(TTA)₃(H₂O)₂ complexin gelatin and chitosan membrane** **L.P1.11**
Luiz Guilherme Ambrósio de Carvalho¹, Luiz Gustavo de Lima Guimarães¹, Ellen Raphael¹, Daniela Pereira Santos¹, Marco Antonio Schiavon¹, Jefferson Luis Ferrari¹; ¹Universidade Federal de São João del-Rei
- 17:45 Detection of Acute Kidney Injury Biomarker Using Extended Gate Field-Effect Transistors** **L.P1.12**
Juliana F. dos Santos¹, Nirton C. S. Vieira¹, Idelma A. A. Terra¹, Naiara Zambianco², Francisco Eduardo Gontijo Guimarães¹, Valtencir Zucolotto¹;
¹Instituto de Física de São Carlos, ²Universidade Federal de São Carlos

- 17:45 Microfluidic electronic tongue applied in soil analysis** **L.P1.13**
Maria L. Braunger¹, Mawin J. M. Jimenez¹, Flavio Shimizu Shimizu², Lucas R. Amaral³, Paulo S. G. Magalhães³, Antonio Riul Jr.¹; ¹Instituto de Física "Gleb Wataghin" - Universidade Estadual de Campinas, ²Instituto de Física de São Carlos - Universidade de São Paulo, ³Faculdade de Engenharia Agrícola - Universidade Estadual de Campinas
- 17:45 Nanostructured electrochemical glucose biosensor based on poly(Py@EDOT)** **L.P1.14**
Ana Maria Rocco¹, Álvaro Ferreira Monteiro¹, Marcus Vinícius David Rangel e Silva^{2,1}; ¹Universidade Federal do Rio de Janeiro - EQ, ²Instituto Nacional de Metrologia, Qualidade e Tecnologia
- 17:45 The membrane mimetic matrix affects the adsorption of tyrosinase and influences on the biosensors' performance to polyphenols detection** **L.P1.15**
 Matheus Santos Pereira¹, Mateus Dassie Maximino¹, Cibely Silva Martin¹, Priscila Alessio¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Biosensor amperometric based development in uricase oxidase associated with platinum nanoparticles for detection uric acid.** **L.P1.16**
Eduardo Almeida Anuniação¹, Marystela Ferreira¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Vertical flow assay using gold nanoparticles for rapid immunosensing of proteins** **L.P1.17**
Gisele Elias Nunes Pauli^{1,2}, Alfredo de la Escosura-Muñiz², Claudio Parolo², Ivan H. Bechtold¹, Arben Merkoçi²; ¹Universidade Federal de Santa Catarina, ²Catalan Institute of Nanoscience and Nanotechnology
- 17:45 Surface functionalization of carbon fiber electrodes for alcohol dehydrogenase enzyme immobilization** **L.P1.18**
Mian Abdul Ali¹, Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos - Universidade de São Paulo
- 17:45 Carbon fiber arrays as implantable electrodes for glucose/O₂ biofuel cell** **L.P1.19**
Fernanda Cristina Pena Ferreira Sales¹, Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos
- 17:45 Study of the incorporation of the Portulaca grandiflora flower in a matrix of poly(vinyl alcohol) into the development of a chemical sensor of pH** **L.P1.20**
Ricardo Lima Guimarães¹, Gilmara Gonzaga Pedrosa¹, Flávio Vinícius Viana de Holanda¹, Débora Clara Coelho da Mota Silveira¹, Filipe Matheus Cabral Santos¹, Marcos Antonio Coelho Júnior¹, Fernandes Henrique de Azevedo Jr¹; ¹Universidade Federal de Pernambuco
- 17:45 The correlation between the electronic structure and optical properties of xanthen derivatives** **L.P1.21**
 Samuel de Faria Vieira¹, Aluisio de Andrade Bartolomeu², Luiz Carlos Da Silva Filho^{2,3}, Augusto Batagin Neto¹; ¹Universidade Estadual Paulista - Campus Itapeva, ²Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ³Universidade Estadual Paulista - Campus Bauru
- 17:45 Nanostructured biosensor based on Layer-by-Layer films for use in an e-tongue to detect E. Coli** **L.P1.22**
Flávio Makoto Shimizu¹, Stanley E. R. Bilatto², Daniel Souza Corrêa², Odilio Assis², Luiz Henrique Capparelli Mattoso², Osvaldo Novais Oliveira Jr¹; ¹Institute of Physics of São Carlos - USP, ²Embrapa Instrumentação

- 17:45 An amperometric sensor based on carbon nanotubes and 4-nitroaniline adsorbed on silica gel modified with zirconium oxide for determination of ascorbic acid in food samples** **L.P1.23**
Sarah Kelly Melo Cavalcante^{1,2}, Mayrane Carla Nascimento¹, Elenice Mendes Silva Gomes², Walker de Lima Cordeiro², Joab Serra Rodrigues da Silva¹, Antonio Osimar Silva², Jonas dos Santos Sousa¹, Euripedes Alves Silva Filho², Wilney de Jesus Rodrigues Santos¹, Lauro Tatsuo Kubota³, Marília Oliveira Goulart², Phabyanno Rodrigues Lima¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas, ²Universidade Federal de Alagoas, ³Instituto de Química - UNICAMP
- 17:45 A Nanostructured Flexible Device For Salivary Biomarkers Detection** **L.P1.24**
Paulo Augusto Raymundo Pereira^{1,2}, Flávio Makoto Shimizu², Sergio Antonio Spinola Machado¹, Osvaldo Novais Oliveira Jr²; ¹Instituto de Química de São Carlos, ²Instituto de Física de São Carlos
- 17:45 Transparent conductive oxides application in the detection Cyclodextrin Glycosyltransferase enzyme** **L.P1.25**
Cleber Alexandre Amorim¹, Kate Cristina Blanco², Lucas Fugikawa Santos³, Adenilson José Chiquito⁴; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Institute of Physics of São Carlos - USP, ³UNESP, ⁴Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Development PMMA/PPy nanofibers electrospun for applications in gas sensors.** **L.P1.26**
Camilla Martins Ruiz¹, Guilherme Dognani¹, Bruno Henrique Santana Goís¹, André Antunes da Silva¹, Jessyka Carolina Bittencourt¹, Angela Priscila Pelegrini Bolach¹, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 A sensitive electrochemical detection of ascorbic acid using 4-nitrophenol self-assembled monolayers over gold nanoparticles electrode** **L.P1.27**
Sarah Kelly Melo Cavalcante^{1,2}, Mayrane Carla Nascimento^{1,2}, Elenice Mendes Silva Gomes², Cristian Bernado da Silva¹, Jailson dos Santos Silva¹, Antonio Osimar Silva², Johnatan Duarte de Freitas¹, Alan John Duarte de Freitas¹, Euripedes Alves Silva Filho², Wilney de Jesus Rodrigues Santos¹, Marília Oliveira Goulart², Phabyanno Rodrigues Lima¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas, ²Universidade Federal de Alagoas
- 17:45 Study of percolation threshold electrospun nanofibers for gas sensors** **L.P1.28**
Camilla Martins Ruiz¹, Bruno Henrique Santana Goís¹, André Antunes da Silva¹, Jessyka Carolina Bittencourt², Guilherme Dognani¹, Angela Priscila Pelegrini Bolach¹, Clarissa de Almeida Olivati¹, Flávio Camargo Cabrera¹, Renivaldo José dos Santos³, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Estadual Paulista - Campus de Presidente Prudente, ³Universidade Estadual Paulista - Campus Rosana
- 17:45 Caustic Soda detection in bovine milk with EGFET devices** **L.P1.29**
Matheus Feres Freitas¹, Joaquim Paulo da Silva¹, Jefferson Esquina Tsuchida¹, Marcelo Mulato², JULIO CESAR UGUCIONI¹; ¹Universidade Federal de Lavras, ²Universidade de São Paulo
- 17:45 Development of a pH indicator organic film based on Cellulose acetate for monitor the perishable food quality** **L.P1.30**
Marcella Rocha Franco¹, Rodrigo Fernando Bianchi¹, Luciana Rodrigues da Cunha¹; ¹Universidade Federal de Ouro Preto

- 17:45 Synthesis and characterization with molecular imprinted technique and its function as chemical sensors for artemisinin L.P1.31**
Walker de Lima Cordeiro^{1,2}, Sarah Kelly Melo Cavalcante^{1,2}, Mayrane Carla Nascimento¹, José Anderson Farias da Silva Bomfim¹, Fernando Alves Ferreira¹, Elenice Mendes Silva Gomes^{1,2}, Antonio Osimar Silva², Joab Serra Rodrigues da Silva¹, Wilney de Jesus Rodrigues Santos¹, Euripedes Alves Silva Filho², Marília Oliveira Goulart², Phabyanno Rodrigues Lima¹; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas, ²Universidade Federal de Alagoas
- 17:45 Fluorescence and light sensitive electrospun polymer nanofiber: search for quasi-one dimensional (1D) color indicator dosimeter materials L.P1.32**
 Nathália Oliveira Braga¹, Paulo Henrique de Sousa Picciani², Giovana Ribeiro Ferreira³, Rodrigo Fernando Bianchi⁴; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Federal do Rio de Janeiro, ³Universidade Federal dos Vales do Jequitinhonha e Mucuri, ⁴Universidade Federal de Ouro Preto
- 17:45 Preparation and characterization of polyaniline composite and carbon nanotubes associated with cement structures for monitoring efforts in mechanics. L.P1.33**
Silmar Antonio Travain¹, Brillian Aquino Fernandes², Luiz Orlando Ladeira³; ¹UNESP Guaratinguetá, ²Universidade Federal de Ouro Preto, ³Universidade Federal de Minas Gerais
- 17:45 Synthesis of Zinc Oxide Nanoparticles by Polyol Route L.P1.34**
Eduardo Ferreira Barbosa¹, Jaqueline Alves Coelho¹, Edna Regina Spada², João B. Floriano¹, Paula C. Rodrigues¹; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Física de São Carlos
- 17:45 Reactivity of lignin subunits: electronic structure calculations on monomers L.P1.35**
Rosângela Almeida Maia¹, Augusto Batagin Neto¹; ¹Universidade Estadual Paulista - Campus Itapeva
- 17:45 Optical and Electric Characterization of P3DDT Synthesized Electrochemically L.P1.36**
Sankler Soares de Sá¹, Eralci Moreira Therézio¹, Alexandre Marletta², Raigna Augusta da Silva Zadra Armond², Silésia de Fátima Curcino da Silva²; ¹Universidade Federal de Mato Grosso, ²Universidade Federal de Uberlândia
- 17:45 Study of Degradation of Blends with Thiophene Copolymers L.P1.37**
Alessandra Stacchini Menandro¹, Roselena Faez², Laura Oliveira Péres¹; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Universidade Federal de São Carlos
- 17:45 Ruthenium Complexes: Synthesis and Electro-optical Applications L.P1.38**
Cristian Momoli Salla¹, Jefferson Silva Martins², Hugo C. Braga¹, Juliana Eccher¹, Hugo Gallardo¹, Bernardo de Souza¹, Welber Gianini Quirino², Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Universidade Federal de Juiz de Fora
- 17:45 One-step approach to obtain polypyrrole-indigo carmine-silver nanoparticles nanocomposite: improved optical contrast and electroactivity L.P1.39**
 Lara F. Loguercio¹, Pedro G. Demingos¹, Luiza de Mattos Manica¹, Jordana Borges Griep¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul

- 17:45 Reactivity indexes for the study of carbon-based materials as active layers of chemical sensors: a molecular approach** L.P1.40
Augusto Batagin Neto¹, Marcos Geovanni de Souza Pinheiro¹, João Pedro Barros Cuba¹, Victor Melles¹, Leonardo Gois Lascane¹, Susan Aki Kitai¹, Larissa Oliveira Mandú¹; ¹Universidade Estadual Paulista - Campus Itapeva
- 17:45 Study of optical spectroscopic of polymeric films of poly (3-hexylthiophene) regiorregulares doped with tetracyanoquinodimethane** L.P1.41
Diego Fernando Silva Sousa^{1,2}, Erick Piovesan², F. H. Cristovan³;
¹Universidade Federal de Santa Catarina, ²Universidade Federal de Uberlândia, ³Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Poly(3-thiophene ethyl acetate) for organic electronics application: Synthesis and structural, thermal and optical characterizations** L.P1.42
Aline Câmara de Oliveira¹, Fernando Henrique Cristovan¹, Rossano Lang¹;
¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Morphological and superficial study of thin films based on conjugated semiconductor polymer PBTTC-C14** L.P1.43
José Enrique Eirez Izquierdo¹, Marco Roberto Cavallari², Marcelo Assumpção Pereira da Silva³, Fernando Josepetti Fonseca¹; ¹Escola Politécnica de Universidade de São Paulo, ²Department of Electrical Engineering, Columbia University, New York, NY 10027, United States, ³Instituto de Física de São Carlos
- 17:45 Photophysical characterization of organic compounds derived from aminobenzothiazole** L.P1.44
Nathalie de Oliveira Lunardi¹, Fabiano Severo Rodembusch², Eduardo Ceretta Moreira¹; ¹Fundação Universidade Federal do Pampa, ²Universidade Federal do Rio Grande do Sul
- 17:45 Sustainable route to prepare conjugate polymers** L.P1.45
Rebeca da Rocha Rodrigues¹, Laura Oliveira Péres¹, Cristiano Raminelli¹;
¹Universidade Federal de São Paulo - Campus de Diadema
- 17:45 Mixing three polymers to achieve white emission** L.P1.46
Luana Cristina Wouk de Menezes¹, Wesley Renzi², Flavio Franchello², Edson Laureto Laureto², Ivan Dias², Jeferson Ferreira de Deus³, Marco Aurélio Toledo da Silva³, José Leonil Duarte²; ¹Universidade Federal do Paraná, ²Universidade Estadual de Londrina, ³Universidade Tecnológica Federal do Paraná
- 17:45 Synthesis, structural characterization and photophysical properties of a novel isoxazole** L.P1.47
Ana Carolina Ferreira de Brito¹, Jason Guy Taylor¹, Thiago Cazati¹;
¹Universidade Federal de Ouro Preto
- 17:45 Electrochemical Polymerization of a Donor-Acceptor Polymer Containing Benzothiadiazole** L.P1.48
Uesley A. Stival¹, Paula C. Rodrigues¹, João B. Floriano¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Impedance Spectroscopy of Melanin Thin Films and Humidity Sensor Applications** L.P1.49
Eliane Aparecida Morais¹, João Vitor Paulin², Carlos F. O. Graeff², Honória de Fátima Gorgulho¹, Wagner Souza Machado¹; ¹Universidade Federal de São João del-Rei, ²Universidade Estadual Paulista Júlio de Mesquita Filho

- 17:45 Synthesis and Characterization of a Push-Pull Terpolymer Based on Anthracene, Fluorene and Benzothiadiazole** **L.P1.50**
 Ana Carolina Floriano¹, Daiana Santos da Silveira¹, Gabriel Marques Rosa², Luciano Morais Lião², Erick Piovesan³, Fernando Henrique Cristovan¹;
¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade Federal de Goiás, ³Universidade Federal de Uberlândia
- 17:45 Electrochemical and spectroscopic properties of Prussian blue produced from [Fe(CN)₅(ptt)]³⁻** **L.P1.51**
Bruno Morandi Pires¹, Flavia Elisa Galdino¹, Juliano A Bonacin¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Molecular alignment effects on spectroscopic properties 2,1,3-benzothiadiazole guested in liquid–crystalline compounds** **L.P1.52**
Francelly Emily Lucas¹, Gilberto Ferreira Borges Jr.², Wender Bruno Calixto Alves³, Ivan H. Bechtold⁴, André Alexandre Vieira⁵, RODRIGO CRISTIANO⁶, Hugo Gallardo⁴, Raigna Augusta da Silva³, Newton Martins Barbosa Neto⁷, Alexandre Marletta³, Paulo Alliprandini Filho¹; ¹Universidade Federal dos Vales do Jequitinhonha E Mucuri, ²Universidade Federal De Minas Gerais, ³Universidade Federal de Uberlândia, ⁴Universidade Federal de Santa Catarina, ⁵Universidade Federal da Bahia, ⁶Universidade Federal da Paraíba, ⁷Universidade Federal do Pará
- 17:45 Investigation of the photophysical and eletrochemical properties of a supramolecular porphyrin/ruthenium (II) complex** **L.P1.53**
Newton Martins Barbosa Neto¹, Renato N. Sampaio², Monize Martins Silva³, Alzir Azevedo Batista³; ¹Universidade Federal do Pará, ²University of North Carolina at Chapel Hill, ³Universidade Federal de São Carlos
- 17:45 Automatic pattern identification in self-organized polymeric films** **L.P1.54**
Carolina Frayne Cuba¹, Adriana Madalena de Araújo Faria¹, Andrea Gomes Campos Bianchi¹, Rodrigo Fernando Bianchi¹; ¹Universidade Federal de Ouro Preto
- 17:45 Photoprocessing of zinc porphyrin molecules in solution.** **L.P1.55**
Sandro do Nascimento da Costa¹, Zeus Sales Moreira¹, Alzir Azevedo Batista², Renato N. Sampaio³, Jefferson Márcio Sanches Lopes¹, Paulo Trindade Araujo⁴, Newton Martins Barbosa Neto¹; ¹Universidade Federal do Pará, ²Universidade Federal de São Carlos, ³University of North Carolina at Chapel Hill, ⁴The University of Alabama
- 17:45 Optical Characterization of P3HT Polymeric Films** **L.P1.56**
Aleffe Bruno Schura¹, Silésia de Fátima Curcino da Silva², Raigna Augusta da Silva Zadra Armond², Alexandre Marletta², Eralci Moreira Therézio¹;
¹Universidade Federal de Mato Grosso, ²Universidade Federal de Uberlândia
- 17:45 Influence of the thermall convection process at lower temperatures for PPV-dye-TALH thin films for aplication on solar cells** **L.P1.57**
 Junior C. S. Pantoja¹, Ricardo Vignoto Fernandes¹, Edson Laureto¹, Mariana Dias de Matos², Elisa Sales de Freitas², Sedinei Leal Guadanhim², Marco Aurélio Toledo da Silva², Sidney Alves Lourenço², Luiz Carlos Poças²;
¹Universidade Estadual de Londrina, ²Universidade Tecnológica Federal do Paraná
- 17:45 Design, synthesis and characterization of a new series of liquid crystalline compounds derived from the tris(N-phenyltriazole) core** **L.P1.58**
Carlos A. Ratto¹, Eduard Westphal², Carlos E. M. Campos¹, Hugo Gallardo¹;
¹Universidade Federal de Santa Catarina, ²Universidade Tecnológica Federal do Paraná

- 17:45 The adsorption mechanisms behind biosensing** **L.P1.59**
Iram Taj Awan¹, Niravkumar Jitendrabhai Joshi¹, Andrey Coatrini Soares¹,
 Matias Eliseo Menlendez², André Lopes Carvalho³, José Humberto Tavares
 Guerreiro Fregnani³, Osvaldo Novais Oliveira Jr¹; ¹Instituto de Física de São
 Carlos/Universidade de São Paulo, ²Hospital de Câncer de Barretos - Centro de
 Pesquisa em Oncologia Molecular, ³Hospital de Câncer de Barretos
- 17:45 Development of conductive nanofibers for PVA/PEDOT:PSS by** **L.P1.60**
electrospinning for application in gas sensors
Bruno Henrique Santana Goís¹, André Antunes da Silva¹, Jessyka Carolina
 Bittencourt¹, Camilla Martins Ruiz¹, Guilherme Dognani¹, Deuber Lincon da
 Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 PFeBT/quartz interface and its morphology** **L.P1.61**
Maykol Damasceno Oliveira¹, Ángel Alberto Hidalgo¹, Maria Leticia Vega¹,
 Alisson de Jesus Santana², Paula C. Rodrigues^{2,3}; ¹Universidade Federal do
 Piauí, ²Universidade Federal do Paraná, ³Universidade Tecnológica Federal do
 Paraná
- 17:45 Preparation and characterization of polyvinyl alcohol films doped with** **L.P1.62**
SnO₂:F and perylene
Jeferson Ferreira de Deus¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Development and parameterization of nanofibers electrospun of** **L.P1.63**
poly(vinylidene fluoride) with polypyrrole
André Antunes da Silva¹, Jessyka Carolina Bittencourt¹, Bruno Henrique
 Santana Goís¹, Guilherme Dognani¹, Angela Priscila Pelegrini Bolach¹, Camilla
 Martins Ruiz¹, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de
 Presidente Prudente
- 17:45 Synthesis and characterization of a new luminescent twin dimer** **L.P1.64**
pyridinium ionic compound containing the 1,3,4-oxadiazole heterocycle
 Fernando Molin¹, Guilherme Augusto Justen¹, Eduard Westphal¹; ¹Universidade
 Tecnológica Federal do Paraná
- 17:45 Electronic structure calculations for the study of polyaniline-based** **L.P1.65**
chemical sensors: evaluation of structural and reactivity properties
Larissa Oliveira Mandú¹, Augusto Batagin Neto¹; ¹Universidade Estadual
 Paulista - Campus Itapeva
- 17:45 Buckypaper as capacitive electrode for fire sensor**
Paula Fabíola Pantoja Pinheiro¹, Fernanda Rodrigues Sousa¹, Marcos Allan
 Leite dos Reis¹; ¹Universidade Federal do Pará
- 17:45 Study of polymeric blends to obtain a light emitting electrochemical cell**
(L.E.C.)
Estácio Paiva de Araújo¹, Silesia de Fatima Cursino da Silva¹, Alexandre
 Marletta¹, Raigna Augusta da Silva Zadra Armond¹; ¹Universidade Federal de
 Uberlândia

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION L.OR4 (09:45 - 10:45) - Room Amoreiras II

- 09:45 Organic electronics for *in vitro* electrophysiological sensing: Device structures and methods to measure low-frequency collective cell activity** **L.OR4.13***
Henrique Leonel Gomes¹, Maria do Carmo de Medeiros², Pedro Carrilho Inácio¹, Ana Garcias Mestre¹, Sanaz Asgarifar¹, José Bragança¹, Fabio Biscarini³; ¹Universidade do Algarve, ²Universidade de Coimbra, ³University of Modena and Reggio Emilia
- 10:15 Rhodanese incorporated in bio-inspired ultrathin films of phospholipids: improvement of the enzyme activity for the construction of bioelectronic devices** **L.OR4.14**
Luciano Caseli¹, Felipe Tejada Araújo¹; ¹Universidade Federal de São Paulo
- 10:30 Anisotropic charge distribution in large-area graphene** **L.OR4.15**
Lucyano J. A. Macedo¹, Frank Nelson Crespilho²; ¹Universidade de São Paulo, ²Instituto de Química de São Carlos

SESSION L.OR5 (11:15 - 12:00) - Room Amoreiras II

- 11:15 Improved optical, electrochemical and morphological properties of silver nanoparticles/indigo carmine and dodecyl sulfate doped polypyrrole nanocomposites** **L.OR5.16**
Luiza de Mattos Manica¹, Lara F. Loguercio¹, Pedro G. Demingos¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul
- 11:30 Hybrid White Organic Light-emitting Diodes Combining Blue-fluorescent Polymer and Red-phosphorescent Pt(II) Complexes as Active Layer** **L.OR5.17**
José Carlos Germino¹, Raquel Aparecida Domingues², Fernando Junior Quites³, Jilian Nei de Freitas⁴, Marcelo Meira Faleiros¹, Emmanuel Santos Moraes¹, Teresa Dib Zambon Atvars¹; ¹Universidade Estadual de Campinas, ²Universidade Federal de São Paulo, ³Universidade Federal de Mato Grosso, ⁴Centro de Tecnologia da Informação Renato Archer
- 11:45 Polyaniline electrodes of high superficial area for pseudocapacitors** **L.OR5.18**
Luana Lacy Mattos¹, Rodrigo Monico Peixoto², Nicolle Ruppenthal², Carleane Patricia da Silva Reis², William Dallapícula Nunes², Maria Luisa Sartorelli², Françoise Toledo Reis²; ¹CEITEC SA, ²Universidade Federal de Santa Catarina

SESSION L.OR6 (14:00 - 16:15) - Room Amoreiras II

- 14:00 Impedimetric and field-effect aptasensors for medical and environmental applications** **L.OR6.19***
Pedro Estrela¹; ¹University of Bath
- 14:30 Physical-chemical modifications induced by ion bombardment on organic devices via dual-beam microscopy** **L.OR6.20**
Cristol de Paiva Gouvêa^{1,2}, Harold Jose Camargo Avila¹, Erlon Henrique Martins Ferreira², Martin Mendoza², Marco Cremona¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Instituto Nacional de Metrologia, Qualidade e Tecnologia
- 14:45 A new method for selecting sensing units in an electronic-tongue** **L.OR6.21**
José Alberto Giacometti¹, Flávio Makoto Shimizu¹, Olivia Carr¹, Osvaldo Novais Oliveira Jr¹; ¹Instituto de Física de São Carlos - USP

- 15:15 Molecular Quantum Capacitors for Medical Diagnostics** **L.OR6.22***
Paulo Roberto Bueno¹; ¹Instituto de Química de Araraquara/UNESP
- 15:45 A self-assembled antibody-based platform for melatonin detection** **L.OR6.23**
Laís Canniatti Brazaca¹, Camila Barbosa Bramorski¹, Bruno Campos Janegitz²,
 Juliana Cancino Bernardi¹, Regina Pekelmann Markus¹, Valtencir Zucolotto¹;
¹Universidade de São Paulo, ²Universidade Federal de São Carlos
- 16:00 On the growth, structure and dynamics of P3EHT crystals** **L.OR6.24**
Giovanni Paro Cunha¹, Eduardo Ribeiro de Azevedo¹, Gregorio Couto Faria^{2,1},
 Duc Trong Duong², Alberto Salleo²; ¹Instituto de Física de São Carlos,
²Stanford University

Poster presentations

SESSION L.P2 (17:45 - 19:30)

- 17:45 Development of organic light emitting diodes by blade coating** **L.P2.66**
Viviane Nogueira Hamanaka¹, MARCOS HENRIQUE MAMORU OTSUKA
 HAMANAKA², Vinicius Lago Pimentel², Fernando Josepetti Fonseca¹;
¹Universidade de São Paulo, ²Centro de Tecnologia da Informação Renato
 Archer
- 17:45 Preparation of transparent high conductive PEDOT:PSS thin films** **L.P2.67**
Satoru Yoshida¹, Herick Garcia Takimoto¹, Emerson Roberto Santos¹, Shu Hui
 Wang¹; ¹Universidade de São Paulo
- 17:45 PEDOT:PSS thin films irradiated with UV-Ozone for P-OLEDs devices** **L.P2.68**
Emerson Roberto Santos¹, Juliana Aparecida Vendrami², Satoru Yoshida¹,
 Herick Garcia Takimoto¹, Elvo Calixto Burini Junior³, Roberto Koji Onmori¹,
 Shu Hui Wang¹; ¹Escola Politécnica de Universidade de São Paulo, ²Faculdade
 de Tecnologia Zona Leste, ³Instituto de Energia e Ambiente da Universidade de
 São Paulo
- 17:45 Application of a composite containing ORMOSIL material and conductive polymer in light-emitting device fabrication** **L.P2.69**
Renan Colucci¹, Fábio Simões de Vicente¹, Giovanni Gozzi¹; ¹Universidade
 Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Study of the charge transport in composites comprising PEDOT:PSS and GPTMS** **L.P2.70**
 Renan Colucci¹, Fábio Simões de Vicente¹, Giovanni Gozzi¹; ¹Universidade
 Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Understanding polymer-salt interactions in light emitting electrochemical cells** **L.P2.71**
Bruno Bassi Millan Torres¹, Roberto Mendonça Faria¹, Debora Terezia
 Balogh¹; ¹Instituto de Física de São Carlos
- 17:45 Probing chemical information in PEO-Lithium Triflate thin films at nanoscale using IR-SNOM** **L.P2.72**
Bruno Bassi Millan Torres¹, Francisco Carlos Barbosa Maia², Raul de Oliveira
 Freitas², Debora Terezia Balogh¹; ¹Instituto de Física de São Carlos,
²Laboratório Nacional de Luz Síncrotron

- 17:45 Organic Light Emitting Diode (OLED) on the Roadway** L.P2.73
Elvo Calixto Burini Junior¹, Marcelo de Oliveira Jesus¹, Emerson Roberto Santos², Danilo Ferreira de Souza², Rinaldo Caldeira Pinto¹, Arnaldo Gakiya Kanashiro¹; ¹INSTITUTO DE ENERGIA E AMBIENTE/USP, ²Universidade de São Paulo
- 17:45 Alternative solvents for the preparation of films used in organic photovoltaic cells** L.P2.74
Guilherme da Silva Miranda^{1,2}, Bruno Bassi Millan Torres^{1,2}, Debora Terezia Balogh², Roberto Mendonça Faria^{1,2}; ¹Universidade de São Paulo, ²Instituto de Física de São Carlos
- 17:45 Fabrication and electrical characterization of pure and mixed polythiophene films by impedance spectroscopy technique** L.P2.75
Lucas Vinicius de Lima Citolino¹, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Theoretical Study of the Space-Charge Limited Effective Mobility in a Bi-layer Device** L.P2.77
 Marlus Koehler¹, Deize Corradi Grodniski¹; ¹Universidade Federal do Paraná
- 17:45 Polarized light emitting liquid crystalline polymer for OLED applications** L.P2.78
Larissa Gomes França¹, Paulo Alliprandini Filho², Alexandre Marletta³, Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Universidade Federal dos Vales do Jequitinhonha E Mucuri, ³Universidade Federal de Uberlândia
- 17:45 Using Fused Deposition Modeling 3D printing for Simplified Fabrication of Integrated Microfluidic Devices** L.P2.80
Gabriel Gaál¹, Maria Helena Piazzetta², Angelo Luiz Gobbi², Antonio Riul Jr.³, Varlei Rodrigues¹; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Brazilian Nanotechnology National Laboratory, ³Instituto de Física "Gleb Wataghin"-UNICAMP
- 17:45 Organic solar cell devices with columnar liquid crystals as active layer** L.P2.81
Alessandro Lopes Alves¹, Edivandro Giroto^{1,2}, Juliana Eccher¹, Harald Bock², Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal
- 17:45 Coupling optical techniques with scanning tunneling microscopy to investigate organic films** L.P2.82
Otávio Alonso Freire Alves¹, Gabriel Henrique Nunes¹, Rogerio Magalhaes Paniago¹, Angelo Malachias¹, Gustavo Almeida Magalhães Sáfar¹; ¹Universidade Federal de Minas Gerais
- 17:45 Discrete Ray-trace Simulation of Organic Light-emitting Diodes** L.P2.83
Lucas Fugikawa Santos¹; ¹Universidade Estadual Paulista - Campus de São José do Rio Preto
- 17:45 Effects of Antioxidant Agents in Electrical Behavior of MEH-PPV OLEDs** L.P2.84
Luiz Brito de Souza Filho¹, José Pereira dos Santos Júnior², Ángel Alberto Hidalgo², José Ribeiro dos Santos Júnior², Washington da Silva Sousa³, Vicente Galber Freitas Viana⁴; ¹Instituto Federal de Educação, Ciência e Tecnologia do Tocantins, ²Universidade Federal do Piauí, ³Universidade Federal do Maranhão, ⁴Instituto Federal de Educação, Ciência e Tecnologia do Piauí

- 17:45 Study of electrical properties of self-assembled films with polyaniline and carbon nanotubes composites in Field Effect Transistor geometry.** L.P2.85
Luiz Carlos Mariano¹, Victor Hugo Rodrigues de Souza¹, Fabio Santos Lisboa², Edemir Luiz Kowalski³, Maria Luiza Miranda Rocco⁴, Marlus Koehler¹, Aldo J.G. Zarbin¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná, ²Universidade Tecnológica Federal do Paraná, ³Instituto LACTEC, ⁴Instituto de Química / UFRJ
- 17:45 Random copolymer of poly(3-hexyloxythiophene) and poly(3-thiophene methyl acetate) for optoelectronic applications** L.P2.86
Débora Aparecida Ribeiro¹, Bianca Pinheiro de Sousa¹, Fernando Henrique Cristovan¹, Rossano Lang¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Rapid and easy synthesis of silver nanowires for application in flexible and transparent electrodes.** L.P2.87
Felipe Barbosa Soares¹, Sidney Alves Lourenço², Carlos Eduardo Cava²; ¹Universidade Estadual de Londrina, ²Universidade Tecnológica Federal do Paraná
- 17:45 Transient techniques for measuring the charge carrier mobility of organic semiconductors** L.P2.88
Douglas Coutinho Coutinho¹, Gregorio Couto Faria², Heinz von Seggern³, Roberto Mendonça Faria⁴; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Física de São Carlos, ³Technische Universität Darmstadt, ⁴Universidade de São Paulo
- 17:45 Lifespan and luminance in MEH-PPV devices with antioxidants** L.P2.89
Jose Pereira Santos Junior¹, Luiz Brito de Souza Filho², Ángel Alberto Hidalgo¹, José Ribeiro dos Santos Júnior¹, Washington da Silva Sousa³, João Mariz Guimarães Neto¹, Edivaldo L. Queiróz¹, Maria Leticia Vega¹; ¹Universidade Federal do Piauí, ²Instituto Federal de Educação, Ciência e Tecnologia do Tocantins, ³Universidade Federal do Maranhão
- 17:45 Organic solar cells on packaging cardboard** L.P2.90
Idomeneu Gomes de Souza Filho^{1,2}, Elvira Maria Correia Fortunato³, Rodrigo Ferrão de Paiva Martins³, Roberto Mendonça Faria²; ¹Escola de Engenharia de São Carlos- Universidade de São Paulo, ²Instituto de Física de São Carlos - Universidade de São Paulo, ³Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa
- 17:45 Electrical characterization of Poly (3-hexylthiophene) (P3HT) monolayer devices** L.P2.91
Mariana Richelle Pereira da Cunha¹, Helder Nunes da Cunha², Alexandre de Castro Maciel², Roberto Mendonça Faria³; ¹Escola de Engenharia de São Carlos- Universidade de São Paulo, ²Universidade Federal do Piauí, ³Universidade de São Paulo
- 17:45 N-channel organic field-effect transistors fabricated by the Inkjet printing technique** L.P2.92
Josiani Cristina Stefanelo¹, Lilian Soares Cardoso¹, Roberto Mendonça Faria²; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade de São Paulo
- 17:45 Depth profile conductivity in ITO and transparent oxides** L.P2.93
Maykol Damasceno Oliveira¹, Ángel Alberto Hidalgo¹, Edivaldo L. Queiróz¹; ¹Universidade Federal do Piauí

- 17:45 The influence of the composition in light-emitting properties of composites produced with PEDOT:PSS, GPTMS and Zn₂SiO₄:Mn** L.P2.94
Flávio Henrique Feres¹, Giovani Gozzi¹; ¹Universidade Estadual Paulista-Campus Rio Claro
- 17:45 Development, improvement and evaluation of parameters of a spray machine for polymeric thin films** L.P2.95
Pedro Cicolin Leme¹, Fernando Josepetti Fonseca¹, Guilherme de Souza Braga¹; ¹Escola Politécnica de Universidade de São Paulo
- 17:45 Spin-coated Metal-Insulator-Semiconductor capacitors based on P3HT-PVP for sensing applications.** L.P2.96
Marcos Antonio Moura de Sousa¹, Oswaldo Novais Oliveira Jr¹; ¹Institute of Physics of São Carlos - USP
- 17:45 Effect Of Oxygen On The Electrical Properties Of Bulk Heterojunction Organic Solar Cells** L.P2.97
Daniel Roger Bezerra Amorim¹, Roberto Mendonça Faria², Douglas Coutinho Coutinho³; ¹Instituto de Física de Saõ Carlos - USP, ²Universidade de São Paulo, ³Universidade Tecnológica Federal do Paraná
- 17:45 Characterization of digital textile printing and polymer blend (PFO-DMP:P3HT) for application in manufacture of organic diodes emitting white light – WOLEDs.** L.P2.98
Emanuelle Ferreira Thomazini¹, Madson Albertini², Wesley Renzi², Flavio Franchello², Ivan Frederico Lupiano Dias², José L. Duarte², Luiz Carlos Poças³, Sidney Alves Lourenço³, Marco Aurélio Toledo da Silva³; ¹Instituto Tecnológico da Aeronáutica, ²Universidade Estadual de Londrina, ³Universidade Tecnológica Federal do Paraná
- 17:45 Understand the exciton dynamics in conjugated polymer/chlorophyll heterostructures** L.P2.99
Gustavo Targino Valente¹, Francisco Eduardo Gontijo Guimarães¹; ¹Institute of Physics of São Carlos - USP
- 17:45 A study of conductivity in the composite of poly((3-hexylthiophene):TIPs-pentacene** L.P2.100
Maiza da Silva Ozório¹, Douglas Henrique Vieira¹, Neri Alves¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Correlation of film morphology, chemical composition and electrical properties of light-emitting electrochemical cells (LECs)** L.P2.101
Thalita Antoniassi Canassa¹, Renan Pereira Pedro¹, Guilherme Rodrigues de Lima¹, Lucas Fugikawa Santos¹; ¹Universidade Estadual Paulista - Campus de São José do Rio Preto
- 17:45 Direct charge-carrier mobility determination by open-gate potential decay time measurement** L.P2.102
Guilherme Rodrigues de Lima¹, João Paulo Braga¹, Lucas Fugikawa Santos¹; ¹Universidade Estadual Paulista - Campus de São José do Rio Preto
- 17:45 Liquid crystalline phthalocyanines as semiconductor layers for OFETs** L.P2.103
Ezequiel Melo Melo¹, Juliana Eccher¹, Petru Apostol², Harald Bock², Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal
- 17:45 Synthesis and application of 2-aminoanthracene derivatives on OLEDs** L.P2.104
Fernanda Amorim Santos¹, Ana Paula da Rocha Pissurno¹, Willian Pereira Gomes¹, Regiane Godoy Lima¹, Rosangela Silva Laurentiz¹; ¹Faculdade de Engenharia/UNESP-IS

- 17:45 Electrical properties of organic thin-film diodes manufactured by automated spray deposition** **L.P2.105**
José Bruno Cantuária¹, Guilherme Rodrigues de Lima¹, Lucas Fugikawa Santos¹; ¹Universidade Estadual Paulista - Campus de São José do Rio Preto
- 17:45 Screen-printed PEDOT:PSS/MWNT-based electrodes onto paper for supercapacitor applications** **L.P2.106**
Maykel dos Santos Klem^{1,2}, Aline Santos², Rogério Miranda Morais^{1,2}, Neri Alves^{1,2}; ¹Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ²Universidade Estadual Paulista - Campus de Presidente Prudente
- 17:45 Fabrication of a vertical field-effect transistor using Al₂O₃/PMMA and Sn permeable electrode** **L.P2.107**
Gabriel Leonardo Nogueira^{1,2}, Maiza da Silva Ozório^{1,2}, Marcelo Marques da Silva^{1,2}, Rogério Miranda Morais^{1,2}, Neri Alves^{1,2}; ¹Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ²Universidade Estadual Paulista - Campus de Presidente Prudente
- 17:45 Alternating conductivity of PANI/PVS thin films: Effect of doping and temperature** **L.P2.108**
Alana Fernandes Golin¹, Rodrigo Fernando Bianchi¹; ¹Universidade Federal de Ouro Preto
- 17:45 Study of the stability of characteristic parameters of thin-film transistors (TFTs) with an active layer of metal oxide in ambient atmosphere.** **L.P2.109**
João Paulo Braga¹, Guilherme Rodrigues de Lima¹, Lucas Fugikawa Santos¹; ¹Universidade Estadual Paulista - Campus de São José do Rio Preto
- 17:45 Anodized oxide for use inorganic electronics.** **L.P2.110**
Marcelo Marques da Silva^{1,2}, Gabriel Leonardo Nogueira^{1,2}, Neri Alves^{1,2}, José Alberto Giacometti³; ¹Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ²Universidade Estadual Paulista - Campus de Presidente Prudente, ³Instituto de Física de São Carlos - Universidade de São Paulo
- 17:45 Temperature dependent measurements on a PBDTT-FTTE:PC₇₁BM-based organic solar cell** **L.P2.111**
Francineide Lopes de Araújo¹, Douglas Coutinho Coutinho², Alexandre de Castro Maciel³, Andrew M Telford⁴, Sachetan Tuladhar⁴, Jenny Nelson⁴, Roberto Mendonça Faria¹; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade Tecnológica Federal do Paraná, ³Universidade Federal do Piauí, ⁴Imperial College London
- 17:45 A Study of an electrochemical transistor based on PEDOT: PSS/MWNCT screen printed onto flexible substrates** **L.P2.112**
Aline Santos¹, Rogério Miranda Morais^{2,1}, Maykel dos Santos Klem^{2,1}, Neri Alves¹; ¹Universidade Estadual Paulista - Campus de Presidente Prudente, ²Programa de Pós-Graduação em Ciência e Tecnologia de Materiais
- 17:45 Study of charge transfer process on cyanine dyes blends by Light-induced Electron Spin Resonance** **L.P2.113**
Marcus Vinícius Gonçalves Vismara¹, Oswaldo Nunes-Neto¹, Anna Christina Véron², Jakob Heier², Geiger Thomas², Frank Nüesch², Carlos F. O. Graeff¹; ¹Universidade Estadual Paulista - Campus Bauru, ²Swiss Federal Laboratories for Materials Science and Technology

- 17:45 Transparent Organic Light up-Converter Devices (TOLCDs) based on sensitive near-infrared cyanines and naphthalocyanines** **L.P2.114**
Rian Esteves Aderne¹, Sandra Jenatsch², Anna Christina Véron², Roland Hany², Mônica Cristina Melquíades³, Cristiano Legnani³, Welber Gianini Quirino³, Marco Cremona¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Swiss Federal Laboratories for Materials Science and Technology, ³Universidade Federal de Juiz de Fora
- 17:45 Investigation on charge carrier mobility in rrP3HT:PMMA blends for OPV application** **L.P2.115**
Harold Jose Camargo Avila¹, Arthur Rodrigues J. Barreto¹, Cristol Gouvêa^{1,2}, Fernando Stavale³, Deyse Costa⁴, Marco Cremona¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Instituto Nacional de Metrologia, Qualidade e Tecnologia, ³Centro Brasileiro de Pesquisas Físicas, ⁴Fundação Universidade Federal de Viçosa
- 17:45 Study of optical anisotropy in thin films of akyl-polythiophene derivative** **L.P2.116**
EMILLY SILVA GERVAZONI¹, Edilene Assunção da Silva¹, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Study of photoconductivity effect in organized alkyl- polythiophene derivative films** **L.P2.117**
Lucas Ferreira Xavier Ortega¹, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Analysis of Structural Properties of PVA/PANI Nanofibers Electrospun** **L.P2.118**
Jessyka Carolina Bittencourt¹, Sabrina Aléssio Camacho¹, Carlos José Leopoldo Constantino¹, Deuber Lincon da Silva Agostini¹, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Fabrication and Electrical Characterization of Nanostructured Films of Polythiophene Derivatives.** **L.P2.119**
Lucas Kaique Roncaselli¹, Maria Luisa Braunger², Edilene Assunção da Silva¹, Marystela Ferreira³, Henrique de Santana⁴, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Estadual de Campinas, ³Universidade Federal de São Carlos - campus Sorocaba, ⁴Universidade Estadual de Londrina
- 17:45 Fabrication and characterization of low- band gap polymer films PCPDTBT/stearic acid deposited by Langmuir Blodgett** **L.P2.120**
Vinicius Jessé Rodrigues de Oliveira¹, Maria L. Braunger², Roger C. Hiorns³, Christine Dagron Lartigau³, Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Estadual de Campinas, ³Université de Pau et des Pays de l'Adour
- 17:45 Characterization of a Columnar Liquid Crystal Doped with Metallic Nanoparticles** **L.P2.121**
Bárbara Schvuchov Kern¹, Juliana Eccher¹, Deborah S. A. Liguori¹, Harald Bock², Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal
- 17:45 Study of Homeotropic Alignment in Thin Films of Columnar Liquid Crystals** **L.P2.122**
Luiza Spanamberg Silveira de Souza¹, Juliana Eccher¹, Marli Ferreira^{1,2}, Deise M. P. O. Santos^{1,2}, Harald Bock², Hugo Gallardo¹, Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal

- 17:45 PM-IRRAS studies of Langmuir and Langmuir Blodgett films of polythiophene/stearic acid** **L.P2.123**
Edilene Assunção da Silva¹, Laura Oliveira Péres², Luciano Caseli², Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Federal de São Paulo - Campus de Diadema
- 17:45 Spectroscopic Ellipsometry of thin films of Titanium Oxynitride – TiON** **L.P2.124**
Hunos Paixão Madureira¹, Ángel Alberto Hidalgo¹, Rômulo Ribeiro Magalhães de Sousa¹, Jussier de Oliveira Vitoriano², Cleânio Luz Lima¹, Clodomiro Alves Jr.³; ¹Universidade Federal do Piauí, ²Universidade Federal do Rio Grande do Norte, ³Universidade Federal Rural do Semi
- 17:45 Photophysics of fluorescent polystyrenes based on ESIPT monomers** **L.P2.125**
Luís Gustavo Duarte¹, Jônatas Faleiro Berbigier², Janaína Menezes Perez², Priscila Sayoko Silva Wakabayashi³, Alexandre Gonçalves Dal Bó³, Tiago Elias Allievi Frizon³, Fabiano Severo Rodembusch²; ¹Universidade Estadual de Campinas, ²Universidade Federal do Rio Grande do Sul, ³Universidade do Extremo Sul Catarinense
- 17:45 Organic photovoltaic devices based on discotic liquid crystals** **L.P2.126**
Simone VENTURIM Bernardino¹, Juliana Eccher¹, Marli Ferreira¹, Deise M. P. O. Santos¹, Harald Bock², Ivan H. Bechtold¹, Marta E. R. Dotto¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal
- 17:45 Effect of solvents and donor/acceptor concentration in the energy transference of PFO:P3OT blends** **L.P2.127**
Wesley Renzi¹, Neusmar Junior Artico Cordeiro¹, Flavio Franchello¹, Vitor Bianchin Pelegati², Carlos Lenz Cesar², Edson Laureto Laureto¹, José Leonil Duarte¹; ¹Universidade Estadual de Londrina, ²Instituto de Física "Gleb Wataghin"
- 17:45 STUDY OF ELECTRICAL CONDUCTIVITY OF MIXED POLYTHIOPHENE DERIVATIVES LANGMUIR-BLODGETT FILMS** **L.P2.128**
Aislan Douglas Machado¹, Edilene Assunção da Silva¹, Maria L. Braunger², Clarissa de Almeida Olivati¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Estadual de Campinas
- 17:45 A Photophysical Interpretation of the Thermochromism Polyfluorene Derivative-Europium Complex in Different Proportions of Polymer/Europium** **L.P2.129**
Raquel Aparecida Domingues¹, Denis Augusto Turchetti², Matheus Guthemberg Setter³, Teresa Dib Zambon Atvars³, Leni Campos Akcelrud²; ¹Universidade Federal de São Paulo, ²Universidade Federal do Paraná, ³University of Campinas
- 17:45 Correlations between structure and chiral properties of polyfluorene derivatives** **L.P2.130**
Bruno Nowacki¹, Cristiano Zanlorenzi¹, Alexander Baev², Paras Prasad², Leni Akcelrud¹; ¹Universidade Federal do Paraná, ²University at Buffalo
- 17:45 Light emission of a polyfluorene derivative containing complexed europium ions** **L.P2.131**
Denis Augusto Turchetti¹, Mariela Nolasco², Daiane Szczerbowski¹, Luis Dias Carlos², Leni Akcelrud¹; ¹Universidade Federal do Paraná, ²Universidade de Aveiro

- 17:45 Self-Assembly Monolayers of Gold Nanorods (AuNRs) for SERS Substrates Applications** L.P2.132
Anerise de Barros¹, Cristine Santos de Oliveira¹, Larissa Helena de Oliveira², Diego Pereira dos Santos¹, Italo Odone Mazali¹; ¹Instituto de Química - UNICAMP, ²Universidade Estadual de Campinas
- 17:45 GHz permittivity of composites of carbon black and polyaniline with styrene-butadiene-styrene** L.P2.133
Carla Patrícia Lacerda Rubinger¹, Maria Elena Leyva¹; ¹Universidade Federal de Itajubá
- 17:45 Electronic structure calculations for the study of polypyrrole-based chemical sensors: evaluation of structural and reactivity properties** L.P2.134
Susan Aki Kitai¹, Augusto Batagin Neto¹; ¹Universidade Estadual Paulista - Campus Itapeva
- 17:45 The influence of conjugated blend on luminescent properties of polyfluorene** L.P2.135
Giovana Artuzo Parolin¹, Laura Oliveira Péres¹, Roselena Faez²; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Universidade Federal de São Carlos
- 17:45 The effect of roughness in the sheet resistance of printed films on paper** L.P2.136
Rogério Miranda Morais^{1,2}, Maykel dos Santos Klem^{1,2}, Aline Santos², Gabriel Leonardo Nogueira^{1,2}, Neri Alves^{1,2}; ¹Programa de Pós-Graduação em Ciência e Tecnologia de Materiais, ²Universidade Estadual Paulista - Campus de Presidente Prudente
- 17:45 Photophysical Study of Charge Transfer Interactions Between Donor-Acceptor Columnar Liquid Crystals** L.P2.137
Franco Sauvisky¹, Edivandro Giroto^{1,2}, Deise M. P. O. Santos^{1,2}, Harald Bock², Hugo Gallardo¹, Ivan H. Bechtold¹, Marta Elisa Rosso Dotto¹; ¹Universidade Federal de Santa Catarina, ²Centre de Recherche Paul Pascal

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION L.OR7 (08:30 - 10:15) - Room Amoreiras II

- 09:00 Eumelanin for bioelectronics** L.OR7.25*
Carlos F. O. Graeff¹; ¹Universidade Estadual Paulista - Campus Bauru
- 09:30 Triplet Exciplex Electroluminescence from Two Columnar Liquid Crystal Semiconductors** L.OR7.26
Juliana Eccher¹, Ana Cláudia Batista Almeida², Thiago Cazati², Heinz von Seggern³, Harald Bock⁴, Ivan H. Bechtold¹; ¹Universidade Federal de Santa Catarina, ²Universidade Federal de Ouro Preto, ³Technische Universität Darmstadt, ⁴Centre de Recherche Paul Pascal

- 09:45 Novel Lanthanide (III) β -diketonate Ternary Complexes for NIR Organic Light Emitting Diodes** **L.OR7.27**
zubair ahmed¹, Rian Aderne¹, Jiang Kai¹, marco cremona¹; ¹Pontifícia Universidade Católica do Rio de Janeiro
- 10:00 Chemical sensors array analysis for concentration determination in a binary mixture of analytes** **L.OR7.28**
Rafael Rodrigues¹, Mildred Awuor Airo², Siziwe Gqoba², Nosipho Moloto², Márcia Windson Costa Caetano Greenshields¹, Messai A. Mamo³, Neil John Coville², Alfredo R. M. de Oliveira¹, Ivo Alexandre Hümmelgen¹;
¹Universidade Federal do Paraná, ²University of the Witwatersrand, ³University of Johannesburg

SYMPOSIUM M - Plasmonics and Photonics in Nanostructured Materials

Symposium organizers:

Lazaro A. Padilha (*UNICAMP*)

Luciana Reyes Pires Kassab (*FATEC-SP*)

Zakya H. Kafafi (*Lehigh University*)

Diogo Burigo Almeida (*University of Michigan*)

Cid Bartolomeu de Araújo (*UFPE*)

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION M.OR1 (09:45 - 10:45) - Room Cerejeira

- 09:45 Linear and Nonlinear Optics in Two-Dimensional Materials and Nanocomposites** **M.OR1.1***
Christiano J.S. de Matos¹; ¹Universidade Presbiteriana Mackenzie
- 10:15 Suppression of the surfactant-induced SERS blinking in a graphene oxide/gold nanorod nanocomposite** **M.OR1.2**
Pilar Gregory Vianna¹, Daniel Grassescchi¹, Greice K. B. Costa^{2,3}, Isabel C. S. Carvalho³, Sergio H. Domingues¹, Jake Fontana⁴, Christiano J. S. de Matos¹; ¹Universidade Presbiteriana Mackenzie, ²Universidade Federal do Rio de Janeiro, ³Pontifícia Universidade Católica do Rio de Janeiro, ⁴Naval Research Laboratory
- 10:30 Alloyed thin films and nanostructures for plasmonics** **M.OR1.3**
Marina S Leite¹; ¹Department of Materials Science and Engineering Institute for Research in Electronics

SESSION M.OR2 (11:15 - 12:00) - Room Cerejeira

- 11:15 A SEF sandwich nanobiosensor based on Au nanorods** **M.OR2.4**
Linus Pauling Faria Peixoto¹, Jacqueline Ferreira Leite Santos², Gustavo Fernandes Souza Andrade¹; ¹Universidade Federal de Juiz de Fora, ²Universidade Federal do Rio Grande do Sul
- 11:30 Simple Approach to Obtain a Localized Surface Plasmon Resonance Sensor Based on poly(dimethylsiloxane)/Gold Nanoparticles Nanocomposite** **M.OR2.5**
Anderson Thesing¹, Lara F. Loguercio¹, Arthur Exner¹, Jacqueline Ferreira¹, Marcos Jose Leite Santos¹; ¹Universidade Federal do Rio Grande do Sul
- 11:45 Sensing platform obtained by Insitu electrochemical synthesis of gold nanoparticles on ITO substrate in aqueous/ionic liquid media: electrochemical and plasmonic sensor** **M.OR2.6**
Lara F. Loguercio¹, Anderson Thesing¹, Pedro G. Demingos¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION M.OR3 (09:45 - 10:45) - Room Carvalho I

- 09:45 Interface Engineering Colloidal Quantum Dot Solar Cells via Surface Chemistry and Band Gap Control** **M.OR3.7***
Nanlin Zhang¹, Darren Neo¹, Yujiro Tazawa¹, Xiuting Liu¹, Hazel Assender¹, Richard G Compton¹, Andrew A.R. Watt²; ¹University of Oxford, ²Department of Materials, University of Oxford, Oxford OX1 3PH, United Kingdom
- 10:15 Commercial Prospects for Using Quantum Dots in Solid-State Lighting** **M.OR3.8***
Hunter McDaniel¹, Matt Bergren¹, Karthik Ramasamy¹, Aaron Jackson¹;
¹UbiQD, LLC, 134 Eastgate Dr, Los Alamos, NM 87544

SESSION M.OR4 (11:15 - 12:00) - Room Carvalho I

- 11:15 Cesium Lead Halide Perovskite Quantum Dots for Optoelectronic Applications** **M.OR4.9**
Emre Yassitepe¹, Zhenyu Yang², Oleksandr Voznyy², Juan Andrés Castañeda³, Lazaro A Padilha³, Edward H Sargent², Ana Flávia Nogueira¹; ¹Institute of Chemistry-UNICAMP, ²University of Toronto, ³Instituto de Física Gleb Wataghin - UNICAMP
- 11:30 Structurally engineered nanocrystal quantum dots for optoelectronic applications** **M.OR4.10***
Wan Ki Bae¹; ¹Korea Institute of Science and Technology

SESSION M.OR5 (14:00 - 16:15) - Room Carvalho I

- 14:00 Optical Nonlinearities with Metallic Nanoparticles : Second Harmonic Generation and Beyond** **M.OR5.11***
Pierre-François Brevet¹; ¹University Claude Bernard Lyon 1
- 14:30 Direct observation of plasmonic hot spots from the second and third harmonic near-fields in two-dimensional gold nanotriangle arrays** **M.OR5.12**
Jorge Ricardo Mejía Salazar¹, Edna Regina Spada¹, Raul de Oliveira Freitas², Francisco Carlos Barbosa Maia², Roberto Mendonça Faria¹, Osvaldo Novais Oliveira Jr¹; ¹Instituto de Física de São Carlos - USP, ²Laboratório Nacional de Luz Síncrotron
- 14:45 Femtosecond laser pulses in diamond: nonlinear optics and defect generation for quantum information** **M.OR5.13**
Juliana M.P. Almeida¹, Charlie Oncebay¹, Jonathas de Paula Siqueira¹, Leonardo De Boni¹, Francisco Eduardo Gontijo Guimarães¹, Sérgio R. Muniz¹, Cleber Renato Mendonça¹; ¹São Carlos Institute of Physics
- 15:00 Photoluminescence and nonlinear optical properties of rare-earth doped borate nanomaterials** **M.OR5.14***
Lauro June Queiroz Maia¹; ¹Universidade Federal de Goiás

- 15:30 Third-order nonlinear optical response of Pt nanoparticles and Pt ions in sapphire** **M.OR5.15**
 Bonifacio Uc Can¹, Raúl Rangel Rojo¹, Aldo Peña Ramírez¹, Henrique Thadeu Baltar de Medeiros Cabral Moraes², Cid Bartolomeu de Araújo², Alejandro Crespo Sosa³, María-Luisa García-Betancourt³, Alicia María Oliver y Gutiérrez³; ¹Centro de Investigación Científica y de Educación Superior de Ensenada, ²Universidade Federal de Pernambuco, ³Universidad Nacional Autónoma de México
- 15:45 Controlling light with Plasmonics** **M.OR5.16***
 Leonardo de Farias Araujo¹, Sebastian Etcheverry², Greice Kelly Bezerra da Costa³, João Manoel Barbosa Pereira¹, Alexandre de Resende Camara⁴, Christiano J.S. de Matos⁵, Walter Margulis², Jake Fontana⁶, Isabel C. S. Carvalho¹; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Acreo Swedish ICT AB, ³Universidade Federal do Rio de Janeiro, ⁴Universidade do Estado do Rio de Janeiro, ⁵Universidade Presbiteriana Mackenzie, ⁶Naval Research Laboratory

Poster presentations

SESSION M.P1 (17:45 - 19:30)

- 17:45 The reduction of tellurium in binary glasses in the system TeO₂-Sb₂O₃** **M.P1.1**
Tamires Martinhão Machado¹, Maurício Antonio Pereira da Silva¹;
¹Universidade Federal de Juiz de Fora
- 17:45 Synthesis of SiO₂-MoO₃ silicate glasses by sol-gel method for photonic application** **M.P1.2**
Marina Gomes Murta Moreno¹, Roberto Bertholdo¹; ¹Universidade Federal de Alfenas
- 17:45 Synthesis and characterization of copper-silicon oxide multilayer of nanocomposites for plasmonic photovoltaic applications.** **M.P1.3**
Felipe Mondaca¹, Mauricio Arias¹, Ramon Zarate¹; ¹Universidad Católica del Norte
- 17:45 Revealing the Unique Band Structure of CuInS₂, CuInSe₂ and CuInSe_xS_{2-x} (CIS) Quantum Dots** **M.P1.4**
Gabriel Nagamine¹, Hunter McDaniel², Lazaro A Padilha¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Ubiquitous Quantum Dots
- 17:45 Microstructured Polymer Optical Fiber and Silver Nanoparticles to Collect and Enhance, via Plasmon Effect, a Dye Fluorescence** **M.P1.5**
Dayane de Souza Bancoff¹, Linus Pauling Faria Peixoto², Thiago Henrique Rosales Marques¹, Gustavo Fernandes Souza Andrade², Cristiano Monteiro de Barros Cordeiro¹; ¹Universidade Estadual de Campinas, ²Universidade Federal de Juiz de Fora
- 17:45 Crystals growth of BZFO applied in gas sensors** **M.P1.6**
Paola Gay dos Santos¹, Mário Lúcio Moreira¹, Rafael Uarth Fassbender¹, Luís Fernando da Silva²; ¹Universidade Federal de Pelotas, ²Instituto de Química de Araraquara/UNESP

- 17:45 Preparation and characterization of fluorotellurite glasses in the ternary system $\text{TeO}_2\text{-Nb}_2\text{O}_5\text{-PbF}_2$** **M.P1.7**
Juliana Santos Barbosa¹, Camila Pereira², Fabia Castro Cassanjes¹, Gaël Poirier¹; ¹Universidade Federal de Alfenas, ²Instituto Federal de Educação, Ciência e Tecnologia de São Paulo
- 17:45 Feasibility of the determination of fluorine in glass samples by high-resolution continuum source molecular absorption spectrometry** **M.P1.8**
Carolina Dakuzaku Freschi¹, Luis Felipe Costa Gouvêa¹, Gian Paulo Freschi¹, Gaël Poirier¹; ¹Universidade Federal de Alfenas
- 17:45 Improved stability of gold nanospheres protected by chitosan in the presence of KCl and ethanol aggregating agents** **M.P1.9**
DEBORA GUIMARAES OLIVEIRA¹, Giovana Almeida Pimentel¹, Gustavo Fernandes Souza Andrade¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Analytical and experimental study of the reflectivity of a gold film under Kretschmann configuration for varying external refractive index** **M.P1.10**
Dayane de Souza Bancoff, Wanderleia Dias¹, Jonas Henrique Osório¹, René Alfonso Nome¹, Cristiano Monteiro de Barros Cordeiro¹; ¹Universidade Estadual de Campinas
- 17:45 Improving the stability of gold nanoparticles by chitosan for the SERS study of adsorption of dyes** **M.P1.11**
DEBORA GUIMARAES OLIVEIRA¹, Linus Pauling Faria Peixoto¹, Santiago Sánchez-Cortés², Gustavo Fernandes Souza Andrade¹; ¹Universidade Federal de Juiz de Fora, ²Instituto de la Estructura de la Materia
- 17:45 Waveguide system glassy by femtosecond laser irradiation** **M.P1.12**
Sabrina Nicoleti Carvalho dos Santos¹, Gustavo Foresto B. Almeida², Juliana M.P. Almeida², Cleber R. Mendonça²; ¹Instituto de Física de São Carlos - USP, ²Instituto de Física de São Carlos
- 17:45 Synthesis of silver nanoprisms and their SERS activity** **M.P1.13**
Beatriz Rocha de Moraes¹, Celly Mieko Shinohara Izumi¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Silver nanoparticles enhances VIS and NIR luminescence of Pr^{3+} doped TZYN glasses: Effect of heat treatment** **M.P1.14**
Rajesh Dagupati¹, Mohammad Reza Dousti^{2,1}, Raja Junaid Amjad^{1,3}, Andrea Simone Stucchi de Camargo¹; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade Federal de Alagoas, ³COMSATS Institute of Information Technology
- 17:45 Electron Transfer Between PbS Quantum Dots and Metal Oxides** **M.P1.15**
Ana Carolina Rodrigues¹, Lázaro Aurélio Padilha¹; ¹Instituto de Física "Gleb Wataghin"
- 17:45 Exciton-exciton interaction in cesium-lead-halide perovskite quantum dots** **M.P1.16**
Juan Andrés Castañeda¹, Gabriel Nagamine¹, Emre Yassitepe¹, Luiz Gustavo Bonato¹, Sjoerd Hoogland², Ana Flávia Nogueira¹, Edward H Sargent², Carlos Henrique Brito Cruz¹, Lázaro A Padilha¹; ¹Universidade Estadual de Campinas, ²University of Toronto
- 17:45 Neodymium and Silver Nanoparticles Codoped Binary Zinc Tellurite Nonlinear Glass Laser Matrix** **M.P1.17**
Lyane Costa¹, Maria José Valenzuela Bell¹, Virgílio de Carvalho dos Anjos¹, Rodrigo Ferreira Falci¹, Hamid Reza Darabian¹, Luciana Kassab², D S da Silva³; ¹Universidade Federal de Juiz de Fora, ²UNESP, ³Universidade de São Paulo

- 17:45 Lanthanide Luminescence: Europium complexes, Photoluminescence and Computational Chemistry Analyses** **M.P1.18**
João Marcos Brandet¹, Elson Longo², Ieda Lúcia Viana Rosa³, Felipe Almeida La Porta¹; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Química, UNESP - Universidade Estadual Paulista, Araraquara, ³Universidade Federal de São Carlos
- 17:45 Influence of Shell Thickness on the Two Photon Absorption of Core/Shell Heterostructures** **M.P1.19**
Leonardo Werneck Trindade de Barros¹, Ana Gabriela de Freitas Barbosa¹, Byeong Jeong², Wan Bae³, Lazaro A Padilha¹; ¹Instituto de Física "Gleb Wataghin", ²Kigali Institute of Science & Technology, ³Korea Advanced Institute of Science & Technology
- 17:45 Energy conversion using nano and meso structures of BaHfO₃** **M.P1.20**
Vanessa Delfino Kegler¹, Mário Lúcio Moreira², Cristiane Raubach Ratmann², Tatiane Strelow Lilge²; ¹Fundação Universidade Federal de Rondônia, ²Universidade Federal de Pelotas
- 17:45 Shell-Isolated Nanoparticle-Enhanced Fluorescence (SHINEF) of CdTe Quantum Dots** **M.P1.21**
Igor Osorio Roman¹, Caroline Silva Danna^{2,1}, Aldo Eloizo Job¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Faculdade de Presidente Prudente
- 17:45 Au@MnO₂ : substrates for SHINERS and SHINEF** **M.P1.22**
Gabriela de Paula Oliveira¹, Gustavo Fernandes Souza Andrade¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Upconversion photoluminescence generation due to absorption of four- and five-photons in Y₂SiO₅:Tb³⁺** **M.P1.23**
Simone Araújo Vieira¹, Igor Pessoa Miranda¹, Nikifor Rakov Gomez², Cid Bartolomeu de Araújo¹, Edilson Lucena Falcão-Filho¹; ¹Universidade Federal de Pernambuco, ²Fundação Universidade Federal do Vale do São Francisco
- 17:45 Reversible memory phenomena in TeO₂-ZnO films with Au nanoparticles** **M.P1.24**
Leonardo Bontempo¹, Sebastião G. dos Santos Filho¹, Luciana Reyes Pires Kassab²; ¹Escola Politécnica de Universidade de São Paulo, ²Faculdade de Tecnologia de São Paulo
- 17:45 Surface relief gratings made by interference lithography: application as plasmonic sensors and as template for flexible sensors** **M.P1.25**
Arthur Exner¹, Anderson Thesing¹, Ribal Georges Sabat², Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul, ²Royal Military College of Canada
- 17:45 Luminescent properties of Rhodamine-B-doped organic/Silica monolithic Xerogels prepared by sol-gel process** **M.P1.26**
Diego da Silva Manoel¹, Fábio Simões de Vicente¹, Dimas Roberto Vollet¹, Dario Antonio Donatti², Alexandre Mesquita²; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Giant Hyper-Rayleigh Scattering Observed in a Class of Chiral Polymers** **M.P1.27**
Marcelo Gonçalves Vivas¹, Guy Koeckelberghs², Cleber R. Mendonça³, Leonardo De Boni⁴; ¹Universidade Federal de Alfenas, ²Katholieke Universiteit Leuven, ³Instituto de Física de São Carlos - USP, ⁴Instituto de Física de São Carlos - USP

- 17:45 Investigation of Non-Stoichiometric Silicon Nitride Optical and Electrical Properties for Electroluminescence Applications** **M.P1.28**
Francio Souza Berti Rodrigues¹, Guilherme Sombrio¹, Paulo Franzen¹, Henri Ivanov Boudinov¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Periodic surface pattern and nanostructure formation on glass during simultaneous mid-IR and deep-UV irradiation** **M.P1.29**
Felipe Ptak Lemos¹, Paula Caldas¹, Rodrigo Prioli Menezes¹, Isabel C. S. Carvalho¹, Michael Fokine²; ¹Pontifícia Universidade Católica do Rio de Janeiro, ²Royal Institute of Technology / Kungliga Tekniska Högskolan
- 17:45 Plasmonic silver nanowires as sensitive sensors for herbicide thiram through Surface-enhanced Raman Spectroscopy: understanding the adsorption behavior and analytical limit of detection** **M.P1.30**
Paola Corio¹, Evandro Ivanov¹, Romulo Augusto Ando¹; ¹Instituto de Química - USP
- 17:45 Crystallization of anatase TiO₂ in niobium potassium phosphate glasses** **M.P1.31**
Carolina Dakuzaku Freschi¹, José Tadeu Gouvea Junior¹, Lia Mara Silva Marcondes¹, Jefferson Luis Ferrari², Fabia Cassanjes¹, Gian Paulo Freschi¹, Gaël Poirier¹; ¹Universidade Federal de Alfenas, ²Universidade Federal de São João Del Rei
- 17:45 Plasmonics effects in Cu nanoparticles-containing tellurite glasses** **M.P1.32**
Tamires Martinhão Machado¹, Gustavo Fernandes Souza Andrade¹, Maurício Antonio Pereira da Silva¹; ¹Universidade Federal de Juiz de Fora
- 17:45 Plasmonic effects, energy transfer, or chemical exchange: on the optical properties of WO₃-NaPO₃ glasses doped with trivalent rare earth ions and containing silver nanoparticles** **M.P1.33**
Mohammad Reza Dousti¹, Gaël Poirier², Raja Junaid Amjad³, Andrea Simone Stucchi de Camargo³; ¹Universidade Federal de Alagoas, ²Universidade Federal de Alfenas, ³Instituto de Física de São Carlos
- 17:45 Spectroscopic investigation of sulfur-based self-assembled gold nanoparticles arrays** **M.P1.34**
Danilo OLIVEIRA DE SOUZA¹, Adílson R. Prado¹, Maria José Pontes¹, Moises Renato Nunes Ribeiro¹; ¹Universidade Federal do Espírito Santo
- 17:45 Infrared photoluminescence of Nd³⁺-Yb³⁺ doped germanate oxide glass under excitation at 977.7 nm** **M.P1.35**
Felipe Elan Barbosa Silva¹, Maurício Eiji Camilo², José Augusto Magar Garcia², Luciana Reyes Pires Kassab², Edilson Lucena Falcão-Filho¹, Cid Bartolomeu de Araújo¹; ¹Universidade Federal de Pernambuco, ²Faculdade de Tecnologia de São Paulo
- 17:45 Luminescent Tantalum Germanate Glasses and Glass-ceramics** **M.P1.36**
Cristiano Ramos da Cunha¹, Fabia Cassanjes¹, Gael Yves Poirier¹; ¹Universidade Federal de Alfenas
- 17:45 Enhanced optical properties of Er³⁺ doped germanate glasses with Ag and Si nanoparticles for photonic applications** **M.P1.37**
Leonardo Bontempo¹, Renan Lucas Ribeiro², José Augusto Martins Garcia², Cid Bartolomeu de Araújo³, Luciana Reyes Pires Kassab²; ¹Escola Politécnica de Universidade de São Paulo, ²Faculdade de Tecnologia de São Paulo, ³Universidade Federal de Pernambuco
- 17:45 Production of core/shell nanoparticles by gas aggregation source and radial magnetron sputtering** **M.P1.38**
Valquiria Fernanda Lima¹, Douglas A. S Gioielli Santos¹, Antonio Domingues Santos¹; ¹Instituto de Física-USP

- 17:45 Band depletion and InAs quantum dots optical properties in III-V semiconductor nanomembranes** **M.P1.39**
 Lucas Atila Bernardes Marçal¹, Bárbara Rosa^{1,2}, Gustavo Almeida Magalhães Sáfar¹, Raul de Oliveira Freitas³, Oliver G. Schmidt⁴, Christoph Deneke^{5,4}, Paulo Sérgio Soares Guimarães^{1,2}, Angelo Malachias¹; ¹Universidade Federal de Minas Gerais, ²Instituto Nacional de Ciência e Tecnologia de Nanodispositivos Semicondutores, ³Laboratório Nacional de Luz Síncrotron, ⁴Leibniz Institute for Solid State and Materials Research Dresden, ⁵Brazilian Center for Research in Energy and Materials
- 17:45 Spherical silver nanoparticles over bidimensional supports for enhanced laser-assisted, SPR-mediated PATP oxidation** **M.P1.40**
Letizia Papa¹, Isabel Cristina de Freitas¹, Rafael dos Santos Geonmonond¹, Caroline Brambilla de Aquino², Joana Claudio Pieretti², Sergio Humberto Domingues², Romulo Augusto Ando¹, Pedro Henrique Cury Camargo¹; ¹Instituto de Química - USP, ²Universidade Presbiteriana Mackenzie
- 17:45 Nano-Spectroscopy on the photonic heterostructure: graphene-hexagonal Boron Nitride** **M.P1.41**
Francisco Carlos Barbosa Maia¹, Ingrid David Barcelos², Alisson Ronieri Cadore², Leonardo C. Campos², Angelo Malachias², Raul de Oliveira Freitas¹, Christoph Deneke¹; ¹Brazilian Center for Research in Energy and Materials, ²Universidade Federal de Minas Gerais
- 17:45 Synthesis and characterization of germanate glasses containing niobium oxide for luminescent devices** **M.P1.42**
Lia Mara Silva Marcondes¹, Brenda Batista de Oliveira¹, Isabela dos Santos Catozzo¹, Fabia Cassanjes¹, Gaël Poirier¹; ¹Universidade Federal de Alfenas

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION M.OR6 (08:30 - 10:15) - Room Carvalho I

- 08:45 Plasmon-Exciton interaction with plasmonic nanostructures** **M.OR6.17***
Euclides Marega Junior¹; ¹Instituto de Física de São Carlos - USP
- 09:15 Characterization of Surface Plasmons by SNOM** **M.OR6.18**
Antonio Domingues Santos¹, Fabio Lombardi Maximino¹; ¹Instituto de Física-USP
- 09:30 Random laser properties in Rhodamine B-doped SWCNT/polymer composites** **M.OR6.19**
Adriano J. G. Otuka¹, Lucas Fiocco Sciuti¹, Paulo Henrique Dias Ferreira², Cleber R. Mendonça¹, Leonardo De Boni¹; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Universidade Federal de São Carlos

09:45 Ethanol can control size of silver nanoparticles produced by assisted laser ablation M.OR6.20

Victor Ermakov¹, Ernesto Jimenez Villar², Emre Yassitepe³, Nelson Fabian Villegas Borrero¹, José Maria Clemente da Silva Filho¹, Gilberto Fernandes de Sá², Ana Flávia Nogueira³, Carlos Lenz Cesar⁴, Francisco das Chagas Marques¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Universidade Federal de Pernambuco, ³Universidade Estadual de Campinas, ⁴Instituto de Física Gleb Wathagin-UNICAMP

10:00 Glassy material processing by direct laser writing at ultrashort pulse regime M.OR6.21

Juliana M.P. Almeida¹, Danilo Manzani², Sidney J.L. Ribeiro², Antonio Carlos Hernandez¹, Craig B. Arnold³, Cleber R. Mendonça¹; ¹Instituto de Física de São Carlos, ²Instituto de Química de Araraquara/UNESP, ³Princeton University

SYMPOSIUM N - Advanced semiconductor and hybrid architectures

Symposium organizers:

Carlos César Bof Bufon (*LNNano/CNPEM*)

Christoph Deneke (*LNNano/CNPEM*)

Shay Reboh (*LETI*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION N.OR1 (09:45 - 10:45) - Room Amoreiras III

- 09:45 Programmed Assembly of Molecular Frameworks: a new class of Designer solids? N.OR1.1***
Christof Woell¹; ¹Karlsruhe Institute of Technology
- 10:15 Water-gated organic thin film transistors: operation and application as biosensors N.OR1.2**
Rafael Furlan de Oliveira¹, Leandro Merces^{2,1}, Tatiana Parra Vello^{2,1}, Carlos César Bof Bufon^{2,1}; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Estadual de Campinas
- 10:30 Strain-induced self-rolled-up organic field effect transistor N.OR1.3**
Kleyton Torikai^{1,2}, Rafael Furlan de Oliveira², Davi Henrique Starnini de Camargo², Carlos César Bof Bufon²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Centro Nacional de Pesquisa em Energia e Materiais

SESSION N.OR2 (11:15 - 12:00) - Room Amoreiras III

- 11:15 Study of effect the solvent in the nanosystems of ZnO@ZnS core-shell N.OR2.4**
Cristiane Raubach Ratmann¹, Efracio Mamani Flores¹, Ezequiel Cafumann Ratmann¹, Sergio da Silva Cava¹, Mário Lúcio Moreira¹; ¹Universidade Federal de Pelotas
- 11:30 Nickel Phthalocyanine / ZnO Nanorod Heterostructures for Ozone gas Sensing N.OR2.5**
Niravkumar Jitendrabhai Joshi¹, Luís Fernando da Silva², Flávio Makoto Shimizu¹, Jean Claude M'Peko¹, Valmor Roberto Mastelaro¹, Osvaldo Novais Oliveira Jr¹; ¹Instituto de Física de São Carlos, ²Instituto de Química de Araraquara/UNESP
- 11:45 Photoluminescence and structural study of Sm and Tb-doped TiO_x thin films N.OR2.6**
Diego Leonardo Silva Scoca^{1,2}, Antonio Ricardo Zanatta³, Fernando Alvarez^{4,2}; ¹Universidade Estadual de Campinas, ²UNICAMP, ³Instituto de Física de São Carlos - USP, ⁴Instituto de Física "Gleb Wataghin" - UNICAMP

SESSION N.OR3 (14:00 - 16:15) - Room Amoreiras III

- 14:00 Megahertz Flexible Low-Voltage Organic Thin-Film Transistors N.OR3.7***
Hagen Klauk¹; ¹Max Planck Institute for Solid State Research
- 14:30 Investigation of charge transport mechanisms in horizontal and vertical metal-organic heterojunctions N.OR3.8**
Leandro Merces^{1,2}, Rafael Furlan de Oliveira¹, Davi Henrique Starnini de Camargo¹, Carlos César Bof Bufon^{1,3}; ¹Brazilian Center for Research in Energy and Materials, ²UNICAMP, ³University of Campinas

- 14:45 Three-dimensional organic conductive networks embedded in paper for flexible and foldable devices** **N.OR3.9**
Murilo Santhiago¹, Jefferson Bettini¹, Sidnei Ramis Araujo¹, Carlos César Bof Bufon^{2,1}; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Estadual de Campinas
- 15:00 Structural, thermal, and electrical properties of hybrid PHB/Fe⁰ obtained by RF magnetron sputtering.** **N.OR3.10**
 Kelen Cristina dos Reis¹, Kelen Cristina dos Reis¹, Joaquim Paulo da Silva¹, Teodorico Castro Ramalho¹; ¹Universidade Federal de Lavras
- 15:15 Advanced characterization of semiconductors** **N.OR3.11***
Nikolay Cherkashin¹, François-Xavier Darras¹, Maxim Korytov¹, Christophe Gatel¹, Martin J. Hytch¹; ¹The National Center for Scientific Research
- 15:45 An alternative technology for RF packaging solutions based on soft substrates** **N.OR3.12**
 Célio Antônio Finardi¹, Cristina Battesini Adamo¹, Alexander Flacker^{1,2}, André Fontoura Ponchet¹, Ricardo Cotrin Teixeira¹, Roberto Ricardo Panepucci¹; ¹Centro de Tecnologia da Informação Renato Archer, ²Centro de Componentes Semicondutores-UNICAMP
- 16:00 Structural and thermodynamic analysis of the compound {[Zn(2,5-pdc)(H₂O)₂]. H₂O}_n and its dehydrated and delaminated forms.** **N.OR3.13**
Larissa Lavorato Lima¹, Leonã da Silva Flores¹, Sergio Rodrigues Tavares¹, Florence Pereira Novais Antunes¹, Gustavo Senra Gonçalves de Carvalho¹, Charlane Cimini Corrêa¹, Alexandre Amaral Leitão¹; ¹Universidade Federal de Juiz de Fora

Poster presentations

SESSION N.P1 (17:45 - 19:30)

- 17:45 Study of Al doped CaTiO₃ nanoparticles for As removal** **N.P1.1**
Rocío María Tamayo Calderón¹, Rodrigo A. Espinoza-González², Francisco Gracia Garoca¹; ¹University of Chile, ²Universidad de Chile
- 17:45 An automated approach to identify semiconductor properties** **N.P1.2**
Paulo Augusto Nardi¹, Ana Paula de Moura², José A. Varela²; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Química de Araraquara/UNESP
- 17:45 Of the β-Ag₂WO₄ to the α-Ag₂WO₄: A Structural and Morphological Study from the Variation on the Synthesis Temperature** **N.P1.3**
Pablo Santana Lemos¹, Román Alvarez Roca², Içamira Costa Nogueira¹, Elson Longo³; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de São Carlos, ³Instituto de Química - IQ - Unesp - Araraquara
- 17:45 Negative Photoconductivity in p-type PbTe:BaF₂ Films** **N.P1.4**
Paula Oliveira Braga¹, Demetrio Werner Soares¹, Marcelos Lima Peres¹, Mariana Andrade Boense Tavares¹, Marília Páscoa Pirralho¹, Fernando Silva Pena¹, Paulo Henrique Rapp², Eduardo Abramof²; ¹Universidade Federal de Itajubá, ²Instituto Nacional de Pesquisas Espaciais

- 17:45 Ultrafast Transport Transient in n-Doped ZnS in Wurtzite and Zinblende Phases** **N.P1.5**
Clóves Gonçalves Rodrigues¹, Agamenon Lima do Vale¹, Roberto Luzzi²;
¹Pontifícia Universidade Católica de Goiás, ²Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Growth and characterization of Mn-doped ZnO thin films** **N.P1.6**
Camila Ianhez Pereira dos Santos¹, Ariano De Giovanni Rodrigues¹, Marcio Peron Franco de Godoy¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Comparison of the photocatalytic activity of TiO₂ synthesized under different techniques of heat treatment and stirring types** **N.P1.7**
Marcela Dias França¹, Karen Araujo Borges², Lidiane Maria dos Santos³, Antonio Otavio Toledo Patrocínio³, Antônio Eduardo Hora Machado³; ¹Instituto Federal de Educação, Ciência e Tecnologia Goiano, Campus Ceres, ²Instituto Luterano de Ensino Superior de Itumbiara, ³Universidade Federal de Uberlândia
- 17:45 Anomalous photoconductivity in topological crystalline insulator Pb_{1-x}Sn_xTe** **N.P1.8**
Marcelos Lima Peres¹, Mariana Andrade Boense Tavares¹, Demetrio Werner Soares¹, Eduardo Abramof², Celso Israel Fornari², Anderson Kenji Okasaki², Paulo Henrique Rapp²; ¹Universidade Federal de Itajubá, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Defects-related optical properties on Zn_{1-x}Cd_xO thin films** **N.P1.9**
Suelen Castro¹, Sabrina Lara dos Reis¹, Ariano De Giovanni Rodrigues¹, Marcio Peron Franco de Godoy¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 ZrO₂ and Sb-doped SnO₂ thin films, obtained by Sol-Gel Technique, applied to FETs.** **N.P1.10**
Miguel Henrique Boratto¹, Lyudmila V. Goncharova², Giovanni Fanchini², Luis Vicente de Andrade Scalvi¹; ¹Faculdade de Ciências/Bauru, ²University of Western Ontario
- 17:45 Different growth regimes for Ag-catalyzed InP nanowires** **N.P1.11**
Mariana Nica Zavarize Nica¹, Douglas Soares de Oliveira^{2,3}, Luiz Henrique Galvão Tizei⁴, Mônica Alonso Cotta¹; ¹Universidade Estadual de Campinas, ²Instituto de Física "Gleb Wataghin"-UNICAMP, ³Instituto de Física "Gleb Wataghin" - UNICAMP, ⁴Université Paris-Sud
- 17:45 Transition from negative to positive photoconductivity in p-type Pb_{1-x}Eu_xTe films** **N.P1.12**
Marília Páscoa Pirralho¹, Marcelos Lima Peres¹, Demetrio Werner Soares¹, Paula Oliveira Braga¹, Anderson Kenji Okasaki², Celso Israel Fornari², Paulo Henrique Rapp², Eduardo Abramof²; ¹Universidade Federal de Itajubá, ²Instituto Nacional de pesquisas espaciais
- 17:45 Thermoelectric properties of Majorana bound states** **N.P1.13**
Juan Pablo Ramos Andrade^{1,2}, Oscar Ávalos Ovando², Pedro Alejandro Orellana¹, Sergio Eduardo Ulloa²; ¹Universidad Técnica Federico Santa María, ²Ohio University
- 17:45 A theoretical investigation of BiFeO₃ magnetic phase transition under pressure** **N.P1.14**
Luis Henrique da Silveira Lacerda¹, Renan Augusto Pontes Ribeiro¹, Alexandre Camilo Junior¹, Sergio Ricardo de Lazaro¹; ¹Universidade Estadual de Ponta Grossa

- 17:45 Effect of Process Parameters on Luminescent Properties of CaMoO₄ Doped N.P1.15**
Ana Paula de Azevedo Marques¹, Ariane Sandrine Mazzei Charalabopoulos¹,
 Fabio S. Tavares¹, Rosana de Fátima Gonçalves¹, Máximo Siu Li², Elson
 Longo³; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Institute of
 Physics of São Carlos - USP, ³Universidade Federal de São Carlos - Campus:
 São Carlos
- 17:45 Optical and magnetic-optical properties of (311)B GaAsBi/GaAs quantum N.P1.16**
 well
Gabriela Augusta Prando¹, Miguel Angel Gonzalez Balanta², Vanessa Orsi
 Gordo¹, Janne Puustinen³, Helder Galeti¹, Haifaa Alghamdi⁴, Mohamed
 Henini⁴, Mircea Guina³, Yara Galvão Gobato¹; ¹Universidade Federal de São
 Carlos, ²University of Campinas, ³Tampere University of Technology /
 Tampereen teknillinen yliopisto, ⁴University of Nottingham
- 17:45 Investigation of photoconductivity effect in Zn_{1-x}Cd_xO films N.P1.17**
Luis Bolaños Vargas¹, Marcelos Lima Peres¹, Marcio Peron Franco de Godoy²,
 Suelen Castro², Demetrio Werner Soares¹, Marília Páscoa Pirralho¹;
¹Universidade Federal de Itajubá, ²Universidade Federal de São Carlos -
 Campus: São Carlos
- 17:45 On the relationship between deposition power and phase control of cobalt N.P1.18**
 oxide thin films deposited by reactive magnetron sputtering
Nilton Francelosi Azevedo Neto¹, André Luis de Jesus Pereira², João Carlos
 Angélico¹, Kleper de Oliveira Rocha¹, Paulo Noronha Lisboa-Filho¹, José
 Humberto Dias da Silva¹; ¹Faculdade de Ciências/Bauru, ²Fundação
 Universidade Federal da Grande Dourados
- 17:45 Influence of intercalated anions in optical properties of LDH hosts N.P1.19**
Amanda Estela de Lima¹, Méri Domingos Vieira¹, Glaucio Braga Ferreira¹;
¹Universidade Federal Fluminense
- 17:45 Characterization of TiO₂ catalyst synthesized by a sol-gel method modified N.P1.20**
 with glycol
Lidiane Maria dos Santos¹, Maria Rita de Cássia Santos², Antônio Eduardo
 Hora Machado¹; ¹Universidade Federal de Uberlândia, ²Universidade Federal de
 Goiás
- 17:45 Growth evolution of AZO thin films deposited by magnetron sputtering at N.P1.21**
 room temperature
 Michel Chaves¹, Everson Martins¹, Steven Frederick Durrant¹, Elidiane
 Cipriano Rangel¹, Tiago Fiorini da Silva², José Humberto Dias da Silva³, José
R. Ribeiro Bortoleto¹; ¹Universidade Estadual Paulista - Campus Sorocaba,
²Instituto de Física-USP, ³Universidade Estadual Paulista "Júlio de Mesquita
 Filho", Bauru, SP, Brasil
- 17:45 Asymmetrically-shaped Morphologies in Wurtzite GaP Nanowire Growth N.P1.22**
Bruno César da Silva¹, Douglas Soares de Oliveira¹, Fernando Iikawa¹,
 Jefferson Bettini², Mônica Alonso Cotta¹, Luiz Fernando Zagonel¹;
¹Universidade Estadual de Campinas, ²Centro Nacional de Pesquisa em Energia
 e Materiais
- 17:45 Electrical characterization of layer-by-layer films of graphene N.P1.23**
 nanoplatelets
Mawin J. M. Jimenez¹, Rafael Furlan de Oliveira², Tiago Pedroso de Almeida¹,
 Maria Helena Piazzetta³, Varlei Rodrigues¹, Carlos César Bof Bufon³, Angelo
 Luiz Gobbi³, Antonio Riul Jr.¹; ¹Instituto de Física "Gleb Wataghin"-
 UNICAMP, ²Brazilian Center for Research in Energy and Materials, ³Brazilian
 Nanotechnology National Laboratory

- 17:45 Effect of Eu³⁺, Tb³⁺ and Tm³⁺ codoping on the properties of CaMoO₄ thin films** N.P1.24
Ariane Sandrine Mazzei Charalabopoulos¹, Ana Paula de Azevedo Marques¹, Fabio S. Tavares¹, Rosana de Fátima Gonçalves¹, Máximo Siu Li², Elson Longo³; ¹Universidade Federal de São Paulo - Campus de Diadema, ²Institute of Physics of São Carlos - USP, ³Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Synthesis of CdSe Quantum Dot and its Surface functionalization by Ligand Exchange with group Thiol** N.P1.25
Gabriel Dornela Alves da Rocha¹, Sidney Alves Lourenço¹, Marco Aurélio Toledo da Silva¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Towards pure phase of the quaternary metal oxide CuBiW₂O₈** N.P1.26
Leandro Ize Gutierrez¹, Pedro Migowski¹, Adriano F. Feil¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Effect of the chemical substitution on luminescence properties of (Zn_{1-x}Ni_x)WO₄ crystals** N.P1.27
Magda Sousa da Silva Gondim¹, Içamira Costa Nogueira¹, Michelle S. M. Pinheiro de Oliveira¹, Pablo Santana Lemos², Paula Fabiana dos Santos Pereira³, Elson Longo⁴, José Manuel Rivas Mercury¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Universidade Federal de São Carlos, ⁴Instituto de Química de Araraquara/UNESP
- 17:45 Approach on structural and optical properties of system SrTiO₃@ZnS** N.P1.28
Natan Mendes Casero¹, Cristiane Raubach Ratmann¹, Efracio Mamani Flores¹, Pedro L. G. Jardim¹, Sergio da Silva Cava¹, Mário Lúcio Moreira¹; ¹Universidade Federal de Pelotas
- 17:45 Photoconductivity in p-type Pb_{1-x}Eu_xTe films in the metallic and insulator regimes** N.P1.29
Rodolfo Santos Fonseca¹, Marcelos Lima Peres¹, Demetrio Werner Soares¹, Marília Páscoa Pirralho¹, Paulo Henrique Rapp², Eduardo Abramof²; ¹Universidade Federal de Itajubá, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Measurement of substitutional and interstitial Mn concentrations in (In,Mn)As islands grown on GaAs by anomalous x-ray diffraction** N.P1.30
Lucas Atila Bernardes Marçal¹, Letícia Nunes Coelho², Euclides Marega Junior³, Rogerio Magalhaes Paniago¹, Angelo Malachias¹; ¹Universidade Federal de Minas Gerais, ²Universidade de Brasília, ³Instituto de Física de São Carlos - Universidade de São Paulo
- 17:45 Recombination Kinetics of photogenerated electrons in InGaAs/InP quantum wells** N.P1.31
Marco Antonio Tito Patricio¹, Yuri Pussep¹, Alfred Gold², Gilmar Marques³, Marcio Teodoro³, Ray LaPierre⁴; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Université de Toulouse, ³Universidade Federal de São Carlos, ⁴McMaster University
- 17:45 Morphological and textural evaluation on porous and dense SiOC ceramics as alternative materials for electrochemical sensors** N.P1.32
Mariana Felix Iastrenski¹, Mariana Gava Segatelli¹; ¹Universidade Estadual de Londrina
- 17:45 Ilmenite materials for spintronic applications: A DFT study** N.P1.33
Renan Augusto Pontes Ribeiro¹, Sergio Ricardo de Lazaro¹, Luis Henrique da Silveira Lacerda¹, Alexandre Camilo Junior¹; ¹Universidade Estadual de Ponta Grossa

- 17:45 Electronic interface for p-BaTiO₃/n-ZnO heterojunction** **N.P1.34**
Luis Henrique da Silveira Lacerda¹, Renan Augusto Pontes Ribeiro¹, Sergio Ricardo de Lazaro¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Optical and structural properties of ZnO and ZnO:Al Films: Transparent Conducting Oxides and the Burstein Moss Effect** **N.P1.35**
 NEILO M TRINDADE^{1,2}, Naiara Letícia Marana³, Michel Chaves³, Julio Ricardo Sambrano³, Américo Sheitiro Tabata³, José Humberto Dias da Silva³, José R. Ribeiro Bortoleto³; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²Universidade de São Paulo, ³Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Investigation of crystalline structure and of photoluminescence properties of (Ag_{2-2x}Zn_x)WO₄ microcrystal** **N.P1.36**
Paula Fabiana Santos Pereira¹, Içamira Costa Nogueira², Pablo Santana Lemos¹, Clayane Carvalho Dos Santos¹, Ivo Mateus Pinatti¹, Ieda Lúcia Viana Rosa¹, Elson Longo¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal do Maranhão
- 17:45 Synthesis and characterization of calcium copper titanate (CCTO) doped with eletron donor** **N.P1.37**
FERNANDA MAGALHÃES DE OLIVEIRA CAMPOS¹, Francisco Moura Filho¹; ¹Universidade Federal de Itajubá
- 17:45 Optical characterization of the polymer epoxy doped with Bi₂S₃ semiconductor** **N.P1.38**
Victor Ciro Solano Reynoso¹, Raul Fernando Cuevas²; ¹UNESP-Campus de Ilha Solteira, ²Universidade Federal de Uberlândia
- 17:45 Colossal Mass Diffusion Transfer: TiO₂ Microtubes** **N.P1.39**
CYNTHIA MARINA RIVALDO GOMEZ¹, Fabio Furlan Ferreira¹, José Antonio Souza¹; ¹Universidade Federal do ABC
- 17:45 Structure and effects of silver nanoparticles on the surface of α-Ag_{2-x}WO₄.** **N.P1.40**
Felipe Gollino¹, Alberico Borges Ferreira da Silva², Elson Longo³; ¹Instituto de Química de São Carlos - Universidade de São Paulo, ²Instituto de Química de São Carlos, ³Universidade Federal de São Carlos
- 17:45 Synthesis and characterization of periodic mesoporous organosilicas functionalized with 1,4,5,8-naphthalenediimide chromophores** **N.P1.41**
Bruna Castanheira¹, Fabiane de Jesus Trindade², Sergio Brochsztain³, Antonio Carlos Silva Costa Teixeira¹; ¹Escola Politecnica da USP, ²Instituto de Química - USP, ³Fundação Universidade Federal do Abc
- 17:45 Porous silicon monolayer for sensor and photovoltaic applications: Structural and optical characterization** **N.P1.42**
Carlos Eduardo Silveira Dias¹, Rosimara Passos Toledo¹, Danilo Roque Huanca¹, Sávio José Zaccaro¹, Rero Marques Rubinger¹, Walter Jaimes Salcedo²; ¹Universidade Federal de Itajubá, ²Universidade de São Paulo
- 17:45 Experimental investigation of photoconductivity in n-type PbTe quantum wells** **N.P1.43**
Fernando Silva Pena¹, Marília Páscoa Pirralho¹, Marcelos Lima Peres¹, Demetrio Werner Soares¹, Paula Oliveira Braga¹, Anderson Kenji Okasaki², Celso Israel Fornari², Paulo Henrique Rapp², Eduardo Abramof²; ¹Universidade Federal de Itajubá, ²Instituto Nacional de Pesquisas Espaciais

- 17:45 Functionalization and electrical characteristics of a FET biosensor based on InP** **N.P1.44**
Aldeliane Maria da Silva¹, Hélio Obata¹, João Hermes Clerici¹, Antonio Augusto Godoy von Zuben¹, Mônica Alonso Cotta¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP
- 17:45 Effect of Chromium doping on the dielectric and current-voltage characteristics in polycrystalline CaCu₃Ti₄O₁₂** **N.P1.45**
joao frederico haas leandro monteiro¹, André Vitor Chaves de Andrade¹, Eder Carlos Ferreira de Souza¹, Sandra Regina Masetto Antunes¹, Christiane Philippini Ferreira Borges¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Aqueous synthesis of type II colloidal core/shell nanocrystals** **N.P1.46**
Pablo Henrique Meneses¹, Victor Ciro Solano Reynoso², Raul Fernando Cuevas¹; ¹Universidade Federal de Uberlândia, ²Campus de Ilha Solteira
- 17:45 Study of the effects of different transport and block layers on the emission and efficiency of CdSe-ZnS and CdSe QD-OLEDs** **N.P1.47**
Neusmar Junior Artico Cordeiro¹, Wesley Renzi¹, Gabriel Dornela Alves da Rocha², Edson Laureto Laureto¹, Sidney Alves Lourenço², José Leonil Duarte¹; ¹Universidade Estadual de Londrina, ²Universidade Tecnológica Federal do Paraná
- 17:45 SiOC ceramics as potential materials for electrochemical sensors: investigation of crystalline phases** **N.P1.48**
Mariana Felix Iastrenski¹, Mariana Gava Segatelli¹; ¹Universidade Estadual de Londrina
- 17:45 Synthesis and characterization of poly(acrylic acid)-co-ethylene glycol dimethacrylate for amitriptyline adsorption in aqueous medium** **N.P1.49**
Jhessica de Cássia Mendonça¹, Mariana Gava Segatelli¹, Fernanda Midori de Oliveira¹, Marcello Ferreira da Costa¹, César Ricardo Teixeira Tarley^{1,2}; ¹Universidade Estadual de Londrina, ²Instituto Nacional de Ciência e Tecnologia (INCT) de Bioanalítica
- 17:45 Interface effects in c-GaN quantum wells** **N.P1.50**
Leonilson Kiyoshi Sato de Herval¹, Marcio Peron Franco de Godoy¹, Tobias Wecker², Donat Josef As²; ¹Universidade Federal de São Carlos, ²Universität Paderborn
- 17:45 Evaluation of heat treatment time on structural evolution of cyclic silicone networks-derived SiCO ceramics** **N.P1.51**
Thalita Centofanti¹, Mariana Gava Segatelli¹; ¹Universidade Estadual de Londrina
- 17:45 Ultracompact hybrid capacitors for molecular systems characterization** **N.P1.52**
Paula Andreia Petrin^{1,2}, Ricardo Magno Lopes Silva^{3,1}, Rafael Furlan de Oliveira¹, Carlos César Bof Bufon¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Faculdade de Ciências/Bauru, ³Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Self-assembled three-dimensional hierarchical Bi₂WO₆ flower by microwave-assisted route and visible photocatalytic degradation performances** **N.P1.53**
ALICYA SOUZA ABDALA¹, Raissa Mendes Silva¹, Poliana Lima Rocha¹, Diego Augusto Batista Barbosa¹, José Renato de Oliveira Lima¹, Caritas de Jesus Silva Mendonça¹, Gilza Maria Piedade Prazeres¹, Carlos William Araujo Paschoal², Elson Longo³, Adeilton Pereira Maciel¹, Marcio Aurélio Pinheiro Almeida¹; ¹Universidade Federal do Maranhão, ²Universidade Federal do Ceará, ³Instituto de Química de Araraquara/UNESP

- 17:45 Materials design for ferroelectric applications from DFT: A $\text{SnZr}_{0.50}\text{Ti}_{0.50}\text{O}_3$ case study** **N.P1.54**
Sergio Ricardo de Lazaro¹, Renan Augusto Pontes Ribeiro¹, Luis Henrique da Silveira Lacerda¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Real-time study to unravel the formation pathway of CdTe@MPA quantum dots** **N.P1.55**
Fernando Menegatti de Melo¹, Daniel Grassescchi², Henrique Eisi Toma¹;
¹Instituto de Química da Universidade de São Paulo, ²Universidade Presbiteriana Mackenzie
- 17:45 Effects of traps localization by photoluminescence spectroscopy** **N.P1.56**
Yina Julieth Onofre Ramirez¹, Suelen Castro¹, Marcio Peron Franco de Godoy¹;
¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Stability studies of hybrid aluminum oxide/phosphonic acid self-assembled monolayer nanostructure for the development of capacitive sensors** **N.P1.57**
Tatiana Parra Vello^{1,2}, Cátia Crispilho Corrêa², Carlos César Bof Bufon^{1,2};
¹Universidade Estadual de Campinas, ²Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Facile template-amino acid in obtaining bismuth oxybromidenanoartitectures with improvement of the photocatalytic and optics properties** **N.P1.58**
Genesis de Oliveira lima¹, Diego Augusto Batista Barbosa¹, José Renato de Oliveira Lima¹, Caritas de Jesus Silva Mendonça¹, Gilza Maria Piedade Prazeres¹, Carlos William Araujo Paschoal², Máximo Siu Li³, Elson Longo⁴, Adeilton Pereira Maciel¹, Marcio Aurélio Pinheiro Almeida¹; ¹Universidade Federal do Maranhão, ²Universidade Federal do Ceará, ³Universidade de São Paulo, ⁴Instituto de Química de Araraquara/UNESP
- 17:45 Study of pure and Dy³⁺/Tm³⁺-doped strontium molybdates for LED phosphors applications** **N.P1.59**
Renato Mazin Latini¹, Ana Paula de Azevedo Marques¹; ¹Universidade Federal de São Paulo
- 17:45 One-Pot Synthesis of polypyrrole-silver nanocomposites in an ionic liquid : Variation of synthesis parameters** **N.P1.60**
Larissa Verena Figueiredo Oliveira¹, Fernanda Ferraz Camilo¹; ¹Universidade Federal de São Paulo
- 17:45 Study of the structural, morphological and optical properties of $\text{Ag}_2\text{Cr}_x\text{W}_{(1-x)}\text{O}_4$** **N.P1.61**
Gabriela Souza Silva¹, Pablo Santana Lemos¹, Elson Longo^{1,2}; ¹Universidade Federal de São Carlos, ²Instituto de Química de Araraquara/UNESP
- 17:45 Glucose Quantification via FTO biosensor** **N.P1.62**
RAPHAEL APARECIDO SANCHES NASCIMENTO^{1,2}, Marcelo Mulato²;
¹Universidade Federal de Lavras, ²Universidade de São Paulo
- 17:45 Analysis of electric impedance of $\text{V}_2\text{O}_5/\text{POMA}$** **N.P1.63**
Mariana Oliveira Diniz¹, Rodrigo Fernando Bianchi², Elidia Maria Guerra¹;
¹Universidade Federal de São João del-Rei, ²Universidade Federal de Ouro Preto
- 17:45 Tunable properties of Mn_3O_4 hausmannite by Fe²⁺ doping: DFT/B3LYP case study** **N.P1.64**
Renan Augusto Pontes Ribeiro¹, Sergio Ricardo de Lazaro¹, Luis Henrique da Silveira Lacerda¹; ¹Universidade Estadual de Ponta Grossa

- 17:45 Influence of miniband structure on recombination lifetime in GaAs/AlGaAs N.P1.65 multilayers**
Belarmino Gomes Tavares¹; ¹Instituto de Física de São Carlos
- 17:45 Experimental Parameters Research for Oxides of Synthesis by Microwave N.P1.66**
Ezequiel Cafumann Ratmann¹, Mário Lúcio Moreira¹, Cristiane Raubach Ratmann¹, Sergio da Silva Cava¹; ¹Universidade Federal de Pelotas
- 17:45 Zn_{1-x}Cu_xO Thin Films Grown by Spray-Pyrolysis Technique N.P1.67**
Diego Scolfaro¹, Marcio Peron Franco de Godoy¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Influence of the synthesis methods on the structural and optical properties N.P1.68 of BaWO₄ crystals**
Içamira Costa Nogueira¹, Michelle S. M. Pinheiro de Oliveira¹, Magda Sousa da Silva Gondim¹, Pablo Santana Lemos², Elson Longo³, José Manuel Rivas Mercury¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Maranhão, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Instituto de Química de Araraquara/UNESP

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION N.OR4 (09:45 - 10:45) - Room Amoreiras III

- 09:45 Semiconductor Nanomembranes in Optoelectronics and Biology N.OR4.14***
Abhishek Bhat¹; ¹University of Wisconsin-Madison
- 10:15 Synchrotron nano-diffraction evidence of strain transfer of InAs islands on N.OR4.15 compliant Si substrates**
Lucas Atila Bernardes Marçal¹, Marie-Ingrid Richard^{2,3}, Rogério Magalhaes Paniago¹, Francesca Cavallo^{4,5}, Max G. Lagally⁵, Oliver G. Schmidt⁶, Tobias U. Schulli², Christoph Deneke⁷, Angelo Malachias¹; ¹Universidade Federal de Minas Gerais, ²European Synchrotron (ESRF), ³Aix-Marseille University, ⁴Center for High Technology Materials, ⁵University of Wisconsin-Madison, ⁶Institute for Integrative Nanosciences, ⁷Brazilian Nanotechnology National Laboratory
- 10:30 Planar InP nanowires: surface processing and direction control N.OR4.16**
Mariana Nica Zavarize Nica¹, Prasana Sahoo², Douglas Soares de Oliveira², Sidnei Ramis Araujo³, Jefferson Bettini³, Mônica Alonso Cotta¹; ¹Universidade Estadual de Campinas, ²Instituto de Física "Gleb Wataghin" - UNICAMP, ³Brazilian Nanotechnology National Laboratory

SESSION N.OR5 (11:15 - 12:00) - Room Amoreiras III

- 11:15 Hybrid-Density Functional Theory Study of the III-V Semiconductors: Structural, Energetic and Electronic Properties Revised** **N.OR5.17**
Carlos Maciel de Oliveira Bastos¹, Fernando Pereira Sabino¹, Guilherme Matos Sipahi¹, Juarez L. F. Da Silva²; ¹Instituto de Física de São Carlos, ²Instituto de Química de São Carlos
- 11:30 Synthesis of zinc oxide Nanorod films onto silver seed nanoparticles by Electrochemical method for photocatalytic water purification** **N.OR5.18**
Alejandro Junior Aranda Aguirre¹, Hugo Alarcón Caveró¹, Juan Rodríguez Rodríguez¹; ¹Universidad Nacional de Ingeniería
- 11:45 Evidence for Concentration Quenching in Tb Doped Nitrogen Rich a-SiN_x:H Grown by ECR PECVD** **N.OR5.19**
Giacomo B. F. Bosco^{1,2}, Leandro R. Tessler³, Jacek Wojcik¹, Peter Mascher¹; ¹McMaster University, ²Instituto de Física "Gleb Wataghin" - UNICAMP, ³Instituto de Física "Gleb Wataghin"-UNICAMP

SESSION N.OR6 (14:00 - 16:15) - Room Amoreiras III

- 14:00 Tailoring the interaction of light and sound in nanoscale waveguides and cavities** **N.OR6.20***
Gustavo Wiederhecker¹; ¹University of Campinas, SP, Brazil
- 14:30 Kelvin Probe Force Microscopy of Mesoscopic GaAs Structures** **N.OR6.21**
Evandro Martin Lanzoni¹, Saimon Filipe Covre da Silva¹, Ailton Garcia Junior¹, Carlos Alberto Costa¹, Christoph Deneke¹; ¹Brazilian Nanotechnology National Laboratory
- 14:45 Visible emission of rare-earth ions in nanocrystalline thin films of heterojunction GaAs/SnO₂ and photoinduced properties** **N.OR6.22**
Diego Henrique de Oliveira Machado¹, Cristina de Freitas Bueno¹, Luis Vicente de Andrade Scalvi¹; ¹Faculdade de Ciências/Bauru
- 15:00 Reduced Multi-Exciton Interaction in Engineered Core/Shell Nanoparticles: A Pathway Towards Highly Efficient LEDs** **N.OR6.23**
Gabriel Nagamine¹, Byeong Jeong², Doh Lee³, Wan Bae², Lazaro A Padilha¹; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Korea Institute of Science and Technology, ³Korea Advanced Institute of Science & Technology
- 15:15 Distinguishing elastic and plastic relaxations in AlGa_N epitaxial films on patterned GaN (0001) single crystals.** **N.OR6.24**
Sergio Luiz Morelhao¹, Jaroslaw Z. Domagala²; ¹Instituto de Física-USP, ²Institute of Physics, Polish Academy of Sciences
- 15:30 Nanometer-scale monitoring of quantum-confined Stark effect and emission efficiency droop in multiple GaN/AlN quantum disks in nanowires** **N.OR6.25**
Gabriel Ziviani Vitiello¹, Luiz Fernando Zagonel², Mathieu Kociak³, Luiz Galvão Tizei³; ¹Instituto de Física "Gleb Wataghin" - UNICAMP, ²Instituto de Física "Gleb Wataghin"-UNICAMP, ³Université Paris-Sud
- 15:45 Single and Entangled Photons from Semiconductor Piezoelectric Quantum-Dot Devices** **N.OR6.26***
Rinaldo Trotta¹; ¹Institute of Semiconductor and Solid State Physics Johannes Kepler University Linz

SYMPOSIUM 0 - Materials and Devices for Third Generation Solar Cells

Symposium organizers:

Valtencir Zucolotto (*USP*)

Nelson Durán (*Unicamp*)

Wagner José Favaro (*Unicamp*)

Juliana Cancino Bernardi (*USP*)

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION O.OR1 (09:45 - 10:45) - Room Amoreiras I

- 09:45 Energy level alignment at interfaces in organic- and perovskite-based photovoltaic cells** **O.OR1.1***
Norbert Koch^{1,2}; ¹Humboldt-Universität zu Berlin, ²Helmholtz-Zentrum Berlin für Materialien und Energie
- 10:15 Printing electronics for solar energy conversion, storage and applications** **O.OR1.2***
Fengling Zhang¹; ¹Linköping University / Linköpings universitet

SESSION O.OR2 (11:15 - 12:00) - Room Amoreiras I

- 11:15 Probing the transient behavior of perovskite solar cells at the nanoscale** **O.OR2.3***
Joseph Garrett¹, Elizabeth Tennyson¹, Jeremy N Munday¹, Marina S Leite¹;
¹University of Maryland
- 11:45 Charge photogeneration and recombination dynamics in a new solar cell architecture: the light harvesting capacitor** **O.OR2.4**
JOAQUIM BRASIL FILHO¹, Paulo Barbeitas Miranda¹; ¹Instituto de Física de São Carlos

SESSION O.OR3 (14:00 - 16:15) - Room Amoreiras I

- 14:00 Comparative study on different electron transport materials for P3HT-based organic solar cells** **O.OR3.5**
Luiza de Queiroz Corrêa¹, Francisco Anderson de Sousa Lima¹, Juliana Luiza de S. Martins¹, Diego Bagnis¹; ¹CSEM Brasil
- 14:15 DC-sputtered MoOx thin-films as hole transport layer in organic photovoltaics** **O.OR3.6***
André L.F. Cauduro¹, Mehrad Ahmadpour¹, Roberto Dos Reis², Gong Chen², Andreas Schmid², Christophe Méthivier³, Nadine Witkowski⁴, Paulo F. P. Fichtner^{5,6}, Horst-Günter Rubahn¹, Morten Madsen¹; ¹NanoSYD, University of Southern Denmark, Denmark, ²National Center for Electron Microscopy, The Molecular Foundry, LBNL, Berkeley, CA, US, ³Sorbonne Universités, UPMC Univ Paris 06, CNRS UMR 7197, Laboratoire de Réactivité de Surface (LRS), France, ⁴Sorbonne Universités, UPMC Univ Paris 06, UMR CNRS 7588, Institut des Nanosciences de Paris (INSP), France, ⁵PPGMicro- Graduate Program on Microelectronics, Universidade Federal do Rio Grande do Sul, Brazil, ⁶Engineering School, Universidade Federal do Rio Grande do Sul, , Brazil
- 14:45 Inverted organic solar cells using nanocellulose as substrate** **O.OR3.7**
Saionara Vilhegas Costa¹, Silvia Janietz², Ana Flávia Nogueira¹; ¹University of Campinas, SP, Brazil, ²Fraunhofer IAP, Potsdam-Golm, Germany

- 15:00 Reveling effusion mechanisms in thermal reduction of graphene oxide thin films by thermo desorption spectroscopy** O.OR3.8
Douglas Soares da Silva¹, Gustavo Alexandre Viana¹, Rafael Borges Merlo¹, Francisco das Chagas Marques¹; ¹Universidade Estadual de Campinas
- 15:15 Stabilization of organic solar cells using antioxidants** O.OR3.9
Vida Engmann¹, Sebastian Engmann², Nikos Tzierkezos³, Harald Hoppe⁴, Morten Madsen¹, Horst-Günter Rubahn¹, Uwe Ritter³, Gerhard Gobsch³; ¹University of Southern Denmark / Syddansk Universitet, ²National Institute of Standards and Technology, ³Ilmenau University of Technology, ⁴Friedrich-Schiller-University Jena
- 15:30 Copper antimony sulfide nanoparticles: a study on growth dynamics during synthesis by hot injection** O.OR3.10
Fábio Baum¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul
- 15:45 Ionic Diode Materials in Energy Conversion Electrochemistry** O.OR3.11*
Frank Marken¹, Elena Madrid Madrid¹, Neil McKeown²; ¹Department of Chemistry, University of Bath, UK, ²School of Chemistry, University of Edinburgh, Scotland, UK

Poster presentations

SESSION O.P1 (17:45 - 19:30)

- 17:45 Dependence of Synergistic Effect on the Homogeneity Degree of Rutile and Anatase** O.P1.1
Robson Raphael Guimarães¹, André Araujo Parussulo¹, Henrique Eisi Toma¹, Koiti Araki¹; ¹Universidade de São Paulo
- 17:45 Density functional theory study of the anchoring fullerenes to the Si-bridging atoms of a copolymer** O.P1.2
Jessica Santos Rego, Marlus Koehler¹; ¹Universidade Federal do Paraná
- 17:45 Kinetics and Photoelectrochemical Cell Performance of a Series of Ru-phenanthroline based Dye-Sensitized Solar Cells** O.P1.3
Andressa V. Müller¹, Renato N. Sampaio², Gerald J. Meyer², André S. Polo¹; ¹Universidade Federal do ABC, ²University of North Carolina at Chapel Hill
- 17:45 Synthesis and characterization of thin polypyrrole films for dye-sensitized solar cells (DSC)** O.P1.4
Vivian Faria Machuca¹, Gislene Valdete Martins², F. H. Cristovan¹, Marcos Massi^{2,1}; ¹Universidade Federal de São Paulo, ²Instituto Tecnológico de Aeronáutica
- 17:45 Obtaining barium titanate electrode for dye-sensitized solar cells** O.P1.5
Tatiane Strelow Lilge¹, Cristiane Raubach Ratmann¹, Pedro L. G. Jardim¹, Sergio da Silva Cava¹, Mário Lúcio Moreira¹; ¹Universidade Federal de Pelotas
- 17:45 Enhanced photovoltaic performance of inverted bulk-heterojunction solar cells using TiO₂/reduced graphene oxide films as electron transport layers** O.P1.6
Andreia de Moraes¹, João Paulo Carvalho Alves¹, Francisco Anderson de Sousa Lima², Monica Lira-Cantu², Ana Flávia Nogueira¹; ¹Universidade Estadual de Campinas, ²Universitat Autònoma de Barcelona

- 17:45 Dendron-modified organotalc to gel electrolytes for application in dye-sensitized solar cells** **O.P1.7**
Marcos Antonio Santana Andrade Junior¹, Armi Tiihonen², Kati Miettunen², Peter Lund², Ana Flávia Nogueira¹, Heloise de Oliveira Pastore¹; ¹Universidade Estadual de Campinas, ²Aalto University / Aalto-yliopisto
- 17:45 Energy gap reduction of TiO₂ by palladium doping** **O.P1.8**
Rero Marques Rubinger¹; ¹Universidade Federal de Itajubá
- 17:45 Application of Fe-doped SnO₂ nanoparticles in organic solar cells with enhanced stability** **O.P1.9**
Maurício Sousa Pereira¹, Francisco Anderson de Sousa Lima², Thiago Soares Ribeiro¹, Rodrigo Queiros Almeida¹, Eduardo Bedê Barros¹, Igor Frota de Vasconcelos¹; ¹Universidade Federal do Ceará, ²CSEM Brasil
- 17:45 Perovskite solar cells with a niobium pentoxide compact layer: A study by Impedance Spectroscopy** **O.P1.10**
Jhon Alexander Peñafiel¹, Rodrigo Szostak², Luis Frederico P. Dick¹, Antonio Marcos Helgueira de Andrade¹, Ana Flávia Nogueira²; ¹Universidade Federal do Rio Grande do Sul, ²Universidade Estadual de Campinas
- 17:45 Application of WO₃, TiO₂ and Al for use in solar cells** **O.P1.11**
Guilherme Elias Silva¹, Rodrigo Fernando Bianchi², Dane Tadeu Cestarolli¹, Elidia Maria Guerra¹; ¹Universidade Federal de São João del-Rei, ²Universidade Federal de Ouro Preto
- 17:45 Systematic study on solid-solid phase transition in SiO₂/TiO₂ and TiO₂/SiO₂ nanoparticles.** **O.P1.12**
Rafael da Costa Brito¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Synthesis and characterization of dipyrrolo[2,3-b:2',3'-e]pyrazine-2,6(1H,5H)-dione based small molecules as promising non-fullerene acceptors for small molecule bulk heterojunction solar cell** **O.P1.13**
sivakumar gangala¹, Ana Flávia Nogueira¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Synthesis and Characterization of TiO₂ nanoparticles doped with Pd prepared by sol-gel reversed micelles** **O.P1.14**
Sandra Aparecida Martins Silva¹, Adhimar Flávio Oliveira¹, Rero Marques Rubinger¹, Hugo Bonette de Carvalho², Edson da Costa Bortoni¹; ¹Universidade Federal de Itajubá, ²Universidade Federal de Alfenas
- 17:45 Luminescent properties of N-vinylcarbazole and derivatives for photovoltaic device** **O.P1.15**
Diérickson Sousa Cordeiro¹, Tatiana Duque Martins¹; ¹Universidade Federal de Goiás
- 17:45 Solar cells based on CdS sensitized ZnO nanowires** **O.P1.16**
Isabela Corteletti Rocha¹, Ellen Raphael¹, Renato Luiz Siqueira², Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei, ²Universidade Federal de São Carlos
- 17:45 Characterization of ITON thin film grown by evaporation** **O.P1.17**
Victor Pederzini¹, Marina Sparvoli¹, Igor Yamamoto Abe², Alexandre Lopes²; ¹Universidade Federal do ABC, ²Escola Politécnica de Universidade de São Paulo
- 17:45 Preparation of a low cost PANI/Cu_xS based counter electrode for application in CdS/ZnS quantum dots solar cells** **O.P1.18**
Letícia Gazola Tartuci¹, Ellen Raphael¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei

- 17:45 SILAR/CDB used to grow ZnO nanostructured film for dye-sensitized solar cells** **O.P1.19**
Eguiberto Galego¹, Marilene Morelli Serna¹, Lalgudi Venkataraman Ramanathan¹, Rubens Nunes Faria¹; ¹Comissão Nacional de Energia Nuclear
- 17:45 Optical and photovoltaic properties of oxide-based perovskite ceramics** **O.P1.20**
Ronaldo Crosio Gennari¹, José Antônio Eiras², Rossano Lang Carvalho¹, Manuel Henrique Lente¹; ¹Universidade Federal de São Paulo, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Synthesis and characterization of ternary CuFeS₂ environmentally friendly quantum dots** **O.P1.21**
Leiriana Aparecida Pinto Gontijo¹, Calink Indiara do Livramento dos Santos¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Performance evaluation of CdS quantum dot-sensitized solar cells at different configurations** **O.P1.22**
Ellen Raphael¹, Paulo Henrique Pereira¹, Isabela Corteletti Rocha¹, Ana Beatriz Ferreira Vitoreti¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Optical and magneto-optical properties of GaAsPN/GaPN quantum wells** **O.P1.23**
Felipe Soares Covre¹, Miguel Angel Gonzalez Balanta², Polyanna Bruna Alves Oliveira¹, Fernando Iikawa², Mohamed Henini³, Charles Cornet⁴, Yoan Léger⁴, Samy Almosni⁴, Helder Galeti¹, Yara Galvão Gobato¹, Hind Albalawi³; ¹Universidade Federal de São Carlos, ²Universidade Estadual de Campinas, ³University of Nottingham, ⁴Institut National des Sciences Appliquées de Rennes
- 17:45 ZnO nanowires containing Eu³⁺ ions for solar cells applications** **O.P1.24**
André Felipe Vale da Fonseca¹, Caroline de Mayrinck¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Synthesis and characterization of hybrid carbon nanotube/polymer for use in the active layer of organic solar cells** **O.P1.25**
Luiza De Lazari Ferreira¹, Hállen Daniel Rezende Calado¹; ¹Universidade Federal de Minas Gerais
- 17:45 Diffraction and swelling test of chitosan/gelatin membrane with silver nanoparticles** **O.P1.26**
Lorena Oliveira de Sousa¹, Osvaldo Novais Oliveira Jr²; ¹Escola de Engenharia de São Carlos- Universidade de São Paulo, ²Instituto de Física de São Carlos
- 17:45 Plasma texturing of carbon counter electrodes for dye-sensitized solar cells** **O.P1.27**
Armstrong Godoy Junior¹, Felipe Gondim Carlucci¹, André Luis de Jesus Pereira², Douglas Marcel Gonçalves Leite¹, Marcos Massi^{1,3}, Walter Miyakawa¹, Argemiro Sousa da Silva Sobrinho¹; ¹Instituto Tecnológico de Aeronáutica, ²Fundação Universidade Federal da Grande Dourados, ³Universidade Federal de São Paulo
- 17:45 Structural and optical properties of NiTiO₃ perovskite for solar cell applications** **O.P1.28**
Elisban Juani Sacari Sacari¹, Saravanan Rajendran², Francisco Gracia Garoca², Edgar Mosquera², N. Pugazhenthiran¹, Ramalinga Viswanathan Mangalaraja¹; ¹University of Concepción, ²University of Chile

- 17:45 Fabrication of PbS quantum dots by laser ablation/irradiation routine in ethanol.** O.P1.29
Nelson Fabian Villegas Borrero^{1,2}, Victor Ermakov^{1,2}, José Maria Clemente da Silva Filho^{1,2}, Francisco das Chagas Marques^{1,2}; ¹Universidade Estadual de Campinas, ²Instituto de Física "Gleb Wataghin" - UNICAMP
- 17:45 Titanium dioxide sensitization with different porphyrins** O.P1.30
Luiz Fernando de Sousa Lima¹, Dayse Carvalho da Silva Martins¹, Ana Luísa Lage¹, Nelcy D. S. Mohallem¹; ¹Universidade Federal de Minas Gerais
- 17:45 PLED and PSC based in poly[9,9-dioctylfluorene- alt-bis-thienylene(benzothiadiazole)]** O.P1.31
Eric Tsuneki Yoshiura Ono¹, Herick Garcia Takimoto¹, Emerson Roberto Santos¹, Satoru Yoshida¹, Roberto Koji Onmori¹, Fernando J. Fonseca¹, Shu Hui Wang¹; ¹Escola Politécnica de Universidade de São Paulo
- 17:45 Graphene nanoribbons as counter electrodes for dye sensitized solar cells with cobalt gel polymer electrolytes** O.P1.32
Stephanie Goulart Dáquina¹, Paulo Ernesto Marchezi¹, gabriela sonai sonai¹, Ana Flávia Nogueira¹; ¹Instituto de Química - UNICAMP
- 17:45 Water based, solution-processable, transparent and flexible graphene oxide composite as electrodes in organic solar cell application** O.P1.33
Lucas Ferreira Lima¹, Bruno Gabriel Alves Leite Borges², Liliane Cristina Gonçalves¹, Rodrigo Villegas Salvatierra¹, Carlos Eduardo Cava¹, Aldo J.G. Zarbin¹, Maria Luiza Miranda Rocco², Carolina Ferreira de Matos¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná, ²Universidade Federal do Rio de Janeiro
- 17:45 Perovskite films made by evaporation of PbI₂ and CH₃NH₃I** O.P1.34
Natália de Faria Coutinho¹, José Maria Clemente da Silva Filho¹, Rafael Borges Merlo¹, Ana Flávia Nogueira², Francisco das Chagas Marques¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Instituto de Química - UNICAMP
- 17:45 P3HT:PCBM solar cells prepared from an non-halogenated solvent and environmentally friendly** O.P1.35
Lívia Maria de Castro Sousa¹, Debora Terezia Balogh¹, Roberto Mendonça Faria¹; ¹Instituto de Física de São Carlos - Universidade de São Paulo
- 17:45 Study of the Effect of Ligand Exchange on CdSe Quantum Dots** O.P1.36
Agatha Matsumoto¹, Michele Odnicki da Silva¹, Rubens Maciel Filho², Fernando Ely¹; ¹Centro de Tecnologia da Informação Renato Archer, ²Universidade Estadual de Campinas
- 17:45 Effect of Stearic acid on CdSe and CdTe Quantum Dots Colloidal Synthesis** O.P1.37
Agatha Matsumoto¹, Michele Odnicki da Silva¹, Rubens Maciel Filho², Fernando Ely¹; ¹Centro de Tecnologia da Informação Renato Archer, ²Universidade Estadual de Campinas
- 17:45 Copper indium sulfide sensitized solar cells** O.P1.38
Calink Indiara do Livramento dos Santos¹, Jefferson Luis Ferrari¹, Marco Antonio Schiavon¹; ¹Universidade Federal de São João del-Rei
- 17:45 Studying the antenna effect among donor materials in photovoltaic devices.** O.P1.39
Luana Cristina Wouk de Menezes¹, Cleber Marchiori¹, Fredrik Von Kieseritzky², Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná, ²Royal Institute of Technology / Kungliga Tekniska Högskolan
- 17:45 Understanding the effect of solvent additive in polymeric thin films: turning a bilayer into a bulk heterojunction photovoltaic device** O.P1.40
Cleber Fabiano Marchiori¹, Camilla K.B.Q.M Oliveira¹, Marlus Koehler¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná

- 17:45 Investigation of PbS nanoparticles passivated with different thiolate ligands and their effects on the heterojunction solar cells. O.P1.41**
Luiz Gustavo Bonato¹, Emre Yassitepe¹, Ana Flávia Nogueira¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Study of optical performance of commercial up converters and quantum dots for application in bifacial solar cell O.P1.42**
Aline Cristiane Pan¹, Leandro Santos Grassi Cardoso¹, Guilherme Torres Marques Vidal¹, Jennifer Cláudia Passos Teixeira², Joaquim F. M. C. Pratas Leitão²; ¹Pontifícia Universidade Católica do Rio Grande do Sul, ²Universidade de Aveiro
- 17:45 Modeling Mathematical of the Behavior of Up Converter when Implemented in Bifacial Silicon Solar Cells O.P1.43**
Aline Cristiane Pan¹, Leandro Santos Grassi Cardoso¹, Fernando Soares dos Reis¹; ¹Pontifícia Universidade Católica do Rio Grande do Sul
- 17:45 Studies on the influence of post annealing treatment and additives on bulk heterojunction OPVs O.P1.44**
Maiara de Jesus Bassi¹, Luana Cristina Wouk de Menezes¹, Camilla K.B.Q.M Oliveira¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná
- 17:45 Temperature-dependent structural and optical properties of Lead(II) Sulfide quantum dots superlattice O.P1.45**
José Maria Clemente da Silva Filho¹, Victor Ermakov¹, Luiz Gustavo Bonato², Ana Flávia Nogueira², Francisco das Chagas Marques¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Instituto de Química - UNICAMP
- 17:45 All-inorganic cesium lead-halide perovskite quantum-dots for 3rd generation solar cells O.P1.46**
Raphael Moral Moral¹, Emre Yassitepe¹, Ana Flávia Nogueira¹; ¹Universidade Estadual de Campinas
- 17:45 Perovskite solar cells based on polyaniline derivatives as hole transporter material. O.P1.47**
Adriano dos Santos Marques¹, Ana Flávia Nogueira¹; ¹Instituto de Química - UNICAMP
- 17:45 MoS₂ nanostructures through hydrothermal route: effect of Sulfur precursors on growth and shape O.P1.48**
André Luis Silveira Fraga¹, Fábio Baum¹, Marcos Jose Leite Santos¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Influence of the molecular weight of poly(vinylpyrrolidone) in the production of silver nanowires by the polyol method. O.P1.49**
Julia Lopes da Silva Gascho¹, Patrícia Salvador Tessaro¹, Sérgio Henrique Pezzin¹; ¹Fundação Universidade do Estado de Santa Catarina
- 17:45 TiO₂/SiO₂ and SiO₂/TiO₂ core/shell nanoparticles: passivation of trapping states to improve photoelectrochemical performance of Dye Sensitized Solar Cells O.P1.50**
Rafael da Costa Brito¹, Marcos Jose Leite Santos¹, Jacqueline Ferreira¹, Sherdil Khan¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Graphene oxide coated PSiF-DBT nanoparticles by Pickering emulsion as simple and efficient alternative in organic photovoltaic devices nanostructuring O.P1.51**
Carolina Ferreira de Matos¹, Natasha D.A. Yamamoto¹, Aldo J.G. Zarbin¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná

- 17:45 Impedance characterization of TiO₂ Pd doped samples** **O.P1.52**
Mariana Charleaux Tabchoury¹, Rero Marques Rubinger¹, Adhimar Flávio Oliveira¹, Sandra Aparecida Silva¹; ¹Universidade Federal de Itajubá
- 17:45 Structural Characterization by Diffraction of X-Ray of SnO₂ F (FTO) Thin Films: Deposited by "Spray Pyrolysis" and FTO Commercial with Potential use in Solar Cells.** **O.P1.53**
ANTONIO PAULO SANTOS SOUZA¹, Ana Fabíola Leite Almeida¹, Pierre Basílio Almeida Fechine¹, Francisco Nivaldo Aguiar Freire¹; ¹Universidade Federal do Ceará
- 17:45 Photocatalytic degradation of methylene blue under UV irradiation by ZnO nanoparticles prepared by Pechini method** **O.P1.54**
jessica cristina da silva gualberto¹, Vera Katic², Juliano Alves Bonacin², Raimundo Ribeiro Passos¹, Leandro Aparecido Pocrifka¹; ¹Universidade Federal do Amazonas, ²Institute of Chemistry-UNICAMP
- 17:45 Ultrafast Spectroscopy of Organometallic-Halide Perovskites and Their Byproducts** **O.P1.55**
Henrique Brolezi Nunciaroni¹, Julio Alberto Peres Ferencz Jr.², Lazaro A Padilha¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Universidade Federal de Mato Grosso do Sul
- 17:45 RF Power and Temperature Influence on the Crystallinity of RF Sputtering Zinc Oxide Thin Films** **O.P1.56**
Alex Vinicius Souza Araújo¹, Jose Uliian Cardoso Almeida¹, Marcelo Bento Pisani¹; ¹Universidade Estadual de Santa Cruz
- 17:45 Thermo-mechanical properties of lead iodide thin films** **O.P1.57**
Rafael Borges Merlo¹, José Maria Clemente da Silva Filho¹, Francisco das Chagas Marques¹; ¹Universidade Estadual de Campinas
- 17:45 Understanding the formation of the perovskite films through intramolecular exchange method at ambient conditions** **O.P1.58**
Rodrigo Szostak¹, Jhon Alexander Peñafiel², Luis Frederico P. Dick², Ana Flávia Nogueira¹; ¹Institute of Chemistry-UNICAMP, ²Universidade Federal do Rio Grande do Sul
- 17:45 The additive effect on block copolymer conformation: a theoretical study** **O.P1.59**
Marlus Koehler¹, Leandro Benatto¹, Cleber Fabiano Marchiori¹, Natasha A. D. Yamamoto¹, Marcos Gomes Eleutério da Luz¹, Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná
- 17:45 Synthesis and characterization of new dyes for high performance solar cells.** **O.P1.60**
Maria Rosana E. Silva¹, Henrique Eisi Toma¹; ¹Instituto de Química - USP
- 17:45 Synthesis of BaTiO₃ and SrTiO₃ by Microwave Assisted Hidrotermal Method (MAH) using Anatase as Titanium Precursor** **O.P1.61**
Renata da Silva Magalhães¹, Wagner Dias Macedo Junior¹, Agda Eunice de Souza¹, Maximo Siu Li², Silvio Rainho Teixeira¹, Elson Longo³; ¹FCT-UNESP Campus de Presidente Prudente, ²Instituto de Física de São Carlos, ³Instituto de Química de Araraquara/UNESP
- 17:45 Efficiency Optimization of Photovoltaic Solar Cells using Nanoparticles of ZnO and Carbon Nanotubes** **O.P1.62**
Icoana Lais Leitão Mascarenhas Martins, Renata Cardoso Roncoleta¹, Pedro Henrique de Oliveira Nogueira¹, Glécia Virgolino da Silva Luz^{1,2}, Pilar Hidalgo Falla¹, Thiago Ferreira Gomes¹; ¹Universidade de Brasília, ²Escola Politécnica de Universidade de São Paulo

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION O.OR4 (08:30 - 10:15) - Room Amoreiras I

- 08:30 Stable perovskite solar cells by surface modification with surfactant molecules** **O.OR4.12**
Matheus Serra de Holanda¹, Ana Flávia Nogueira¹; ¹Instituto de Química - UNICAMP
- 08:45 Characterization of CdTe thin films grown on polyimide substrate by hot wall epitaxy** **O.OR4.13**
Sukarno Olavo Ferreira¹, Isnard Domingos Ferraz¹, Renan Augusto Lisboa Almeida¹, Tiago José Oliveira¹; ¹Fundação Universidade Federal de Viçosa
- 09:00 Roll-to-Roll fabrication of polymer solar cells based on P3HT: PCBM - top electrode investigation and performance comparison before and after encapsulation** **O.OR4.14**
Bárbara Hellen de Souza Miranda¹, Grzegorz A Potoczny¹, Jair Francisco Rodrigues¹, Diego Bagnis¹; ¹CSEM Brasil
- 09:15 Simulation of the structure and dynamics of conjugated polymers** **O.OR4.15***
Jenny Nelson¹, Anne Guilbert²; ¹Centre for Plastic Electronics and Department of Physics, Imperial College London, Prince Consort Road, London, ²Imperial College London
- 09:45 Studying stability of quasi-solid dye-sensitized solar cells by colorimetric analysis of the electrolyte** **O.OR4.16**
Marcos Antonio Santana Andrade Junior¹, Kati Miettunen², Armi Tiihonen², Peter Lund², Ana Flávia Nogueira¹, Heloise de Oliveira Pastore¹; ¹Universidade Estadual de Campinas, ²Aalto University / Aalto-yliopisto
- 10:00 Hysteresis dependence on CH₃NH₃PbI₃ deposition method in perovskite solar cells** **O.OR4.17**
Sílvia Leticia Fernandes¹, Bruna Andressa Bregadiolli², Carlos Frederico de Oliveira Graeff², Maria Ap. Zaghete³; ¹Instituto de Química de Araraquara/UNESP, ²Faculdade de Ciências/Bauru, ³Instituto de Química - IQ - Unesp - Araraquara

SYMPOSIUM P - Materials for energy conversion and storage

Symposium organizers:

Sydney Ferreira Santos (*UFABC*)

Carlos Moyses Araujo (*Uppsala University*)

Adam Duong (*Université du Québec à Trois-Rivières*)

Fabio Henrique de Barros Lima (*USP*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION P.OR1 (09:45 - 10:45) - Room Amoreiras I

- 09:45 Pathways to Utilize IR Photons for Photocatalytic Water Splitting P.OR1.1***
Tomas Edvinsson¹; ¹Uppsala University / Uppsala Universitet
- 10:15 Enhancement of the poly(o-methoxyaniline)-poly(3-thiophene acetic acid) self-assembled electrochemical capacitor stability P.OR1.2**
Ernesto Chaves Pereira de Souza¹, Wania Aparecida Christinelli¹, Roger Gonçalves¹; ¹Universidade Federal de São Carlos
- 10:30 Effects of thermal annealing and Sn-doping on the microstructure, optical properties and photoelectrochemical performance of hematite thin films P.OR1.3**
Lígia Parreira Souza¹, Rodrigo O. G. Chaves¹, Andre S Ferlauto¹; ¹Universidade Federal de Minas Gerais

SESSION P.OR2 (11:15 - 12:00) - Room Amoreiras I

- 11:15 Computational Nanoscience applied to energy storage and conversion. P.OR2.4***
Caetano Rodrigues Miranda¹; ¹Instituto de Física-USP
- 11:45 Neutralization Pseudocapacitors: an Acid-Base Machine P.OR2.5**
William Gomes de Moraes¹, Wellington José Alves Santos Gomes¹, Fritz Huguenin¹; ¹Universidade de São Paulo

SESSION P.OR3 (14:00 - 16:15) - Room Amoreiras I

- 14:00 Electronic and Optical Properties of Doped Oxides for Energy Conversion P.OR3.6***
Antonio Ferreira da Silva¹; ¹Universidade Federal da Bahia
- 14:30 Solar energy conversion: photocatalysts for water treatment and solar fuels production P.OR3.7***
Claudia Longo¹, Natália Sabes Sabatini¹, Eveline Ramos¹, Gabriella Rodrigues Daniel¹, Douglas Del Duque¹, Giovanni Mutton¹, Miguel Tayar Galante¹; ¹Institute of Chemistry-UNICAMP
- 15:00 IONIC TO ELECTRONIC CONDUCTIVITY IN 0.50[xAg₂O(1-x)V₂O₅]0.50P₂O₅ GLASSES P.OR3.8**
Juan Jairo Diaz Marin¹, Ana Candida Martins Rodrigues¹; ¹Universidade Federal de São Carlos
- 15:15 Supramolecular Approach for Production of Nanoparticles and Nanocomposites Materials P.OR3.9***
Koiti Araki¹, Sergio Hiroshi Toma¹, Josué Martins Gonçalves¹, Tiago Araujo Matias¹, Robson Raphael Guimarães¹; ¹Instituto de Química da Universidade de São Paulo

15:45 Graphene on-chip for electrochemical energy conversion P.OR3.10*
Frank Nelson Crespilho¹; ¹Instituto de Química de São Carlos - Universidade de São Paulo

Poster presentations

SESSION P.P1 (17:45 - 19:30)

- 17:45 Magnetic and Magnetocaloric properties of Dy₂CuSi₃ spin-glass compound P.P1.1**
Mayanny Gomes da Silva¹, Vinícius Gomes de Paula², Adenilson Oliveira dos Santos¹, Adelino de Aguiar Coelho², Lisandro Cardoso², Luzeli Moreira da Silva²; ¹Universidade Federal do Maranhão, ²Instituto de Física Gleb Wataghin - UNICAMP
- 17:45 Comparing microwave and conventional sintering methods on the magnetic properties of cobalt ferrites particulate P.P1.2**
Korllvary Rhanddy Parra Jimenez¹, Claudia Patricia Fernandez¹, Ruth H. G. A. Kiminami¹, Ducinei Garcia¹, Alexandre José Gualdi¹, Paulo César de Camargo¹, Adilson J A de Oliveira¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Cristallite size tuning on magnetocaloric effect of ball milled HoAl₂ P.P1.3**
Vinícius Gomes de Paula¹, Delcicleide Costa dos Reis², Luzeli Moreira da Silva², Adenilson Oliveira dos Santos², Rossano Lang Carvalho³, Larissa Otubo⁴, Adelino de Aguiar Coelho¹, Lisandro Cardoso¹; ¹Instituto de Física Gleb Wataghin - UNICAMP, ²Universidade Federal do Maranhão, ³Universidade Federal de São Paulo - Campus São José dos Campos, ⁴Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Intermediary Stage Activated Sintering method for ceramic/cermet consolidation at low temperature P.P1.4**
Thomaz Augusto Guisard Restivo¹, Ana Cugler Moreira¹, Sergio Graciano¹; ¹Universidade de Sorocaba
- 17:45 Spark plasma sintering of niobium carbide P.P1.5**
Luana Elisa Cardoso de Siqueira^{1,2}, Marcio Gustavo Di Vernieri Cuppari¹, Izabel Fernanda Machado³, Sydney Ferreira Santos^{1,2}; ¹Fundação Universidade Federal do Abc, ²Universidade Federal do ABC, ³Escola Politecnica da USP
- 17:45 Effect of cold rolling on the hydrogen desorption behavior of MgH₂, TiH₂, and ZrH₂ under microwave irradiation P.P1.6**
Sydney Ferreira Santos¹, Ivaldete da Silva Dupim¹, Jacques Huot²; ¹Universidade Federal do ABC, ²Université du Quebec Trois-Rivieres
- 17:45 Stainless steel microsphere sol-gel synthesis and their use in obtaining the cermet UO₂-stainless steel P.P1.7**
Luciana Sampaio Ribeiro¹, Camila Alves Escanio¹, Edilaine Ferreira da Silva¹, Felipe Wallysson Ferreira de Oliveira¹, Yara Sena Pereira¹, Lucas Gabriel Faria Inácio¹, Alisson Frank Canuto Brandão¹, Fernando Soares Lameiras¹, Ana Maria Matildes dos Santos¹, Sergio Carneiro dos Reis¹, Fábio Abud Mansur¹, Armindo Santos¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear

- 17:45 Hydrogen sorption properties of Mg-Fe-CNT powder mixture processed by ECAP** **P.P1.8**
Gisele Ferreira de Lima¹, Katia Regina Cardoso¹, Dilermando Nagle Travessa¹, Tomaz Toshimi Ishikawa², Claudio S. Kiminami², Walter José Botta², Alberto Moreira Jorge Junior²; ¹Universidade Federal de São Paulo, ²Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Hydrogen storage properties and in-situ XRD characterization of a nanocrystalline Mg–Ni processed by cold rolling** **P.P1.9**
Santiago J. A. Figueroa¹, Ricardo Floriano², Rodrigo José Contieri², Alessandra Cremasco², Daniel Rodrigo Leiva³, Walter José Botta³; ¹Brazilian Center for Research in Energy and Materials, ²School of Technology, UNICAMP, Limeira-SP, Brazil, ³Universidade Federal de São Carlos
- 17:45 Recycling the cathode of spent Ni-MH batteries: Application as electrochemical capacitors.** **P.P1.10**
Pedro Vitor Dixini¹, Carlos Eduardo Tartaglia Bruzeguini¹, Beatriz Belotti Carvalho¹, Andressa Meireles David¹, Vinicius Guilherme Celante¹, Vitor Cezar Broetto Pegoretti², Marcos Benedito Jose de Freitas²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Universidade Federal do Espírito Santo
- 17:45 Co, Cu and Mn recycling from spent batteries and their application as electrochemical capacitors** **P.P1.11**
Eduardo dos Santos Loureiro¹, Luiza Botan Favalessa¹, Livia Serra Selvatici¹, Marcos Benedito Jose de Freitas², Pedro Vitor Morbach Dixini¹, Vinicius Guilherme Celante¹, Gisele Xavier Celante¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Universidade Federal do Espírito Santo
- 17:45 Highly efficient nanostructured electrode material for Ni-MH batteries** **P.P1.12**
Josué Martins Gonçalves¹, Robson Raphael Guimarães¹, Cícero Venâncio Nunes Jr.², Alfredo Duarte¹, Henrique Eisi Toma¹, Koiti Araki¹; ¹Instituto de Química - USP, ²Universidade Estadual do Centro Oeste
- 17:45 Stabilization of α -Ni(OH)₂ in graphene oxide nanocomposites** **P.P1.13**
Josué Martins Gonçalves¹, Robson Raphael Guimarães¹, Cícero Venâncio Nunes Jr.², Alfredo Duarte¹, Henrique Eisi Toma¹, Koiti Araki¹; ¹Instituto de Química - USP, ²Universidade Estadual do Centro Oeste
- 17:45 Theoretical Study of Lithium Graphite Intercalation Compounds** **P.P1.14**
JANUÁRIO KORDIAK¹, Renan Augusto Pontes Ribeiro¹, Thiago Castro Rozada¹, Sergio Ricardo de Lazaro¹, Alexandre Camilo Junior¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Re-synthesis of LiCoO₂ from spent lithium-ion batteries by lixiviation and chemical precipitation methods** **P.P1.15**
Caroline Santana dos Santos¹, Jair Scarminio¹, João Carlos Alves¹, Paulo Rogério Catarini da Silva¹, Stephany Pires da Silva¹, Lucas Evangelista Sita¹; ¹Universidade Estadual de Londrina
- 17:45 Unveiling the migration mechanism of Lithium Graphite Intercalation Compounds in silico** **P.P1.16**
JANUÁRIO KORDIAK¹, Renan Augusto Pontes Ribeiro¹, Thiago Castro Rozada¹, Sergio Ricardo de Lazaro¹, Alexandre Camilo Junior¹; ¹Universidade Estadual de Ponta Grossa

- 17:45 Lithium superionic conductor $\text{Li}_{1.6}\text{Ni}_{1.3}(\text{Ti}_{0.6}\text{Ge}_{0.4})_{1.7}(\text{PO}_4)_3$ for solid-state batteries** **P.P1.17**
Swarup Kundu¹, Norma Maria Pereira Machado¹, Ana Candida Martins Rodrigues¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Analysis of phases and crystalline structures resulting from thermal decomposition of Li_xCoO_2 compound in oxidant atmosphere** **P.P1.18**
Stephany Pires da Silva¹, Jair Scarminio¹, Paulo Rogério Catarini da Silva¹, Alexandre Urbano¹; ¹Universidade Estadual de Londrina
- 17:45 Recycling cathode from spent ion-lithium batteries as the formation of cobalt anodic oxide films and their electrochemical properties** **P.P1.19**
Estêvão Pompermayer Cristofori Lima¹, Vitor Cezar Broetto Pegoretti², Pedro Vitor Morbach Dixini¹, Marcos Benedito Jose de Freitas¹; ¹Universidade Federal do Espírito Santo, ²UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO
- 17:45 Re-synthesis of LiCoO_2 extracted from cathodes of discarded lithium-ion batteries and its characterization as electrochemical electrodes** **P.P1.20**
 Lucas Evangelista Sita¹, Stephany Pires da Silva¹, Jair Scarminio¹, Paulo Rogério Catarini da Silva¹, Caroline Santana dos Santos¹; ¹Universidade Estadual de Londrina
- 17:45 Grain size distribution in the cathode powder of discarded lithium-ion batteries** **P.P1.21**
Fernando Henrique Pavoni¹, Paulo Rogério Catarini da Silva¹, Jair Scarminio¹; ¹Universidade Estadual de Londrina
- 17:45 Thermal synthesis, characterization and electrochemical study of high-temperature (HT) LiCoO_2 obtained from $\text{Co}(\text{OH})_2$ recycled of spent lithium ion batteries** **P.P1.22**
Vitor Cezar Broetto Pegoretti¹, Pedro Vitor Morbach Dixini², Pamela Cristina Smecellato³, Sonia Regina Biaggio³, Marcos Benedito Jose de Freitas¹; ¹UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO, ²Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ³Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Neutralization Batteries** **P.P1.23**
William Gomes de Moraes¹, Jonas de Arruda Leite Júnior¹, Fritz Huguenin¹; ¹Universidade de São Paulo
- 17:45 Neutralization batteries to harvest energy** **P.P1.24**
Wellington José Alves Santos Gomes¹, Fritz Huguenin¹; ¹Universidade de São Paulo
- 17:45 Electrodeposition of Nickel on Activated Carbon Fiber Felts Produced from Textile Polyacrylonitrile** **P.P1.25**
Miguel Angelo do Amaral Junior¹, Sandro Fonseca Quirino², Newton Adriano dos Santos Gomes³, Jossano Saldanha Marcuzzo¹, Emerson Sarmiento Gonçalves³, Jorge Tadao Matsushima¹, Mauricio Ribeiro Baldan¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Instituto Nacional de pesquisas espaciais, ³Ciência e Tecnologia Espacial
- 17:45 Hydrogen-Oxygen Generating System for Engine Vehicles** **P.P1.26**
César Augusto Duarte Rodrigues¹, Eduardo Mascarin¹, Francisco Pereira Lopes de Azevedo¹, Germano Tremiliosi-Filho², Fredy João Valente³; ¹Hidroflex LTDA, ²Instituto de Química de São Carlos, ³Universidade Federal de São Carlos

- 17:45 Finite Element Analysis in Materials Selection for Small Wind Turbine Blades** P.P1.27
Maximilian da Rosa Bretschneider¹, Eduardo Luis Schneider¹, Anderson Braun¹; ¹Universidade Feevale
- 17:45 Thermodynamic studies of sensible and latent heat storage materials** P.P1.28
Kristina Lilova¹; ¹Setaram Inc.
- 17:45 Calorimetry studies of high temperature thermal storage materials used in Concentrated Solar Power (CSP) systems** P.P1.29
Kristina Lilova¹, Danilo Massaki Oshima², Link Brown¹; ¹Setaram Inc., ²Dairix
- 17:45 Ni²⁺ ion exchanged faujasite nanozeolite as solid support for Candida antarctica B lipase immobilization and the complex application for oleic acid esterification.** P.P1.30
Alex Henrique Miller¹, José Geraldo Nery¹; ¹UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto
- 17:45 Characterization of BSCF perovskites with introduction of scandium** P.P1.31
Daniel Dornellas Athayde¹, Eduardo Henrique Martins Nunes¹, Wander Luiz Vasconcelos¹; ¹Universidade Federal de Minas Gerais
- 17:45 Assessing the conditions to prepare H₃PW₁₂O₄₀ catalyst supported on Nb₂O₅ for transesterification of macaw palm oil** P.P1.32
Celso Luiz de Aquino Santos¹, JOÃO PAULO ALVES SILVA¹, Leyvison Rafael Vieira da Conceição¹, Heizir Ferreira de Castro¹, Livia Melo Carneiro¹; ¹Universidade de São Paulo - Escola Engenharia Lorena
- 17:45 Synthesis and characterization of titania nanotubes and gold nanoparticles nanocomposites for hydrogen production improvement** P.P1.33
Rhauane Almeida Galvão^{1,2}, Germana Michelle Medeiros e Silva², Giovanna Machado²; ¹Universidade Federal de Pernambuco, ²Centro de Tecnologias Estratégicas do Nordeste
- 17:45 Effect of VO_x on Pt/Al₂O₃ catalysts for hydrogen production** P.P1.34
Tathiana Midori Kokumai¹, Daniel Augusto Cantane¹, Guilherme Tavares de Melo¹, Luigi Baldini Paulucci¹, Daniela Zanchet¹; ¹University of Campinas
- 17:45 A seed-based synthesis of Au-Cu nanoparticles for catalytic production of H₂** P.P1.35
Tanna Elyn Rodrigues Fiuza¹, Danielle Santos Gonçalves¹, Luelc Sousa da Costa¹, Diego Rodrigues de Carvalho¹, Daniela Zanchet¹; ¹Institute of Chemistry-UNICAMP
- 17:45 PtNi nanoparticles as catalysts for hydrogen production** P.P1.36
Danielle Santos Gonçalves¹, Daniela Zanchet¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Synthesis of PtCo/ZSM-5-C catalysts for methanol electrooxidation** P.P1.37
Karen Vieira Melo^{1,2}, Ana Maria Rocco¹; ¹Universidade Federal do Rio de Janeiro, ²Instituto Federal Fluminense
- 17:45 Carbon Dioxide Electrochemical Reduction on Ni and Sn-modified Cu Electrocatalysts: Product Distribution Investigated by on-line Mass Spectrometry** P.P1.38
Fabio H.B. Lima¹, Mariana R. Camilo¹, Wanderson O. Silva¹, Ricardo S. de Moraes¹; ¹Instituto de Química de São Carlos
- 17:45 Crystal size effect on the electrochemical oxidation of formate on carbon-supported palladium nanoparticles** P.P1.39
Rayana Marcela Izidoro da Silva Santos¹, Roberto Zenhei Nakazato¹, Eduardo Gonçalves Ciapina¹; ¹UNESP Guaratinguetá

- 17:45 Palladium-based Electrocatalysts for Ethanol Oxidation Reaction in Alkaline Direct Ethanol Fuel Cell** **P.P1.40**
Leticia Poras Reis de Moraes^{1,2}, Bruno R. Matos², Elisabete Inácio Santiago², Fabio Coral Fonseca², Sandro Campos Amico¹, Celia de Fraga Malfatti¹;
¹Universidade Federal do Rio Grande do Sul, ²Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Pt and PtRu nanoparticles supported on N-doped carbons as electrocatalysts for methanol electro-oxidation** **P.P1.41**
Viviane Santos Pereira¹, Júlio César Martins Silva¹, Almir Oliveira Neto¹, Estevam Vitorio Spinacé¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 Effect of transition metal oxides as supports on the electrocatalysis of oxygen reduction on Pt nanoparticles** **P.P1.42**
Felipe Berto Ometto¹, Hebe Mercedes Villullas¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Carbon-supported PdAu catalysts with different nanostructures and their activity towards oxygen reduction** **P.P1.43**
Irã Borges Coutinho Gallo¹, Hebe Mercedes Villullas¹; ¹Instituto de Química de Araraquara/UNESP
- 17:45 Synthesis and characterization of carbon-supported PdNi nanocatalysts for electroreduction of oxygen** **P.P1.44**
Muhammad Sufaid Khan¹, Rosendo Parra Milian¹, Irã Borges Coutinho Gallo², Hebe Mercedes Villullas²; ¹Instituto de Química de Araraquara/UNESP, ²Instituto de Química - UNESP
- 17:45 Ellipsometry of Cu₂SnSe₃ films** **P.P1.45**
Henrique Limborço¹, Marcus Vinícius Moreira¹, Alfredo Gontijo de Oliveira¹, Juan Carlos González¹; ¹Universidade Federal de Minas Gerais
- 17:45 Influence of Pt deposition on water splitting hydrogen generation by highly ordered Ta₂O₅-TiO₂ freestanding nanotube** **P.P1.46**
Thiago André Salgueiro Soares^{1,2}, Lilian Campelo Holanda^{1,2}, Yamê Cavalcanti Bezerra^{1,2}, Luciano Costa Almeida¹, Giovanna Machado²; ¹Universidade Federal de Pernambuco, ²Centro de Tecnologias Estratégicas do Nordeste
- 17:45 GaSe₉ and Se based solar cells: influence of Ga on morphological, optical and electrical properties** **P.P1.47**
Anderson Hoff¹, Isidro Cruz-Cruz¹, Mariana Couto Siqueira¹, Kleber Daum Machado¹, Ivo Alexandre Hümmelgen¹; ¹Universidade Federal do Paraná
- 17:45 WO₃/TiO₂ porous electrodes: photoelectrochemical properties and photocatalytic activity for ciprofloxacin removal from water** **P.P1.48**
Natália Sabatini¹, Caio Rodrigues-Silva¹, José Roberto Guimarães², Claudia Longo¹; ¹Institute of Chemistry-UNICAMP, ²Faculdade de Engenharia Civil-UNICAMP

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION P.OR4 (09:45 - 10:45) - Room Amoreiras I

- 09:45 Enhancement of first hydrogenation in TiFe alloy by addition of transition elements** P.OR4.11*
Jacques Huot¹, Pragma Jain¹, Catherine Gosselin¹; ¹Université du Quebec Trois-Rivieres
- 10:15 Palladium-based electrocatalysts for electrochemical energy conversion** P.OR4.12*
Eduardo G. Ciapina¹; ¹UNESP Guaratinguetá

SESSION P.OR5 (11:15 - 12:00) - Room Amoreiras I

- 11:15 Isostructural Al-based metal-organic frameworks for adsorption driven heat pumps** P.OR5.13
Daiane Damasceno Borges¹, Guillaume Maurin², Douglas Soares Galvão¹; ¹Universidade de Campinas, ²Institut Charles Gerhardt Montpellier
- 11:30 Fabrication of Si and Ag nanoparticles by the anodizing of valve metals** P.OR5.14
Luis Frederico P. Dick¹, RENATO DE VALENTE VALENTE¹, Isaac Rodrigues Perez¹, Sabrina Luiza Zordan¹, Caroline Barros¹; ¹Universidade Federal do Rio Grande do Sul
- 11:45 Optical analysis of cobalt oxide thin films deposited by reactive sputtering** P.OR5.15
José Humberto Dias da Silva¹, Antonio Ricardo Zanatta², Nilton Francelosi Azevedo Neto¹, André Luis de Jesus Pereira³, Kleper de Oliveira Rocha¹, João Carlos Angélico¹, Paulo Noronha Lisboa-Filho¹; ¹Faculdade de Ciências/Bauru, ²Instituto de Física de São Carlos, ³Universidade Federal da Grande Dourados

SESSION P.OR6 (14:00 - 16:15) - Room Amoreiras I

- 14:00 Energy Materials Research with Synchrotron Radiation: present and future** P.OR6.16*
Tulio Rocha¹; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 14:30 Well-dispersed CeO₂ nanoparticles in Pt/SiO₂ catalysts for H₂ production** P.OR6.17
Tathiana Midori Kokumai¹, Daniela Zanchet¹; ¹University of Campinas
- 14:45 Combining Molecular Dynamics Simulations and First-principles Calculations to Understand the Structural and Spectroscopy Properties of Ru-based CO₂ Reduction Electrocatalyst in Aqueous Environment** P.OR6.18
Luciano Tavares Costa^{1,2}, Rócio Sánchez-de-Armas³, Giane B Damas², José Luis Lima de Jesus Silva², Barbara Brena², C. Moyses Araujo²; ¹Universidade Federal Fluminense, ²Uppsala University / Uppsala Universitet, ³Universidad de Sevilla
- 15:00 Self-assembled Films of conducting polymers, Carbon Nanotubes and Graphene oxide: their use as transparent electrodes in OPVs.** P.OR6.19*
Lucimara Stolz Roman¹; ¹Universidade Federal do Paraná
- 15:30 Conducting Polymers-Based Functional Materials** P.OR6.20
Everaldo Carlos Venancio¹; ¹Universidade Federal do ABC
- 15:45 Mesoporous zirconia-ceria for anodes of SOFC and catalyser** P.OR6.21
Marcia Carvalho de Abreu Fantini¹, Vinicius Roberto de Sylos Cassimiro¹, Rafael Cartoni Monteiro¹; ¹Instituto de Física-USP

- 16:00 Structural Features and Proton Conductivity of Nafion-CsHSO₄ Composite Membranes P.OR6.22**
Bruno R. Matos¹, Leticia Poras Reis de Moraes¹, Elisabete Inácio Santiago¹, Fábio Coral Fonseca¹; ¹Instituto de Pesquisas Energéticas e Nucleares

Poster presentations

SESSION P.P2 (17:45 - 19:30)

- 17:45 Synthesis and Characterization of Polyaniline/Carbon Black Nanocomposites P.P2.49**
Luis Marcelo G da Silva¹, Nathalia Barone Oliveira¹, Gerson Luiz Mantovani¹, Sydney Ferreira Santos¹, Renato Altobelli Antunes¹, Everaldo Carlos Venancio¹; ¹Universidade Federal do ABC
- 17:45 Synthesis of binary composites formed by graphene oxide and polyaniline for application as low cost, high efficiency supercapacitor electrodes P.P2.50**
Ariane Silva Ribas¹, Gustavo Marciniuk¹, Jarem Raul Garcia Garcia¹, Rodolfo Thiago Ferreira¹, Rodolfo Bonoto Estevam¹, Felipe Tadashi Kasuga¹, Andressa Oliveira Rodrigues¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Evaluation of temperature and current density in the electrochemical synthesis of PANI/Carbon fiber composites P.P2.51**
Andre Ferreira Sardinha¹, Andrea Boldarini Couto¹, Dalva Alves de Lima Almeida¹, Neidenei Gomes Ferreira¹; ¹Instituto Nacional de Pesquisas Espaciais
- 17:45 Effect of the substrate annealing treatment in the electrochemical performance of the PANi/CF binary composites P.P2.52**
Andrea Boldarini Couto¹, Dalva Alves de Lima Almeida¹, Neidenei Gomes Ferreira¹; ¹Instituto Nacional de Pesquisas Espaciais
- 17:45 Potentiostatic Synthesis of PANI for Application in Energy Storage Devices P.P2.53**
João Carlos Martins¹, Raimundo Ribeiro Passos¹, Leandro Aparecido Pocrifka¹; ¹Universidade Federal do Amazonas
- 17:45 Polyaniline synthesized in pilot scale: structural and morphological characteristics P.P2.54**
Maria Alice Carvalho Mazzeu^{1,2}, Emerson Sarmiento Gonçalves^{1,3}, Maurício Ribeiro Baldan⁴, Adriana Medeiros Gama³, Lohana Komorek Faria⁵; ¹Instituto Tecnológico da Aeronáutica, ²Instituto de Fomento e Coordenação Industrial, ³Instituto de Aeronáutica e Espaço, ⁴Instituto Nacional de Pesquisas Espaciais, ⁵Universidade do Vale do Paraíba
- 17:45 3D-Ternary electrode based on zirconia nanoparticles, reduced graphene oxide and polypyrrole for supercapacitor application P.P2.55**
Ana Paula Pereira Alves^{1,2}, Ryota Koizumi², Chandra S Tiwary², Pulickel Ajayan², Glaura Goulart Silva¹; ¹Universidade Federal de Minas Gerais, ²Rice University
- 17:45 Influence of the crosslinking agent on the properties of proton conductive membranes based on SIPN P.P2.56**
Alexandre S. M. Galvão Carvalho¹, Felipe A. Moro Loureiro¹, Ana Maria Rocco¹; ¹Universidade Federal do Rio de Janeiro - EQ
- 17:45 Structure and Transport Properties of Annealed Nafion Membranes P.P2.57**
Bruno R. Matos¹, Jaqueline de Souza da Silva¹, Fábio Coral Fonseca¹; ¹Instituto de Pesquisas Energéticas e Nucleares

- 17:45 COMPOSITE SPEEK/ZEOLITE/IONIC LIQUID POLYMER MEMBRANES FOR FUEL CELL APPLICATIONS** **P.P2.58**
Letícia Guerreiro da Trindade¹, Ernesto Chaves Pereira¹; ¹Universidade Federal de São Carlos
- 17:45 Solid polymeric electrolyte for Fuel Cell based on a nanostructured SIPN system** **P.P2.59**
Alexandre S. M. Galvão Carvalho¹, Ana Maria Rocco¹; ¹Universidade Federal do Rio de Janeiro - EQ
- 17:45 Preparation and characterization of radiation-grafted poly(ethylene-co-tetrafluoroethylene) films as electrolyte for alkaline fuel cells** **P.P2.60**
Clotilde Coppini Pereira¹, Orlando Rodrigues Jr.¹, Leonardo Gondim de Andrade Silva¹, Elisabete Inácio Santiago¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Eletrospun poly(acrylonitrile-co-vinyl acetate) (PANVA) copolymer nanofibers: thermal treatment and characterization** **P.P2.61**
Giulia Maria Rodrigues Alvares¹, Everaldo Carlos Venancio¹, Márcia Tsuyama Escote¹, Juliane Carla Bernardi¹, Gerson Luiz Mantovani¹, Paula Maria Gabriela Leal Ferreira¹; ¹Universidade Federal do ABC
- 17:45 Polyether-block-polyamide copolymer -ionic liquids films as polymeric solid electrolytes** **P.P2.62**
 Sinval Braz Silva Filho¹, Fernanda Ferraz Camilo¹, Roselena Faez²; ¹Universidade Federal de São Paulo, ²Universidade Federal de São Carlos
- 17:45 Study of the capacitance as a function of bend angle of flexible supercapacitors prepared with MWCNT and gel polymer electrolyte** **P.P2.63**
Sandra Aparecida Alexandre¹, João Paulo Campos Trigueiro², Glaura Goulart Silva¹, Rodrigo Lassarote Lavall¹; ¹Universidade Federal de Minas Gerais, ²Instituto Federal de Educação, Ciência e Tecnologia de Minas Gerais
- 17:45 Energy harvesting by neutralization pseudocapacitor obtained from phosphomolybdic acid and poly(3,4-ethylenedioxythiophene)** **P.P2.64**
Wellington José Alves Santos Gomes¹, Bruno Bravin¹, Fritz Huguenin¹; ¹Universidade de São Paulo
- 17:45 Investigation of the electrochromic properties of poly(o-methoxyaniline)-poly(3-thiophene acetic acid) layer-by-layer films** **P.P2.65**
Wania Aparecida Christinelli¹, Aline Barrios Trench¹, Ernesto Chaves Pereira¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Activated Carbon Fiber obtained from textile PAN fiber to electrodes for supercapacitor** **P.P2.66**
 Elen Leal da Silva¹, Jossano Saldanha Marcuzzo^{1,2}, Andres Cuña³, Aline Castilho Rodrigues⁴, Emerson Sarmiento Gonçalves⁴, Maurício Ribeiro Baldan¹; ¹Instituto Nacional de pesquisas espaciais, ²Faculdade de Tecnologia de São Jose dos Campos, ³Faculdade de Química, Universidad de la Republica, ⁴Instituto Tecnológico de Aeronáutica
- 17:45 Cloud point enhancement profile of libraries of modified Poly(N-isopropylmethacrylamide)** **P.P2.67**
Alexandre Guilherme Silva Tavares¹, Kelly Cristine da Silveira¹, Elizabete Fernandes Lucas¹; ¹Universidade Federal do Rio de Janeiro

- 17:45 Metal adsorption Process in Activated Carbon Fiber from textile PAN Fiber aim electrode Production** **P.P2.68**
Aline Castilho Rodrigues¹, Elen Leal da Silva², Jossano Saldanha Marcuzzo², Andres Cuña³, Emerson Sarmiento Gonçalves¹, Mauricio Ribeiro Baldan²;
¹Instituto Tecnológico Aeroespacial, ²Instituto Nacional de Pesquisas Espaciais, ³Faculdade de Química, Universidad de la Republica
- 17:45 Electromagnetic Characteristics of Carbon Fiber Powder Embedded in Epoxy Resin** **P.P2.69**
Miguel Angelo do Amaral Junior¹, Sandro Fonseca Quirino², Jossano Saldanha Marcuzzo¹, Newton Adriano dos Santos Gomes³, Jorge Tadao Matsushima^{1,4}, Emerson Sarmiento Gonçalves⁵, Mauricio Ribeiro Baldan¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Instituto Nacional de pesquisas espaciais, ³Instituto Tecnológico de Aeronáutica, ⁴ETEP Faculdades, ⁵Ciência e Tecnologia Espacial
- 17:45 Visualizing cellulase action on cellulose substrates** **P.P2.70**
Marina Richena¹, Vanessa de Oliveira Arnoldi Pellegrini², Igor Polikarpov², Camila Alves de Rezende¹; ¹Institute of Chemistry-UNICAMP, ²Institute of Physics of São Carlos - USP
- 17:45 Tungsten-doped BiVO₄/β-Bi₄V₂O₁₁ photoanodes for the water oxidation under visible light irradiation** **P.P2.71**
Wayler Silva dos Santos¹, Reislá Grasielle Gonçalves¹, Rafael Lemos dos Santos¹, André Santiago Afonso¹, Mariandry dell Valle Rodriguez¹, José Domingos Fabris¹, Márcio César Pereira¹; ¹Federal University of the Jequitinhonha and Mucuri Valleys
- 17:45 Charge transfer kinetics of BiVO₄/β-Bi₄V₂O₁₁ photoanodes during the photoelectrochemical water oxidation** **P.P2.72**
Wayler Silva dos Santos¹, Reislá Grasielle Gonçalves¹, Rafael Lemos dos Santos¹, André Santiago Afonso¹, Mariandry dell Valle Rodriguez¹, José Domingos Fabris¹, Márcio César Pereira¹; ¹Federal University of the Jequitinhonha and Mucuri Valleys
- 17:45 Assessment of the crystalline phases evolution in obtaining nano-sized BiTaO₄ by hydrothermal method using in situ X-ray diffraction** **P.P2.73**
Djalma Lucas Sousa Maia¹, Márcio Medeiros Soares², Luciana Almeida Silva¹;
¹Universidade Federal da Bahia, ²Laboratório Nacional de Luz Síncrotron
- 17:45 A facile and cheap method to obtain heterostructures of WO₃/BiVO₄ and MoO₃/BiVO₄** **P.P2.74**
Dyovani Coelho¹, Lucia Helena Mascaro¹; ¹Universidade Federal de São Carlos
- 17:45 Enhancing Photoanodic Activity of Nano-BiVO₄ Films with a Coating of Microporous Al₂O₃** **P.P2.75**
Murilo Fernando Gromboni¹, Frank Marken², Lucia Helena Mascaro¹;
¹Universidade Federal de São Carlos - Campus: São Carlos, ²University of Bath
- 17:45 Influence of additives Li⁺ and tBP on liquid and quasi-solid cobalt electrolytes applied in dye sensitized solar cells** **P.P2.76**
gabriela sonai sonai¹, Armi Tiuhonen², Kati Miettunen², Peter Lund², Ana Flávia Nogueira¹; ¹University of Campinas, ²Aalto University
- 17:45 Photoluminescence and Photocatalytic Properties of Ag₄P₂O₇ microcrystals** **P.P2.77**
Wyllamanney da Silva Pereira¹, Leandro Silva Matos¹, Gleice Botelho¹, Elson Longo²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Instituto de Química de Araraquara/UNESP

- 17:45 Artificial photosynthesis assisted by N:ZnO nanoparticles P.P2.78**
Jéssica Ariane Oliveira¹, Andre Esteves Nogueira², Elaine Cristina Paris², Cauê Ribeiro Oliveira², Gael Yves Poirier³, Tania Regina Giraldo³; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Embrapa Instrumentação, ³Universidade Federal de Alfenas
- 17:45 SYNTHESIS AND CHARACTERIZATION OF ZNO NANOPARTICLES FOR PHOTOCATALYSIS APPLICATION P.P2.79**
Tatiana Martelli Mazzo¹, Gabriela Bosco Minervino¹, Carlos Alberto Medalha Filho¹, Regiane Cristina Oliveira², Elson Longo²; ¹UNIVERSIDADE FEDERAL DE SÃO PAULO - Campus Baixada Santista, ²Universidade Federal de São Carlos
- 17:45 Enhancing hematite photoanode activity for water splitting by incorporation of reduced graphene oxide P.P2.80**
Saulo Amaral Carminati¹, Flavio Leandro Souza², Ana Flávia Nogueira¹; ¹Institute of Chemistry-UNICAMP, ²Universidade Federal do ABC
- 17:45 Up and downconversion from double and simultaneous excitation of Y₂O₃:Er³⁺/Yb³⁺/Eu³⁺ possible application in device for energy conversion P.P2.81**
Caroline de Mayrinck¹, Renato Luiz Siqueira², Marco Antonio Schiavon¹, Sidney José Lima Ribeiro³, Jefferson Luis Ferrari¹; ¹Universidade Federal de São João del-Rei, ²Universidade Federal de São Carlos, ³Instituto de Química - IQ - Unesp - Araraquara
- 17:45 Optical processes in hybrid semiconductor nanowires formed by heterostructures of GaAs/AlGaAs/GaAs and conjugated polymer with potential application in photovoltaic devices P.P2.82**
Raphael Antonio Caface¹, Yuri Pussep¹, Francisco E.G. Guimaraes¹; ¹Instituto de Física de São Carlos
- 17:45 Switching processes and energy-storage characteristics in PLZT 2/95/5 antiferroelectric ceramic system P.P2.83**
Aimé Peláiz Barranco¹, Yanela Méndez González¹, José de los Santos Guerra², Marco Aurélio de Oliveira³, Xiucai Wang⁴, Tongqing Yang⁴; ¹Universidad de la Habana, ²Universidade Federal de Uberlândia, ³Faculdade de Engenharia/UNESP-IS, ⁴Tongji University
- 17:45 Obtaining solid electrolytes sodium beta alumina via conversion in solid state. P.P2.84**
Samuel Silveira Martins¹, Vera Lúcia Arantes¹; ¹Universidade de São Paulo
- 17:45 Heteropolyacid supported on alumina and niobia for biodiesel production via simultaneous esterification and transesterification of macaw palm oil P.P2.85**
Leyvison Rafael Vieira da Conceição¹, Flávia Danielle Santos¹, Livia Melo Carneiro¹, Heizir Ferreira de Castro¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Structuring peroxotungstic acid in aqueous medium with sodium dodecyl sulfate P.P2.86**
Julia Cristina Oliveira Pazinato¹, Marcos Antonio Villetti², Diego Soares de Moura¹, IRENE TERESINHA SANTOS GARCIA¹; ¹Universidade Federal do Rio Grande do Sul, ²Universidade Federal de Santa Maria
- 17:45 Tungsten oxide films obtained from sodium tungstate/sodium dodecyl sulfate by sol-gel method P.P2.87**
Diego Soares de Moura¹, Julia Cristina Oliveira Pazinato¹, IRENE TERESINHA SANTOS GARCIA¹; ¹Universidade Federal do Rio Grande do Sul

- 17:45 Effect of layer thickness on photoactivity of tungsten oxide electrodes** **P.P2.88**
Ivaldete da Silva Dupim¹, Vinicius Sousa¹, Sydney Ferreira Santos^{2,1}, Jean-Louis Bobet³, Flavio Leandro Souza¹; ¹Universidade Federal do ABC, ²Fundação Universidade Federal do Abc, ³Université de Bordeaux
- 17:45 Correlation between Film Pumping Speed and Stoichiometry in Titanium Oxides thin films growth by DC Reactive Sputtering** **P.P2.89**
Roberto Villarroel¹, Rodrigo A. Espinoza-González¹, Guillermo Gonzalez-Moraga¹; ¹Universidad de Chile
- 17:45 Nanocrystalline anatase TiO₂/reduced graphene oxide composite films as photoanodes for photoelectrochemical water splitting studies: the role of reduced graphene oxide** **P.P2.90**
Andreia de Morais¹, Claudia Longo¹, Joyce Rodrigues Araujo², Monica Barroso³, James Durrant⁴, Ana Flávia Nogueira¹; ¹Universidade Estadual de Campinas, ²Instituto Nacional de Metrologia, Qualidade e Tecnologia, ³Utrecht University / Universiteit Utrecht, ⁴Imperial College
- 17:45 Preparation of TiO₂ Nanofibers by Electrospinning from Poly(butylene adipate co-terephthalate)/TiO₂ Nanoparticules Composite** **P.P2.91**
Guilherme Kretzmann Belmonte¹, Andressa Peyrot¹, Cesar Bergamin Duarte¹, Daniel Eduardo Weibel¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Synthesis and Structural Characterization of Ca₃Co₄O₉ based Thermoelectric Oxide** **P.P2.92**
Paulo Henrique Xavier¹, Elio Thizay Magnavita¹, Person Pereira Neves¹, Hugo Bonette de Carvalho¹, Niko Churata Mamani¹, Antonio Carlos Doriguetto¹, Ângela Ortiz Zevallos¹; ¹Universidade Federal de Alfenas
- 17:45 Preliminary results on thermoluminescence and kinetic parameters in CaO-Li₂O-B₂O₃ glass system** **P.P2.93**
Enderson Sergio Bannwart¹, Nicele Brito Pimentel¹, Seila Rojas de Souza¹, José Ezequiel De Souza¹; ¹Fundação Universidade Federal da Grande Dourados
- 17:45 Effect of Ti substitution by Cr and Ge in lithium ion-conducting glass-ceramics of the Li_{1+x}Cr_x(Ge_yTi_{1-y})_{2-x}(PO₄)₃ system.** **P.P2.94**
Rafael Bianchini Nuernberg¹, Ana Candida Martins Rodrigues¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Pyrite: a solid residue of the coal mining with potential for solar energy conversion** **P.P2.95**
Camila Machado de Oliveira¹, Roselane Cesconeto², Adenilson José Chiquito³, Tiago Elias Allievi Frizon², Michael Peterson², Carolina Milcharek Machado²; ¹Universidade Federal de Santa Catarina, ²Universidade do Extremo Sul Catarinense, ³Universidade Federal de São Carlos
- 17:45 Energy storage capacity of blends of coals pre and post compression process** **P.P2.96**
João Lúcio Barros^{1,2}, Alessandra Luzia Da Róz¹, Fábio Minoru Yamaji³, Leandro Cardoso Morais²; ¹Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, ²UNESP - Campus Sorocaba, ³Universidade Federal de São Carlos - Campus Sorocaba

SYMPOSIUM Q - Nanotoxicology and Nanoregulation - the safe use of manufactured nanomaterials and 2nd Nanoreg Brazil Meeting

Symposium organizers:

Valtencir Zucolotto (*USP*)
Nelson Durán (*Unicamp*)
Wagner José Favaro (*Unicamp*)
Juliana Cancino Bernardi (*USP*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION Q.OR1 (09:45 - 10:45) - Room Amoreiras II

- 09:45 Nanotoxicological studies indicate that lipid-core nanocapsules are a safe formulation for drug delivery** **Q.OR1.1***
Silvia Guterres¹; ¹Programa de Pos-Graduação em Ciências Farmacêuticas, Universidade Federal do Rio Grande do Sul (UFRGS)
- 10:15 Preparation, structural and magnetic investigation, and toxicity assays of SPIONs as carriers of nitric oxide** **Q.OR1.2**
Luana Caroline Gonçalves¹, Amedea Barozzi Seabra^{1,2}, Paula Silvia Haddad¹; ¹Universidade Federal de São Paulo, ²Universidade Federal do ABC
- 10:30 Mesoporous silica particles modified with graphitic carbon: interaction with human red blood cells and plasma proteins** **Q.OR1.3**
Diego Stefani Teodoro Martinez¹, João Paulo Vita Damasceno², Lidiane Silva Franqui¹, Jefferson Bettini¹, Italo Odone Mazali², Mathias Strauss¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Universidade Estadual de Campinas

SESSION Q.OR2 (11:15 - 12:00) - Room Amoreiras II

- 11:15 Nanoecotoxicity assessment of activated carbon from sugarcane bagasse modified with silver nanoparticles** **Q.OR2.4**
Suely Patrícia Costa Gonçalves¹, Mathias Strauss¹, Fabrício Souza Delite¹, Zaira Clemente², Vera Lúcia Scherholz Salgado Castro², Diego Stefani Teodoro Martinez¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Empresa Brasileira de Pesquisa Agropecuária
- 11:30 Interaction of single and multi-layer graphene oxide with fetal bovine serum: assessing the protein corona formation** **Q.OR2.5**
Lidiane Silva Franqui^{1,2}, Marcelo Alexandre De Farias¹, Rodrigo Villares Portugal¹, Carlos Alberto Costa¹, Vitor Rafael Coluci², Adriana Franco Paes Leme¹, Diego Stefani Teodoro Martinez^{1,2}; ¹Brazilian Center for Research in Energy and Materials, ²University of Campinas
- 11:45 Characterization of sugarcane bagasse ash for application in agriculture** **Q.OR2.6**
Laís Luz Rodrigues Neto^{1,2}, Mathias Strauss¹, Fabrício Souza Delite¹, Diego Stefani Teodoro Martinez^{1,2}; ¹Brazilian Center for Research in Energy and Materials, ²University of Campinas

SESSION Q.OR3 (14:00 - 16:15) - Room Amoreiras II

- 14:00 POTENTIAL THERAPEUTIC STRATEGIES FOR BLADDER CANCER: CHEMOTHERAPY ASSOCIATED WITH GRAPHENE OXIDE** **Q.OR3.7***
Wagner José Fávaro^{1,2}, Nelson Durán^{1,2}; ¹Laboratory of Urogenital Carcinogenesis and Immunotherapy, Department of Structural and Functional Biology, University of Campinas (UNICAMP), ²NanoBioss, Institute of Chemistry, University of Campinas (UNICAMP)
- 14:30 Size and morphology dependence of gold nanorods and gold nanospheres in the nanotoxicological process: in vitro, in vivo and membrane models studies** **Q.OR3.8**
Juliana Cancino Bernardi¹, Paula Lins¹, Valeria Spolon Marangoni², Jean Besson³, Maria Euride Cancino³, Maria Raquel Natali³, Valtencir Zucolotto²; ¹Instituto de Física de São Carlos - Universidade de São Paulo, ²Instituto de Física de São Carlos - USP, ³Universidade Estadual de Maringá
- 14:45 Acute toxicity of two metallic nanoparticles to zebrafish (*Danio rerio*)** **Q.OR3.9**
Francine Perri Venturini¹, Jaqueline Pérola Souza¹, Valtencir Zucolotto¹; ¹Instituto de Física de São Carlos - USP
- 15:15 HSEnano a web-based platform to assist the risk assessment of carbon nanomaterials** **Q.OR3.10**
Guilherme Frederico Bernardo Lenz e Silva¹; ¹Escola Politécnica da Universidade de São Paulo
- 15:30 Use of multicriteria methods to improve risk assessment of carbon nanomaterials** **Q.OR3.11**
Guilherme Frederico Bernardo Lenz e Silva¹, Robert Hurt²; ¹Escola Politecnica da USP, ²Brown University
- 15:45 SYNTHESIS AND CHARACTERIZATION OF METAL NANOPARTICLES OF GOLD, SILVER, COPPER AND SILVER-PALLADIUM ALLOY STABILIZED IN HYALURONIC ACID** **Q.OR3.12**
GALO CARDENAS¹, Macarena p Ruiz², Luis Vergara González³, Javier Ojeda⁴, Guillermo Solorzano⁵; ¹UNIVERSIDAD DEL BIOBIO, ²UNIVERSIDAD SAN SEBASTIAN, ³Universidad San Sebastián, ⁴UNIVERSIDAD AUSTRAL DE CHILE, ⁵UNIVERSIDAD CATOLICA DE RIO DE JANEIRO

Poster presentations

SESSION Q.P1 (17:45 - 19:30)

- 17:45 Zein nanoparticles loaded eugenol for diseases control in fishes: Preparation and Characterization** **Q.P1.1**
Angelica Irasema Sibaja Luis¹, Jhones Luis Oliveira¹, Leonardo Fernandes Fraceto¹; ¹Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Enhanced photoactivity of chlorin-conjugated gold nanoparticles** **Q.P1.2**
Thaís Ayumi Fukuda Cursino¹, Dayane Batista Tada¹, Daniela Formaggio¹, Alexandre Martins Santos¹, Adjaci Fernandes Uchoa²; ¹Universidade Federal de São Paulo, ²Universidade de São Paulo

- 17:45 Nanostructured lipid carrier loaded with flavonoid: Production, characterization and evaluation of its potential against skin cancer** **Q.P1.3**
Amanda Ferreira Costa¹, Paula Aragão Lima¹, Ljubica Tasic¹, Tiago Rodrigues², Nelson Durán^{1,3}; ¹Universidade Estadual de Campinas, ²Universidade Federal do ABC, ³Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Phytotoxicity of solid lipid and polymeric chitosan/tripolyphosphate nanoparticles in three plants species** **Q.P1.4**
Anderson Espirito Santo Pereira¹, Daniela Yurie Nakasato², Halley Caixeta de Oliveira³, Leonardo Fernandes Fraceto²; ¹Universidade Estadual de Campinas, ²Universidade Estadual Paulista "Júlio de Mesquita Filho", ³Universidade Estadual de Londrina
- 17:45 Toxicity of Ti-6Al-4V debris and vanadium ions** **Q.P1.5**
Bruna Carolina Costa^{1,2}, Cintia Kazuko Tokuhara³, Rodrigo Cardoso de Oliveira³, Luís Augusto Rocha^{1,2}, Paulo Noronha Lisboa-Filho^{1,2}; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho", ²Instituto de Biomateriais, Tribocorrosão e Nanomedicina, ³Universidade de São Paulo
- 17:45 Nanostructured lipid carriers containing benzophenone-3: In vitro cytotoxicity assays** **Q.P1.6**
Paula Aragão Lima¹, Carolina Moreira Watashi², Tiago Rodrigues², Nelson Durán^{1,3}; ¹Universidade Estadual de Campinas, ²Universidade Federal do ABC, ³Brazilian Nanotechnology National Laboratory
- 17:45 Nanostructured lipid carriers containing natural lipids: *in vitro* cytotoxicity assays** **Q.P1.7**
Caroline Aparecida Dalben Rampazo¹, Paula Aragão Lima¹, Nelson Durán¹, Tiago Rodrigues², Carolina Moreira Watashi²; ¹Universidade Estadual de Campinas, ²Universidade Federal do ABC
- 17:45 Characterization of nanomaterials using FESEM Microscopy** **Q.P1.8**
Anny Manrich¹, Ana Carolina Corrêa¹, Letícia Vitorazi¹, Francys Kley Vieira Moreira¹, Fabio Plotegher¹, Luiz Henrique Capparelli Mattoso¹, Elaine Cristina Paris¹, Cauê Ribeiro Oliveira¹; ¹Embrapa Instrumentação
- 17:45 NANoREG evaluation: Fish acute exposure to TiO₂, ZnO and SiO₂** **Q.P1.9**
Vera Lúcia Scherholz Salgado Castro¹, Jose Henrique Vallim¹, Zaira Clemente¹; ¹Embrapa Environment
- 17:45 Evaluation of NANoREG TiO₂ toxicity in Caenorhabditis elegans** **Q.P1.10**
Vera Lúcia Scherholz Salgado Castro¹, Rodrigo Castanha¹, Jose Henrique Vallim¹; ¹Embrapa Environment
- 17:45 RISK INDICATORS OF THE NANOPARTICLES-A DECISION MAKING PROCESS AIMING TO SUPPORT THE NANOMATERIALS DEVELOPMENT** **Q.P1.11**
Katia Regina Evaristo de Jesus¹, Karen Cristina Massini¹; ¹Embrapa Environment
- 17:45 Consultation of scientific experts as a preliminary approach aiming to contribute with the discussion of nanotechnology regulation** **Q.P1.12**
Katia Regina Evaristo de Jesus¹, Karen Cristina Massini¹; ¹Embrapa Environment
- 17:45 Oxidative stress and genotoxicity of adult of zebrafish (Danio rerio) after graphene oxide exposure** **Q.P1.13**
Jaqueline Pérola Souza¹, Jéssica Fernanda Baretta¹, Fabrício A. dos Santos¹, Valtencir Zucolotto¹; ¹Instituto de Física de São Carlos

- 17:45 Evaluating the graphene oxide dispersions for Fish Embryo Toxicity (FET) test** **Q.P1.14**
Zaira Clemente^{1,2}, Vera Lúcia Scherholz Salgado Castro², Lidiane Franqui¹, Cristiane A Silva¹, Diego Stefani Teodoro Martinez¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Improving dispersion of zinc oxide nanoparticles with biomolecules** **Q.P1.15**
Letícia Vitorazi¹, Fabio Plotegher¹, Francys Kley Vieira Moreira¹, Anny Manrich¹, Ana Carolina Corrêa¹, Luiz Henrique Capparelli Mattoso¹, Elaine Cristina Paris¹, Cauê Ribeiro Oliveira¹; ¹Embrapa Instrumentação
- 17:45 Green mecanochemical process for carbon nanotubes coating with humic acid: application and ecotoxicity evaluation** **Q.P1.16**
Francine Coa^{1,2}, Zaira Clemente³, Josias Rogerio Lopes^{4,1}, Laís Luz Rodrigues Neto^{4,1}, Osvaldo L Alves⁴, Vera Lúcia Scherholz Salgado Castro³, Edison Barbieri², Diego Stefani Teodoro Martinez¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Instituto de Pesca, ³Empresa Brasileira de Pesquisa Agropecuária, ⁴Universidade Estadual de Campinas
- 17:45 Verteporfin based silica nanoparticle for selective inhibition of human highly invasive melanoma cell proliferation.** **Q.P1.17**
Bianca Martins Estevão^{1,2,3}, Manuela Rizzi³, Stelvio Tonello³, Enrica Gianotti³, Leonardo Marchese³, Filippo Renò³; ¹Universidade Estadual de Maringá, ²Instituto de Física de São Carlos - USP, ³Università del Piemonte Orientale
- 17:45 Chemically reduced graphene functionalized with L-glutamine for applications in photohyperthermia** **Q.P1.18**
Fabricio Aparecido dos Santos¹, Catarina Brunhara Batista¹, Ieda Maria Martinez Paino¹, Valtencir Zucolotto¹; ¹Institute of Physics of São Carlos - USP
- 17:45 Viability and ROS production of two human thyroid cell lines after exposure to reduced and oxidized graphene.** **Q.P1.19**
William Waissmann Waissmann^{1,2}, Ieda Maria Martinez Paino², Fabrício A. dos Santos², Valtencir Zucolotto²; ¹Escola Nacional de Saúde Pública Sérgio Arouca/Fundação Oswaldo Cruz, ²Instituto de Física de São Carlos/Universidade de São Paulo
- 17:45 Collagen-based silver nanoparticles exhibit toxicology effects in cancer cells** **Q.P1.20**
Ieda Maria Martinez Paino¹, Vinicius Sara Cardoso², José Roberto Souza Almeida Leite³, Valtencir Zucolotto¹; ¹Institute of Physics of São Carlos - USP, ²Federal University of Piauí, ³University of Brasília
- 17:45 Synthesis and characterization of hydrophilic magnetic nanocomposites** **Q.P1.21**
Adriel Bortolin^{1,2}, Fauze Ahmad Aouada³, Luiz Henrique Capparelli Mattoso², Cauê Ribeiro Oliveira²; ¹Universidade Federal de São Carlos, ²Embrapa Instrumentação, ³Campus de Ilha Solteira
- 17:45 Morphology of gold nanorods induces defects in membrane models** **Q.P1.22**
Paula Lins¹, Valeria Spolon Marangoni¹, Valtencir Zucolotto¹, Juliana Cancino Bernardi¹; ¹Institute of Physics of São Carlos - USP
- 17:45 Cytotoxicity evaluation of magnetic iron oxide nanoparticles in liver cells** **Q.P1.23**
Cristiane Casonato Melo¹, Valtencir Zucolotto¹, Juliana Cancino Bernardi¹; ¹Institute of Physics of São Carlos - USP

- 17:45 Toxicity evaluation of gelatin-silver nanoparticles to microorganisms and fish embryos** **Q.P1.24**
Gabriela Helena Da Silva^{1,2}, Josias Rogerio Lopes³, Leandro de Sá Bortolozzo¹, Francine Coa¹, Regina Teresa Rosim Monteiro², Oswaldo Luiz Alves³, Diego Stefani Teodoro Martinez¹; ¹Centro Nacional de Pesquisa em Energia e Materiais, ²Centro de Energia Nuclear na Agricultura, ³Universidade de Campinas
- 17:45 Dynamic light scattering: a simple and efficient technique for characterizing nanoparticles** **Q.P1.25**
Fabio Plotegher¹, Francys Kley Vieira Moreira¹, Letícia Vitorazi¹, Anny Manrich¹, Ana Carolina Corrêa¹, Luiz Henrique Capparelli Mattoso¹, Elaine Cristina Paris¹, Cauê Ribeiro Oliveira¹; ¹Empresa Brasileira de Pesquisa Agropecuária - Embrapa Instrumentação São Carlos
- 17:45 Study of the oral acute toxicity of titanium dioxide nanoparticule** **Q.P1.26**
Humberto de Melo Brandão¹, Catiúscia Padilha Oliveira¹, Patricia Vilhena Dias Andrade¹, Cynthia Penoni Volpi Abreu², Flademir Wouters², Raimundo Vicente de Sousa², Michele Munk Pereira³, Saulo R Silva¹; ¹Embrapa Gado de Leite, ²Universidade Federal de Lavras, ³Universidade Federal de Juiz de Fora
- 17:45 Study of the oral acute toxicity of ZnO nanoparticles** **Q.P1.27**
Humberto de Melo Brandão¹, Cynthia Penoni Volpi Abreu², Catiúscia Padilha Oliveira¹, Patricia Vilhena Dias Andrade¹, Juliana Carine Gern¹, Raimundo Vicente de Sousa², Flademir Wouters², Saulo R Silva¹, Michele Munk Pereira³; ¹Embrapa Gado de Leite, ²Universidade Federal de Lavras, ³Universidade Federal de Juiz de Fora

SYMPOSIUM R - Surfaces and Interfaces for Medical Applications, Biomaterials and Health

Symposium organizers:

Diego Mantovani, PhD, FBSE (*Laval University*)

Marisa Beppu, PhD (*Unicamp*)

Victor M. Castaño, PhD (*Universidad Nacional Autonoma de Mexico*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION R.OR1 (09:45 - 10:45) - Room Carvalho II

- 09:45** **Developing human cell models to study interface reactions with biomaterials** **R.OR1.1***
James Kirkpatrick
- 10:15** **Electrospun multilayer chitosan scaffolds as potential wound dressings for skin lesions** **R.OR1.2**
Rafael Bergamo Trinca¹, José Alberto Fracassi da Silva¹, Ângela Maria Moraes¹; ¹Universidade Estadual de Campinas
- 10:30** **Nitric oxide-releasing nanosystems for topical applications: Synthesis, characterization and kinetics studies** **R.OR1.3**
Milena T. Pelegrino¹, Paula Silvia Haddad¹, Daniele Ribeiro de Araujo², Amedea Barozzi Seabra^{1,2}; ¹Universidade Federal de São Paulo, ²Universidade Federal do ABC

SESSION R.OR2 (11:15 - 12:00) - Room Carvalho II

- 11:15** **Sweet surfaces: glycoconjugates tunes cell behavior and surface phenomena** **R.OR2.4***
Guilherme Oliveira Barbosa¹, Hernandes F. Carvalho¹; ¹UNICAMP

SESSION R.OR3 (14:00 - 16:15) - Room Carvalho II

- 14:00** **Protein adsorption on polymer films and its relationship with hydration** **R.OR3.6***
Loreto Margarita Valenzuela¹, Min Bag¹; ¹Pontificia Universidad Católica de Chile
- 14:30** **Electrochemical Platform for MicroRNAs detection** **R.OR3.7**
Pawan Jolly¹, Marina Ribeiro Batistuti², Anna Miodek, Marcelo Mulato², Mark Lindsay¹, Pedro Estrela¹; ¹University of Bath, ²Universidade de São Paulo
- 14:45** **Cell membrane models for the analysis of bactericide effects of peptides, chitosans and metallic complexes** **R.OR3.8***
Oswaldo Novais Oliveira Jr¹; ¹Instituto de Física de São Carlos - USP
- 15:15** **Multi-scale Modeling and Simulation of Tissue Spheroids Encaged by Microscaffolds (Lockyballs) for improving the microenvironment conditions** **R.OR3.9**
Janaína A. Dernowsek¹, Rodrigo Alvarenga Rezende¹, Pedro Yoshito Noritomi¹, Daniel Takanori Kemmoku¹, Júlia Adami Nogueira¹, Jorge Vicente Lopes da Silva¹; ¹Center for Information Technology Renato Archer

- 15:30 Wettability of Biodegradable Electrospun Scaffolds with Different Thicknesses for Tissue Engineering Application** **R.OR3.10**
Vanessa Tiemi Kimura^{1,2}, Carolina Fracalossi Redigueri^{1,3}, Maria Helena Ambrosio Zanin², Shu Hui Wang¹; ¹Universidade de São Paulo, ²Instituto de Pesquisas Tecnológicas do Estado de São Paulo, ³Agência Nacional de Vigilância Sanitária
- 15:45 Thermal Stability of Dicationic Ionic Liquids: A Deep Study Regarding ILs Properties** **R.OR3.11**
Clarissa Piccinin Frizzo¹, Carla Andressa Almeida Farias¹, Caroline Raquel Bender¹, Paulo Roberto dos Santos Salbego¹, Marcos Antonio Villetti¹, Marcos Antonio Pinto Martins¹; ¹Universidade Federal de Santa Maria

Poster presentations

SESSION R.P1 (17:45 - 19:30)

- 17:45 Deposition and functionalization of TiO₂ thin films surface** **R.P1.1**
Leonardo Francisco Gonçalves Dias¹, Erika Soares Bronze-Uhle², Luciana Daniele Trino², Paulo Noronha Lisboa-Filho²; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Universidade Estadual Paulista - Campus Bauru
- 17:45 Design and Synthesis of Hybrid Mesoporous Materials as "Smart" System for Anticancer Drug Delivery** **R.P1.2**
Heveline Dal Magro Follmann^{1,2}, Osvaldo Novais Oliveira Jr², Rafael Silva³, Tewodros Asefa¹; ¹Rutgers University, ²Instituto de Física de São Carlos, ³Universidade Estadual de Maringá
- 17:45 Formation of TiO₂ by using pulsed current anodization on polished and electropolished titanium substrates** **R.P1.3**
Heloisa Andréa Acciari^{1,2,3,4}, Victória da Costa Marba^{2,4}, Natal Nerímio Regone³, Eduardo Norberto Codaro⁴; ¹UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO", ²FEG, ³Universidade Estadual Paulista "Júlio de Mesquita Filho", ⁴Faculdade de Engenharia
- 17:45 Cell viability evaluation in contact with compositions based on calcium aluminate cement** **R.P1.4**
Ivone Regina de Oliveira¹, Renata Martins Parreira¹, Cristina Pacheco-Soares¹, Larissa M. S. de Castro², Paulo Tambasco Oliveira²; ¹Universidade do Vale do Paraíba, ²Universidade de São Paulo
- 17:45 In vitro properties of compositions based on calcium aluminate cement** **R.P1.5**
Larissa Santos Reis¹, Renata Martins Parreira¹, Newton Soares Silva¹, Ivone Regina de Oliveira¹; ¹Universidade do Vale do Paraíba
- 17:45 Study of the interaction of polygodial with membrane models of microorganisms** **R.P1.6**
Giulia Elisa Guimarães Gonçalves¹, Kaidu Hanashiro Barrosa¹, João Henrique Ghilardi Lago¹, Luciano Caseli¹; ¹Universidade Federal de São Paulo
- 17:45 VIOLACEIN INTERACTION STUDY ON MEMBRANE MODELS** **R.P1.7**
Karine Damaceno Souza¹, Giselle Justo Zenker¹, Luciano Caseli¹; ¹Universidade Federal de São Paulo

- 17:45 Raman spectroscopy to identify active flavonoids against malaria and leishmaniasis R.P1.8**
Renata Cristina de Paula¹, Adriano Luiz de Queiroz¹, Diego Mendes dos Santos¹, Karen Ferraz Faria¹, Iasmin Cunha Araujo¹, Alexandre Marletta¹, Alaide Braga de Oliveira^{2,3}, Sydnei Magno da Silva¹, Raigna Augusta da Silva Zadra Armond¹; ¹Universidade Federal de Uberlândia, ²Universidade Federal de Minas Gerais, ³Universidade Federal do Pará
- 17:45 Magnesium alloy: evaluation of biodegradability R.P1.9**
 Ronaldo Veronês do Nascimento¹, Angela Beatriz Coelho Arnt¹, Marcio Roberto da Rocha², Steferson Luiz Stares¹, Jamile Thön Langbehn¹, Fábio Antonio Xavier², Hector Amaro Virginia¹; ¹Universidade do Extremo Sul Catarinense, ²Universidade Federal de Santa Catarina
- 17:45 Alloy evaluation Ti-35Nb-7Zr and its basic elements of osteoblastic activity: in vitro study R.P1.10**
Daphne de Camargo Reis Mello¹, Fabia Zampieri D'Antola de Mello², Bento Ferreira², Luana Marotta de Vasconcellos¹, Sandra Giacomini Schneider²; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Escola de Engenharia de Lorena/USP
- 17:45 Ti alloys may induce modulatory cytokines profiles on macrophages RAW 264.7. R.P1.11**
 Lais Siebra de Brito Ramos¹, Felipe Oliveira¹, Daphne de Camargo Reis Mello¹, Carlos Alberto Alves Cairo², Luis Gustavo Oliveira de Vasconcellos¹, Luciane Dias Oliveira¹, Luana Marotta de Vasconcellos¹; ¹Universidade Estadual Paulista Júlio de Mesquita Filho, ²Ciência e Tecnologia Espacial
- 17:45 Flutamide Nanocrystals as an Alternative for Prostate Cancer Treatment R.P1.12**
Letícia Paifer Marques¹, Francisco Benedito Teixeira Pessine¹; ¹Universidade Estadual de Campinas
- 17:45 Magnetic nanoparticles surface modified with thermoresponsive P(NIPAAm-co-DMAAm) copolymers for methotrexate delivery. R.P1.13**
Anna Carolina Telatin Tognolo¹, Jaime Ricardo Vega Chacon¹, Juliana Cristina Freitas², Maria Gabriela Nogueira Campos², Miguel Jafelicci Júnior¹, Rodrigo Fernando Costa Marques¹; ¹Instituto de Química de Araraquara/UNESP, ²Universidade Federal de Alfenas
- 17:45 Characterization of carboxymethyl chitosan hydrogel prepared in [DBU][Ac] and their potential application for the removal of lead ions from water R.P1.14**
Kessily Barbosa Rufato¹, Cátia Santos Nunes¹, Gabriela Maria Matos Demiti¹, Diego Alberto dos Santos Yamazaki¹, Gisele de Freitas Gauze Bandoch¹, Pedro Vinicius de Assis Bueno², Edvani Curti Muniz^{1,3,4}; ¹Universidade Estadual de Maringá, ²Instituto de Química - USP, ³Universidade Paranaense, ⁴Universidade Tecnológica Federal do Paraná
- 17:45 Mesoporous silica modified with Flufenamic acid for non-targeted cells protection prior radiation therapy R.P1.15**
Giovanna Lara¹, Alexandre Alberto Chaves Cotta¹, Waldemar Augusto de Almeida Macedo¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear

- 17:45 Production of FA/HA(⁶⁴Cu-³²P) nanorods as theranostics nanoagents for osteosarcoma** **R.P1.16**
Marcelo Fernandes Cipreste¹, Michele Rocha Rezende¹, Alexandre Alberto Chaves Cotta¹, Alexandre Soares Leal¹, Waldemar Augusto de Almeida Macedo¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Synthesis and characterization of Cu-doped hydroxyapatite nanorods for cancer diagnosis** **R.P1.17**
Michele Rocha Rezende¹, Marcelo Fernandes Cipreste¹, Fermin Herrera Aragón¹, Alexandre Soares Leal¹, Waldemar Augusto de Almeida Macedo¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Nanocomposites of boron nitride nanotubes and copper nanoparticles for diagnostics and cancer therapy** **R.P1.18**
Diego Santos Oliveira¹, Tiago Hilário Ferreira¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Improvement of bone healing process by association of a carbon biomaterial to lasertherapy** **R.P1.19**
Gisele Amaral-Labat¹, Guilherme Frederico Bernardo Lenz e Silva¹, Patrícia Almeida², Rodney Capp Pallotta², Jossano Saldanha Marcuzzo³, Romildo Torres da Silva², Rachel Bharbara Maccheronio Dalmaso², Rodrigo Labat Marcos²; ¹Universidade de São Paulo, ²Universidade Nove de Julho, ³Instituto Nacional de Pesquisas Espaciais
- 17:45 Nanofibers with magnetic hydroxyapatite nanoparticles as dual treatment for cancer** **R.P1.20**
Ana Paula Figueiredo Monteiro¹, Rubén Dario Sinisterra¹, María Esperanza Cortés²; ¹Universidade Federal de Minas Gerais, ²Universidade Federal De Minas Gerais
- 17:45 Biocompatibility evaluation of the Ti-35Nb-7Zr compared to Ti-Cp.** **R.P1.21**
Fabia Zampieri D'Antola de Mello¹, Daphne de Camargo Reis Mello², Beatriz Zuleika de Macedo¹, Luana Marotta Vasconcellos², Sandra Giacomini Schneider¹; ¹Escola de Engenharia de Lorena/USP, ²Universidade Júlio de Mesquita Filho
- 17:45 Coating nanostructured lipid carriers with hyaluronic acid for modified release of local anesthetic: Preparation and characterization** **R.P1.22**
Renato Grillo¹, Leonardo Fernandes Fraceto², Eneida de Paula³, Daniele Ribeiro de Araujo¹; ¹Universidade Federal do ABC, ²UNESP - Campus Sorocaba, ³Universidade Estadual de Campinas
- 17:45 Evaluation of cytotoxicity and genotoxicity of polyetheramines and polyethylenimine in CHO-K1 cells.** **R.P1.23**
Eduardo F Molina¹, Leniher Castan¹, Cristiano José da Silva¹, Raquel Alves Santos¹; ¹Universidade de Franca
- 17:45 Medical device based-polymer conjugated in natural rubber matrix to application in neonatal phototherapy** **R.P1.24**
Nathália Oliveira Braga¹, Dalita G. S. M. Cavalcante¹, Andressa Silva Gomes¹, Rodrigo Fernando Bianchi², Aldo Eloizo Job¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Universidade Federal de Ouro Preto

- 17:45 3D structuring of PEEK by means of Additive Manufacturing SLS process R.P1.26**
 Cristiane Agra Pimentel¹, Rodrigo Alvarenga Rezende^{1,2}, Marcelo Fernandes Oliveira², Paulo Inforcatti Neto², Flavia Suzany Ferreira dos Santos¹, Mayelli Dantas de Sá¹, Valéria Pereira Ferreira¹, Jorge Vicente Lopes da Silva², Marcus Vinicius de Lia Fook¹; ¹Universidade Federal de Campina Grande, ²Centro de Tecnologia da Informação Renato Archer
- 17:45 A biomimetic urethanesil multifunctional adhesive for medical and dental implants R.P1.27**
Taína Zampieri Fermino¹, Ubirajara Pereira Rodrigues Filho², Klaus Rischka³; ¹Escola de Engenharia de São Carlos/USP, ²Instituto de Química de São Carlos, ³Fraunhofer Institute for Manufacturing Technology and Advanced Materials
- 17:45 Characterization of lyophilized bentonitic clays for cosmetics application R.P1.28**
Jamile Thön Langbehn¹, Maciele Cristina Pegoretti Machado¹, Camila Machado de Oliveira², Tiago Elias Allievi Frizon¹, Michael Peterson¹; ¹Universidade do Extremo Sul Catarinense, ²Universidade Federal de Santa Catarina
- 17:45 Optimization of oxide materials synthesis employing microwave radiation as heating source and the application of these materials as hemostatic coagulation agents. R.P1.29**
 Gabriel Zazeri¹, Ana Paula Ribeiro Povinelli¹, Juliana Bergamasco¹, Vinicius Litrenta Medeiros¹, Alex Silva Paula¹, José Geraldo Nery¹; ¹UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto
- 17:45 Optimized Rhodamine B labeled mesoporous silica nanoparticles as fluorescent scaffolds for the immobilization of photosensitizers: a theranostic platform for optical imaging and photodynamic therapy R.P1.30**
Bianca Martins Estevão^{1,2,3}, Ivana Miletto³, Noboru Hioka¹, Leonardo Marchese³, Enrica Gianotti³; ¹Universidade Estadual de Maringá, ²Instituto de Física de São Carlos - Universidade de São Paulo, ³Università del Piemonte Orientale
- 17:45 Bio-corrosion of orthodontics appliances: The case of short face patients R.P1.31**
Rene Pfeifer¹, Marcelo Huguenin Maia da Costa², Leonardo Drumond da Silva³, Priscila Tamiasso Martinhon¹, Célia Regina Sousa da Silva¹, Marco Antônio Chaer Nascimento¹; ¹Instituto de Química / UFRJ, ²Pontifícia Universidade Católica do Rio de Janeiro, ³Universidade do Grande Rio Professor José de Souza Herdy
- 17:45 Hybrid BNNT/NiFe₂O₄ as an innovative system for magnetohyperthermia R.P1.32**
Thaylice Cristina Sampaio Cabral¹, Patrícia Mariana Alves Caetano¹, Adriana Silva de Albuquerque¹, José Domingos Ardisson¹, Edésia Martins Barros de Sousa¹, Tiago Hilário Ferreira¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Addition of chlorhexidine microparticles improves resin dental sealants properties R.P1.33**
Monica Yamauti¹, Jacqueline Santiago Nojosa², Juliano Sartori Mendonça², Carolina Alexandrino Alencar², Rinaldo dos Santos Araújo³, Amanda P. M. P. Alcantara³, Lidiany Karla Rodrigues², Jacqueline Santiago Nojosa⁴; ¹Universidade Federal de Minas Gerais, ²Universidade Federal do Ceará, ³Instituto Federal de Educação, Ciência e Tecnologia do Ceará, ⁴Universidade Federal do Amapá
- 17:45 Hesperidin nanocrystals: a natural support for reconstruction and maintenance of healthy capillaries in the skin under the eyes R.P1.34**
Danijela Stanisic¹, Ljubica Tasic¹, Leticia Liu¹; ¹Institute of Chemistry-UNICAMP

- 17:45 Highly efficient treatment of breast cancer based on photodynamic effects of nanophotosensitizer R.P1.35**
Leonardo Barcelos de Paula¹, Maryanne Trafani de Melo¹, Antonio Claudio Tedesco¹; ¹Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - USP
- 17:45 Crystal structure dependence of titania microspheres upon bioactivity R.P1.36**
Camila Bussola Tovani¹, Osvaldo Antonio Serra², Ana Paula Ramos²;
¹Universidade de São Paulo, ²Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - USP
- 17:45 Folic acid-ferrocene materials for application in targeted chemotherapy. R.P1.37**
Diego Luan Bertuzzi¹, Tiago Branco Becher¹, Catia C. C. Ornelas Megiatto¹;
¹Institute of Chemistry-UNICAMP
- 17:45 Carbon Nanohybrid to Application in Biosensors Platform R.P1.38**
Priscila Dias Mendonça¹, Elaine Cavalcanti Rodrigues Vaz¹, Reiga Ramalho Ribeiro¹, Rosa Fireman Dutra¹; ¹Universidade Federal de Pernambuco
- 17:45 Fibrin fiber interfaces for proliferation of mesenchymal stem cells R.P1.39**
Amanda Gomes Marcelino Perez¹, Ana Amélia Rodrigues², Andréa Arruda Martins Shimojo¹, Bruna Alice Gomes de Melo¹, Willian Dias Belangero², Maria Helena Andrade Santana¹; ¹School of Chemical Engineering, University of Campinas, ²Faculty of Medical Sciences, University of Campinas
- 17:45 Distribution of gold nanoparticles on biomimetic membranes R.P1.40**
Nivia Salles Santos, Antonio C. C. Migliano, Dayane Batista Tada
- 17:45 Comparative study of bone tissue accelerated regeneration by latex membranes from Hevea brasiliensis and Hancornia speciosa R.P1.41**
Juliana Ferreira Floriano¹, Fausto Capuano Neto², Carlos F. O. Graeff¹;
¹Faculdade de Ciências/Bauru, ²Universidade Júlio de Mesquita Filho
- 17:45 Poly(vinylidene-trifluoroethylene)/barium titanate composite scaffolds for healing of bone defects of rabbit tibiae. R.P1.42**
Rossano Gimenes¹, Luziane Rosa Simões¹, Melina Espanhol Silva¹;
¹Universidade Federal de Itajubá
- 17:45 A new setup for the electrospinning of meniscus-like polymeric scaffolds for applications in regenerative medicine R.P1.43**
Thiago Domingues Stocco¹, Bruno Vinícius Manzolli Rodrigues¹, Fernanda Roberta Marciano¹, Anderson Oliveira Lobo¹; ¹Laboratory of Biomedical Nanotechnology, Institute of Research and Development, University of Vale do Paraiba, Sao Jose dos Campos, SP, Brazil
- 17:45 Cancer cell membrane-coated gold nanorods: multifunctional systems for cancer therapy R.P1.44**
Valeria Spolon Marangoni¹, Juliana Cancino Bernardi¹, Valtencir Zucolotto¹;
¹University of Sao Paulo
- 17:45 Papain immobilization by covalent bond with hybrid support containing zinc oxide nanoparticles and chitosan R.P1.45**
Thayllan Teixeira Bezerra¹, Aurileide Maria Bispo Frazão Soares¹, Lízia Maria Oliveira Gonçalves¹, Lia Raquel Moura Silva¹, Ruanna Dátila Silva Ferreira¹, Anderson Nogueira Mendes¹, Welter Cantanhêde¹; ¹Federal University of Piauí
- 17:45 Synthesis of NaX and NaA zeolites employing conventional and microwave heating sources and their application as hemostatic coagulation agent. R.P1.46**
Ana Paula Ribeiro Povinelli¹, Gabriel Zazeri¹, Juliana Bergamasco¹, José Geraldo Nery¹; ¹UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto

- 17:45 Ellagic acid modified by magnesium oxide nanoparticles: characterization and antileishmania activity towards Leishmania amazonensis promastigotes** **R.P1.47**
Wallonilson Veras Rodrigues¹, Lia Raquel Moura Silva¹, Thayllan Teixeira Bezerra¹, Michel Muálem de Moraes Alves¹, Fernando Aécio de Amorim Carvalho¹, Mariana Helena Chaves¹, Welter Cantanhêde¹; ¹Federal University of Piauí
- 17:45 PLA nanoparticles containing dapson: a novel controlled release formulation for the treatment of Hansen's disease** **R.P1.48**
Vananélia Pereira Nunes Geraldo¹, Ieda Maria Martinez Paino¹, Valtencir Zucolotto¹, Osvaldo Novais Oliveira Jr¹; ¹Universidade de São Paulo
- 17:45 Cell response on the Ti15Zr alloy surface after TiO₂ nanotubes growth** **R.P1.49**
Reginaldo Toshihiro Konatu¹, reginaldo konatu², Reginaldo T Konatu², Carlos Roberto Grandini³, Ketul C Popat⁴, Ana Paula Rosifini Alves Claro¹; ¹UNESP Guaratinguetá, ²Pontifícia Universidade Católica do Paraná, ³Faculdade de Ciências/Bauru, ⁴Colorado State University
- 17:45 Cytocompatibility evaluation of Ti-Nb and Ti-Nb-Cu alloys produced by laser on Ticp surfaces.** **R.P1.50**
Lisiane Rocha Azevedo de Carvalho¹, Adriana da Silva Santos Duarte¹, Sara Teresinha Olalla Saad¹, Ângela Cristina Malheiros Luzo¹, João Batista Fogagnolo¹; ¹Universidade Estadual de Campinas
- 17:45 Effect of TiO₂ nanoporous size on cell viability** **R.P1.51**
Elisa Marchezini Rodrigues¹, Ana Paula dos Reis Weitzel¹, Camila Jaques Rosário¹, Larissa Mara Batista Duarte¹, Maximiliano Delany Martins¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Synthesis of nanozeolites using microwave radiation as source of heat and their topographic analyses by Atomic Force Microscopy**
 Vinicius Litrenta Medeiros¹, Gabriel Zazeri¹, Ana Paula Ribeiro Povinelli¹, Juliana Bergamasco¹, José Geraldo Nery¹; ¹UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION R.OR4 (09:45 - 10:45) - Room Carvalho II

- 09:45 Enriched biological matrices for tissue engineering applications** **R.OR4.12***
Francesca Boccafoschi¹, Luca Fusaro¹, Martina Ramella¹, Mario Cannas²;
¹University of Piemonte Orientale, ²Università del Piemonte Orientale
- 10:15 Poly(acrylic acid)/pluronic F127 double network hydrogels for tunable nitric oxide delivery** **R.OR4.13**
Mathilde Champeau¹, Lucas Militão¹, Marcelo Ganzarolli de Oliveira¹;
¹Institute of Chemistry-UNICAMP

- 10:30 Effect of alignment on PCL/gelatin electrospun nanofibers** **R.OR4.14**
Felipe Castro Menezes¹, Rosane Michele Duarte Soares¹; ¹Universidade Federal do Rio Grande do Sul

SESSION R.OR5 (11:15 - 12:00) - Room Carvalho II

- 11:15 Evaluation of mechanical properties of colored dental zirconia after accelerated aging** **R.OR5.15**
Madalena Pinheiro Dias Engler¹, Caroline Freitas Rafael¹, Bruno Alexandre Henriques¹, Marcio Celso Fredel¹, Cláudia Angela Maziero Volpato¹; ¹Universidade Federal de Santa Catarina
- 11:30 Influence of the Ultraviolet-Light Irradiation on Antifungal Properties of α -Ag₂WO₄ Crystals** **R.OR5.16**
Murilo Pires de Lima¹, Isabela Rosado Belê¹, Mateus Vinicius de Paiva¹, Rodrigo Furquim Ghiraldi¹, Juliana Feijó de Souza Daniel¹, Walmir Eno Pöttker¹, Elson Longo², Felipe Almeida La Porta¹; ¹Universidade Tecnológica Federal do Paraná, ²Instituto de Química de Araraquara/UNESP
- 11:45 Construction and characterization of non-enzymatic glucose sensor from recycling of Co, Cu and Mn from spent batteries.** **R.OR5.17**
Livia Serra Selvatici¹, Luiza Botan Favaleza¹, Eduardo dos Santos Loureiro¹, Pedro Vitor Morbach Dixini¹, Marcos Benedito Jose de Freitas¹, Vinicius Guilherme Celante¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo

SESSION R.OR6 (14:00 - 16:15) - Room Carvalho II

- 14:00 Innovative biomaterials for drug delivery applications based on dendrimers, polymer nanoparticles and hydrogels** **R.OR6.18***
Catia C. C. Ornelas Megiatto¹, Tiago Branco Becher¹, Diego Luan Bertuzzi¹, Miguel Ramos Jr.¹; ¹Institute of Chemistry-UNICAMP
- 14:30 Evaluation of Phase Separation Mechanism in Blends of Fibroin and Alginate** **R.OR6.19**
Laise Maia Lopes¹, Mariana Agostini de Moraes^{1,2}, Marisa Masumi Beppu¹; ¹University of Campinas, ²Federal University of São Paulo
- 14:45 Tensile Testing of PCL/Gelatin Electrospun Scaffolds with Different Thicknesses** **R.OR6.20**
Vanessa Tiemi Kimura^{1,2}, Carolina Fracalossi Redigueri^{1,3}, Maria Helena Ambrosio Zanin², Shu Hui Wang¹; ¹Universidade de São Paulo, ²Instituto de Pesquisas Tecnológicas do Estado de São Paulo, ³Agência Nacional de Vigilância Sanitária
- 15:00 Tracking SPS diffusion in a chitosan/carboxymethyl cellulose (Chi/CMC) LbL coating** **R.OR6.21**
Thiago Bezerra Taketa¹, Danilo Martins dos Santos², Anderson Fiamingo², Marisa Masumi Beppu¹, Sérgio Paulo Campana Filho², Robert E Cohen³, Michael F Rubner³; ¹University of Campinas, ²University of Sao Paulo, ³Massachusetts Institute of Technology
- 15:15 Immobilization of silver nanoparticles on non-modified cellulose films using room-temperature ionic liquid** **R.OR6.22**
Arthur Matsudo Garcia¹, Ana M. A. Lieberatore¹, Ivan H. J. Koh¹, Fernanda Ferraz Camilo¹; ¹Universidade Federal de São Paulo

- 15:30 ON SPIN HAMILTONIAN FITS TO MÖSSBAUER SPECTRA OF CoFe₂O₄ MAGNETIC FLUID FUNCTIONALIZED WITH MAURITIA FLEXUOSA OIL** **R.OR6.23**
Jose Higino Dias Filho¹, Jorge Luis Lopez Aguilar², Roberto Magalhães Paniago³, Renato Dourado Maia¹, Wesley de Oliveira Barobosa¹; ¹Universidade Estadual de Montes Claros, ²Universidade Federal do Acre, ³Universidade Federal de Minas Gerais

Poster presentations

SESSION R.P2 (17:45 - 19:30)

- 17:45 Ketoconazole nanoemulsion for topical delivery: Development and in vitro release** **R.P2.52**
Vania Emerich Bucco de Campos¹, Vivian Saez Martínez¹, Cristal Cerqueira-Coutinho¹, Igor Tenório Soares¹, Claudia Regina Elias Mansur¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Synthesis and characterization of starch, cellulose and chondroitin sulfate membranes and studies of controlled release** **R.P2.53**
Bárbara Fornaciari¹, Gizilene Maria de Carvalho¹, Paula Cristina Faria-Tischer¹; ¹Universidade Estadual de Londrina
- 17:45 Biobased Hydrogels** **R.P2.54**
Rafael Natal L de Menezes¹, Giovanni Bortoloni Perin¹, Guilherme Lopes do Lago¹, Ricardo Santiago de Oliveira Gouvea¹, Maria Isabel Felisberti¹; ¹Universidade Estadual de Campinas
- 17:45 Influence of the Reuse of the Electrolytic Solution on the Properties of Hydroxyapatite Coatings Produced by Plasma Electrolytic Oxidation of Grade 4 Titanium** **R.P2.55**
César A Antonio^{1,2}, Elidiane Cipriano Rangel¹, Nilson Cristino Cruz¹; ¹UNESP - Campus Sorocaba, ²FATEC - SO. Faculdade de Tecnologia de Sorocaba
- 17:45 Growth and surface characterization of TiNb nanostructured thin films** **R.P2.56**
Denise A. Tallarico¹, Nilson T. C. Oliveira², Angelo Luiz Gobbi³, Pedro I. Paulin Filho², Pedro A. P. Nascente²; ¹Universidade Federal de São Carlos - campus Sorocaba, ²Universidade Federal de São Carlos - Campus: São Carlos, ³Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 RETICULATED VITREOUS CARBON DOPED WITH NANO SILVER METALLIC PARTICLES FOR ANTIMICROBIAL INHIBITORY APPLICATION** **R.P2.57**
Ana Paula Silva Oliveira¹, Silvia Oishi¹, Cristiane Yoga Ito², Jossano Saldanha Marcuzzo¹, Emerson Sarmento Gonçalves³, Mauricio Ribeiro Baldan¹; ¹Instituto Nacional de Pesquisas Espaciais, ²Universidade Estadual Paulista "Júlio de Mesquita Filho", ³Divisão de Materiais
- 17:45 Silver nanoparticles in recoating for biomaterials** **R.P2.58**
Neide Aparecida Mariano¹, Virgílio Pereira Ricci¹, Guilherme Vilela Ferreira¹, Luci Cristina de Oliveira Vercik², Eliana Cristina da Silva Rigo², Maria Gabriela Nogueira Campos², Mérilin Cristina dos Santos Fernandes¹, Lucíola Lucena de Sousa¹; ¹Universidade Federal de Alfenas, ²Universidade de São Paulo

- 17:45 Thermal-pH magnetic Pectin derivative microgels for controlled release of curcumin** **R.P2.59**
Elizangela Messias Almeida¹, Maroanne Farinácio Dos Santos¹, Alessandro Francisco Martins², Ismael Casagrande Bellettini³, Edvani Curti Muniz^{1,4,2};
¹Universidade Estadual de Maringá, ²Universidade Tecnológica Federal do Paraná, ³Universidade Federal de Santa Catarina, ⁴Universidade Paranaense
- 17:45 Nano suspensions: a modern strategy for delivery of modified drugs for intravenous use (Warfarin and Atorvastatin)** **R.P2.60**
Francieli Crivellaro¹, Francisco Benedito Teixeira Pessine¹; ¹Universidade Estadual de Campinas
- 17:45 Comparison of two MCM-41 silica particles for the controlled release of semiochemicals** **R.P2.61**
Magali Aparecida Rodrigues¹, Márcia Aparecida da Silva², Márcio Wandré Morais de Oliveira³, Luciano Paulino Silva³, Iolanda Midea Cuccovia², Marcia Carvalho de Abreu Fantini⁴, Maria Carolina Blassioli Moraes³, Marcelo Porto Bemquerer³; ¹Centro Universitário Planalto do Distrito Federal, ²Instituto de Química - USP, ³Empresa Brasileira de Pesquisa Agropecuária, ⁴Instituto de Física-USP
- 17:45 Multifunctional Mesoporous Silica Nanoparticles (MCM-41) for Targeted Drug Delivery** **R.P2.62**
Laura de Melo Corgosinho¹, Edésia Martins Barros de Sousa¹, Luiza Baptista de Oliveira Freitas¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Thermo- and pH-responsive polyelectrolyte complex from quaternized poly[(2-dimethylamino)ethyl methacrylate] and pectin for colon-specific delivery of curcumin** **R.P2.63**
Maroanne Farinácio Dos Santos¹, Elizangela Messias Almeida¹, Edvani Curti Muniz^{1,2,3}; ¹Universidade Estadual de Maringá, ²Universidade Paranaense, ³Universidade Tecnológica Federal do Paraná
- 17:45 The in vitro evaluation of natural rubber with silver nanoparticles films** **R.P2.64**
Caroline Silva Danna^{1,2}, Dalita G. S. M. Cavalcante², Andressa Silva Gomes², Leandra Ernst Kerche-Silva^{3,2}, Eidi Yoshihara⁴, Igor Osorio Roman², Ricardo Flávio Aroca⁵, Aldo Eloizo Job²; ¹Faculdade de Presidente Prudente, ²FCT-UNESP Campus de Presidente Prudente, ³Universidade do Oeste Paulista, ⁴Agência Paulista de Tecnologia de Agronegócios-Polo Regional Alta Sorocabana, ⁵University of Windsor
- 17:45 Functionalization of Gold Nanoparticles with bioactive peptide** **R.P2.65**
Alexandre Martins Santos¹, Dayane Batista Tada¹, Daniela Formaggio¹, Denise Arruda², Luiz Travassos³; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade de Mogi das Cruzes, ³Universidade de São Paulo
- 17:45 Influence of synthesis parameters of HA-Gd nanorods on the structural and morphological characteristics of the nanoparticles** **R.P2.66**
Alan de Melo Antunes¹, Marcelo Fernandes Cipreste¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Production study of chitosan microspheres for potential application as controlled drug delivery systems in medical textiles.** **R.P2.67**
Caroline Santos Alves de Lima¹, Sirlene Maria da Costa¹, Humberto Gomes Ferraz¹, Rita de Cássia Lacerda Brambilla Rodrigues¹, Silgia Aparecida Costa¹;
¹Universidade de São Paulo

- 17:45 Mesoporous Silica Nanoparticles functionalized with Poly-(ϵ -Caprotactone) as a strategy for gene delivery R.P2.68**
Egídio Paulo Nhavene¹, Gracielle Ferreira Andrade¹, Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Morphological, physical and chemical evaluation of boron nitride nanotubes for boron neutron capture therapy R.P2.69**
Amanda de Jesus Clemente¹, Alexandre Soares Leal¹, Edésia Martins Barros de Sousa¹, Tiago Hilário Ferreira¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 DEVELOPMENT OF NEW DEVICE FOR MOLECULAR DIAGNOSTICS BASED ON NANOSTRUCTURED POLYANILINE FILMS DEPOSITED ON POLYESTER SUBSTRATES R.P2.70**
Graciela da Costa Pedro¹, Filipe Dione Souza Gorza¹, Romario justino da silva¹, Alicia Elizabeth Chávez Guajardo¹, Juan Carlos Medina Llamas¹, José Jarib Alcaraz Espinoza¹, Celso Pinto de Melo¹; ¹Universidade Federal de Pernambuco
- 17:45 Immobilization of Emodin in Layer-by-Layer films for drug delivery systems R.P2.71**
Paula Pereira Campos¹, Marli Leite de Moraes², Leonardo Fernandes Fraceto¹, Marystela Ferreira³; ¹Universidade Estadual Paulista - Campus Sorocaba, ²Universidade Federal de São Paulo - Campus São José dos Campos, ³Universidade Federal de São Carlos - campus Sorocaba
- 17:45 The influence of the TiO₂ nanotubes diameter on the bacteria adhesion R.P2.72**
Liliane Lelis Oliveira¹, Ana lucia do Amaral Escada¹, Cristiane Aparecida Pereira², Ana Paula Rosifini Alves Claro¹; ¹UNESP Guaratinguetá, ²UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO"
- 17:45 Nanostructuring of pva coating with metallic oxides of 3D printed scaffolds for bone tissue engineering R.P2.73**
Raquel Couto de Azevedo Gonçalves Mota^{1,2}, Lívia Rodrigues Menezes², Emerson Oliveira da Silva², Felipe Fortes Lima²; ¹Universidade Federal do Rio de Janeiro, ²Instituto de Macromoléculas
- 17:45 Oxytocin release using natural rubber latex as support R.P2.74**
Natan Roberto de Barros¹, Matheus Carlos Romeiro Miranda¹, Felipe Azevedo Borges¹, Ricardo José de Mendonça², Eduardo Maffud Cilli¹, Rondinelli Donizetti Herculan³; ¹Instituto de Química de Araraquara/UNESP, ²Universidade Federal do Triângulo Mineiro, ³Faculdade de Ciências Farmacêuticas de Araraquara
- 17:45 New drug delivery system for oxytetracycline based on nanofibers of biodegradable polymers R.P2.75**
Flávia Gontijo da Silva¹, Alinne Damasia Martins Gomes¹, Rubén Dario Sinisterra¹, María Esperanza Cortés¹; ¹Universidade Federal de Minas Gerais
- 17:45 Mucoadherent PVA/HPMC hydrogel for topical nitric oxide release R.P2.76**
Vicente Gomes Oliveira¹, Marcelo Ganzarolli de Oliveira¹; ¹Instituto de Química - UNICAMP
- 17:45 Composition-dependent osteoblast behavior on hybrid CaCO₃/SrCO₃ coatings deposited on Ti surfaces R.P2.77**
Marcos Antonio Eufrásio Cruz¹, Amanda Natalina de Faria¹, Pietro Ciancaglini¹, Ana Paula Ramos¹; ¹Universidade de São Paulo
- 17:45 Biofilm formed from organic-inorganic hybrid tri-ureasil PPO for transdermal drug delivery system. R.P2.78**
Eduardo F Molina¹, Natana Aparecida Jesus¹, Pollyana Francielli Oliveira¹, Ricardo A Furtado¹, Denise Crispim Tavares¹; ¹Universidade de Franca

- 17:45 Selective Laser Sintering of poly(vinyl alcohol) for the fabrication of scaffolds for *in vitro* studies** **R.P2.79**
Camila Fernandes Higa¹, Michelle Sostag Meruvia¹, Fred Lacerda Amorim¹, Marcelo Fernandes Oliveira², Paulo Inforcatti Neto², Jorge Vicente Lopes da Silva²; ¹Pontifícia Universidade Católica do Paraná, ²Centro de Tecnologia da Informação Renato Archer
- 17:45 Antimicrobial application of PAN (polyacrylonitrile) derived activated carbon fibers fabric** **R.P2.80**
 Gabriela de Moraes Gouvêa Lima, Gabriela dos Santos Simões, Isabela Maria Martins, Aline Chiodi Borges¹, Jossano Saldanha Marcuzzo, Mauricio Ribeiro Baldan, Cristiane Yumi Koga-Ito; ¹ICT-Unesp de São José dos Campos
- 17:45 Development of parenteral nanoemulsion formulation of cyclosporine A** **R.P2.81**
Daniela Kubota¹, Francisco Benedito Teixeira Pessine¹; ¹Instituto de Química - UNICAMP
- 17:45 CHEMICAL MODIFICATION AND IONIZING IRRADIATION OF POLY (BUTYLENE SUCCINATE) (PBS) USEFUL FOR CONTROLLED RELEASE OF SILYBIN** **R.P2.82**
Letícia Pedretti Ferreira¹, Fabio Cerdeira Lírio¹, Marcio Nele de Souza¹, José Carlos Pinto¹, Fernando Gomes de Souza Junior¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Microfluidic platforms for complexation of cationic liposome and small interfering RNA for application in gene therapy** **R.P2.83**
 Ismail Es¹, Meryem Tyrrasch Ok², Marianna Teixeira de Pinho Favaro¹, Marcelo Szymanski¹, Adriano Rodrigues Azzoni³, Lucimara de La Torre¹, Thays França Naves⁴; ¹University of Campinas, ²Massachusetts Institute of Technology, ³São Paulo University, ⁴Faculdade de Engenharia Química - UNICAMP
- 17:45 Effect of titanium with nanotopography on osteoblast differentiation and integrin expression in mesenchymal stem cells and calvarial cells** **R.P2.84**
Pedro Flório¹, Helena Bacha Lopes¹, Paulo Tambasco Oliveira¹, Adalberto Luiz Rosa¹, Marcio Mateus Beloti¹; ¹School of Dentistry of Ribeirão Preto, University of São Paulo
- 17:45 Functionalized titanium dioxide films prepared by sputtering for biomedical application** **R.P2.85**
Orisson Ponce Gomes¹, Erika Soares Bronze-Uhle², José Humberto Dias da Silva¹, Nilton Francelosi Azevedo Neto², Paulo Noronha Lisboa-Filho¹; ¹Faculdade de Ciências/Bauru, ²Programa de Pós-Graduação em Ciência e Tecnologia de Materiais
- 17:45 Non-covalent functionalization of carbon nanotubes with antitumoral aptamer: a preliminary physicochemical investigation** **R.P2.86**
Mariana Botelho Barbosa¹, Estefânia Mara do Nascimento Martins¹, Thayana Furtado Teixeira¹, Estér Figueiredo Oliveira¹, Adelina Pinheiro Santos¹, Antero Silva Ribeiro Andrade¹, Clascídia A. Furtado¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear
- 17:45 Ca/P rich nanostructured titania surface coating produced by anodic oxidation of titanium** **R.P2.87**
Ana Paula dos Reis Weitzel¹, Elisa Marchezini Rodrigues¹, Camila Jaques Rosário¹, Larissa Mara Batista Duarte¹, Maximiliano Delany Martins¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear

- 17:45 PRELIMINARY ANALYSIS OF CORROSION RESISTANCE OF NEWLY DEVELOPED BETA TITANIUM ALLOYS** **R.P2.88**
Júlia Frasnelli Matias Fernandes¹, Nilson T. C. Oliveira², Leonardo Contri Campanelli¹, Claudemiro Bolfarini¹; ¹Universidade Federal de São Carlos, ²Escola de Engenharia de São Carlos/USP
- 17:45 Mesoporous silica nanoparticles as vectors for gene therapy** **R.P2.89**
Laura Cipriano Crapina¹, Marcos Bizeto¹; ¹Universidade Federal de São Paulo
- 17:45 Synthesis silver nanoparticles and antimicrobial activities** **R.P2.90**
Lidiane Gonçalves Gonçalves¹, Luiz Fernando Gorup¹, Renan Aparecido Fernandes², José Antônio Santos Souza², Francisco Nunes de Souza Neto¹, Andressa Mayumi Kubo¹, Débora Barros Barbosa², Elson Longo¹, Emerson Rodrigues Camargo¹; ¹Universidade Federal de São Carlos, ²Universidade Estadual Paulista
- 17:45 Corrosion resistance of Diamond-Like Carbon Films** **R.P2.91**
Mário Almeida Araújo¹, Taise Matte Manhabosco¹, Jaqueline dos Santos Soares¹, Ronaldo Junio Campos Batista¹; ¹Universidade Federal de Ouro Preto
- 17:45 Microfluidic Production of Chitosan Nanoparticles for Drug and Gene delivery** **R.P2.92**
Amanda da Costa e Silva de Noronha Pessoa¹, Caroline Casagrande Sipoli¹, Lucimara Gaziola de la Torre¹; ¹Faculdade de Engenharia Química - UNICAMP
- 17:45 Hydrothermal Synthesis of hydroxyapatite nanoparticles decorated with silver nanoparticles for application in biomaterials** **R.P2.93**
Jordanna Fernandes Assis¹, F. H. Cristovan², Dayane Batista Tada², Tatiane Moraes Arantes¹; ¹Universidade Federal de Goiás, ²Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Characterization of the Ti10Mo8Nb alloy surface after TiO₂ nanotubes growth** **R.P2.94**
João Pedro Aquiles Carobolante¹, Roberto Zenhei Nakazato¹, Ana Paula Rosifini Alves Claro¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Antimicrobial effects of zinc oxide nanoparticles modified with silver** **R.P2.95**
Rayssa de Souza Lopes¹, Tatiane Moraes Arantes¹; ¹Universidade Federal de Goiás
- 17:45 Chlorhexidine coating on TiO₂ nanotubes** **R.P2.96**
Patricia Capellato¹, Cecilia A. C. Zavaglia¹, Ana Paula Rosifini Alves Claro²; ¹Universidade Estadual de Campinas, ²UNESP Guaratinguetá
- 17:45 Novel cobalt releasing sol-gel derived bioactive glass for bone tissue engineering** **R.P2.97**
Ana Celeste Ximenes Oliveira¹, Breno Rocha Barrioni¹, Maria de Fátima Leite¹, Marivalda Magalhães Pereira¹; ¹Universidade Federal de Minas Gerais
- 17:45 Calcium phosphate coated on Natural rubber latex for biological application** **R.P2.98**
Rondinelli Donizetti Herculano¹, Antonio Carlos Gustaldi², Felipe Azevedo Borges², Márcio Luiz dos Santos², Edson Almeida Filho², Matheus Carlos Romeiro Miranda²; ¹Faculdade de Ciências Farmacêuticas de Araraquara/UNESP, ²Instituto de Química de Araraquara/UNESP
- 17:45 Development of an in vitro equivalent skin model to evaluate the penetration of hypericin** **R.P2.99**
Thayz Ferreira Lima Morais¹, Hui Ling Ma¹, Claudia Bernal^{1,2}, Virginia da Conceição Amaro Martins^{1,2}, Ana Maria de Guzzi Plepis^{1,2}, Janice Rodrigues Perussi^{1,2}; ¹Universidade de São Paulo, ²Instituto de Química de São Carlos

- 17:45 Study of the corrosion resistance of oxides obtained on Ti-30Ta alloy by anodization** **R.P2.100**
Lai Kuan Yu¹, Conceição Aparecida Matsumoto Dutra¹, Ana Paula Rosifini Alves Claro¹, Roberto Zenhei Nakazato¹; ¹UNESP Guaratinguetá
- 17:45 Analysis of annealing effects on osseointegration in vitro of TiO₂ coatings formed from Ti ATSM F67 e Ti ATSM F67** **R.P2.101**
Anna Paulla Simon¹, Amanda Santos de Lima¹, Mariana de Souza Sikora¹;
¹Universidade Tecnológica Federal do Paraná
- 17:45 Influence of diffusional parameters on morphology of TiO₂ coatings and in its application as biomaterial** **R.P2.102**
Anna Paulla Simon¹, Amanda Santos de Lima¹, Mariana de Souza Sikora¹;
¹Universidade Tecnológica Federal do Paraná
- 17:45 Coating Containing Mg-Doped Hydroxyapatite Produced using Plasma Electrolytic Oxidation Process** **R.P2.103**
César A Antonio^{1,2}, Elidiane Cipriano Rangel¹, Nilson Cristino Cruz¹, Manfredo Harri Tabacniks³, Adriana Oliveira Delgado-Silva⁴; ¹UNESP - Campus Sorocaba, ²Faculdade de Tecnologia de Sorocaba, ³Universidade de São Paulo, ⁴Universidade Federal de São Carlos - Campus Sorocaba
- 17:45 Exposure Fungicide Cerconil WP®: effects on the chemical structure latex of rubber tree EXPOSURE FUNGICIDE CERCONIL WP®: EFFECTS ON THE CHEMICAL STRUCTURE OF RUBBER TREE** **R.P2.104**
Jaqueline Nascimento Silva¹, Carlos José Leopoldo Constantino², Ana Paula Alves Favareto¹, Patricia Alexandra Antunes¹; ¹Universidade do Oeste Paulista, ²Universidade Estadual Paulista - Campus de Presidente Prudente
- 17:45 Heat treatment of the Ti₂₅Ta₂₅Nb₃Sn experimental alloy after rotatory swaging for biomedical applications** **R.P2.105**
Celso Bortolini Júnior¹, Reginaldo Toshihiro Konatu¹, Victor Massaru Onoda¹, Angelo Caporalli Filho¹, Ana Paula Rosifini Alves Claro¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Influence of fluoride concentration in the osseointegration capacity of TiO₂ films grown from Ti ATSM F67 and Ti ATSM F67 by anodization** **R.P2.106**
Mariana de Souza Sikora¹, Anna Paulla Simon¹, Amanda Santos de Lima¹;
¹Universidade Tecnológica Federal do Paraná
- 17:45 Nanofiber polycaprolactone / hydroxyapatite for bone tissue engineering synthesized via rotary jet spinning** **R.P2.107**
TELMO MACEDO ANDRADE¹, Telmo Macedo de Andrade¹, Luana Marotta Reis de Vasconcellos², Daphne de Camargo Reis Mello², Lívia Aparecida Procópio², Samira Esteves Afonso Camargo², Anderson Oliveira Lobo¹, Fernanda Roberta Marciano¹; ¹Universidade do Vale do Paraíba, ²ICT-Unesp de São José dos Campos
- 17:45 Production and characterization of poly(lactic acid)/carboapatite nanostructured and printing of potentially bioactive 3D scaffolds** **R.P2.108**
Thiago Nunes Palhares¹, Lívia Rodrigues Menezes¹, Lia Souza Coelho², Alexandre Malta Rossi³, Emerson Oliveira da Silva¹; ¹Universidade Federal do Rio de Janeiro, ²Universidade Federal Rural do Rio de Janeiro, ³Centro Brasileiro de Pesquisas Físicas
- 17:45 Electrospun Fibers of Nanocomposites based on Poly(vinyl alcohol) and Zinc Oxide Nanoparticles** **R.P2.109**
Daniel Ayarroio Seixas¹, Yasmin Montero Quispe¹, Everaldo Carlos Venancio¹, José Carlos Moreira¹; ¹Universidade Federal do ABC

- 17:45 Study the influence of plastic deformation on the corrosion resistance of Ti30Ta alloy for biomedical applications. R.P2.110**
Kerolene Barboza da Silva¹, Reginaldo T Konatu¹, Roberto Zenhei Nakazato¹, Ana Paula Rosifini Alves Claro¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Injectable hydrogels for biomedical applications R.P2.111**
Tiago Branco Becher¹, Diego Luan Bertuzzi¹, Miguel Ramos Jr.¹, Catia C. C. Ornelas Megiatto¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Antimicrobial Activity of Silver Nanoparticles Synthesized by Gamma Radiation R.P2.112**
Andressa Mayumi Kubo¹, Luiz Fernando Gorup¹, Renan Aparecido Fernandes², José Antônio Santos Souza², Francisco Nunes de Souza Neto¹, Débora Barros Barbosa², Edson Roberto Leite¹, Elson Longo¹, Emerson Rodrigues Camargo¹; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Estadual Paulista - Campus: Araçatuba
- 17:45 Controlled release of non-steroidal anti-inflammatory and anticancer drugs from hybrid materials. R.P2.113**
Beatriz Bernardes Caravieri¹, Eduardo Ferreira Molina¹; ¹Universidade de Franca
- 17:45 Hydroxyapatites coating on Ti-7.5Mo alloy after TiO₂ nanotubes growth R.P2.114**
Ana lucia do Amaral Escada¹, Roberto Zenhei Nakazato¹, Ana Paula Rosifini Alves Claro¹; ¹Universidade Estadual Paulista-Campus de Guaratinguetá
- 17:45 Colloidal stability of silica nanoparticles with different functionalized surfaces prior to biological tests R.P2.115**
Larissa Fernanda Ferreira¹, Agustin Silvio Picco¹, Mateus Borba Cardoso¹; ¹Centro Nacional de Pesquisa em Energia e Materiais
- 17:45 Microfibre of PCL and PBAT used for Controlled Release Drug R.P2.116**
Janice Caroline Hardt¹, Andressa Giombelli Rosenberger¹, Josiane Caetano¹, Douglas Cardoso Dragunski¹; ¹Universidade Estadual do Oeste do Paraná
- 17:45 EFFECT OF IRRADIATION- γ IN MICROSPHERES OF POLY (BUTYLENE SUCCINATE) AND EVALUATION OF THE MICROBIAL LOAD AFTER STERILIZATION. R.P2.117**
Renata Cerruti da Costa¹, Letícia Pedretti Ferreira¹, Fernando Gomes de Souza Junior¹, Priscilla Braga Bedor²; ¹Instituto de Macromoléculas Eloisa Mano/ Universidade Federal do Rio de Janeiro, ²Departamento de Engenharia Química, Escola de Química, Universidade Federal do Rio de Janeiro
- 17:45 Impedance Evaluation Aluminum Cans with Diamond-like Carbon with Embedded TiO₂ Nanoparticles R.P2.118**
Vinie Abreu Christino¹, Vladimir Jesus Trava-Aioldi², João Paulo Machado², Anderson Oliveira Lobo¹, Fernanda Roberta Marciano¹; ¹Universidade do Vale do Paraíba, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Use of microfibers Ecovio® for controlled release of ibuprofen R.P2.119**
Janice Caroline Hardt¹, Jorge William Engelmann¹, Andressa Giombelli Rosenberger¹, Josiane Caetano¹, Douglas Cardoso Dragunski¹; ¹Universidade Estadual do Oeste do Paraná
- 17:45 Hybrid Scaffold of Poly (butylene succinate) and Gelatin for Cartilage Tissue Engineering R.P2.120**
Roberta Viana Ferreira¹, Danielle Marra Freitas Silva Azevedo¹, Leon Miranda Costa¹; ¹Centro Federal de Educação Tecnológica de Minas Gerais

- 17:45 Nanoporous carboxylated polystyrene electrospun membranes for protein adsorption R.P2.121**
RUBENIA SILVEIRA MONTE¹, Alicia Elizabeth Chávez Guajardo¹, Juan Carlos Medina Llamas¹, José Jarib Alcaraz Espinoza¹, Sandro Vagner de Lima², Celso Pinto de Melo¹; ¹Universidade Federal de Pernambuco, ²Universidade Federal do Ceará
- 17:45 New methodology to recovered Ti biomedical alloys using nanohydroxyapatite and carbon nanotubes for bone tissue regeneration R.P2.122**
Natália Marassi Martinelli¹, Maria Julia Galera Ribeiro¹, Ritchelli Ricci¹, João Paulo Machado², Anderson Oliveira Lobo¹, Fernanda Roberta Marciano¹; ¹Universidade do Vale do Paraíba, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Enhancement of Corrosion Resistance of Magnesium Alloy by Plasma Electrolytic Oxidation Using Bipolar and Unipolar Voltage. R.P2.123**
Thaís Matiello Gonçalves¹, Nilson Cristino Cruz², Elidiane Cipriano Rangel¹, Rafael Parra Ribeiro³, Lívia Sottovia¹, Fabio Rodrigues Orsetti¹; ¹Universidade Estadual Paulista - Campus Sorocaba, ²UNESP - Campus Sorocaba, ³Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Influence of sample preparation on the biaxial flexural strength test of a dental glass-ceramic R.P2.124**
Anelise Simões Sampaio¹, Edgar Dutra Zanotto¹, Mariana de Oliveira Carlos Villas Boas¹, Francisco Carlos Serbena², Gelson Luís Adabo³, Diogo Longhini⁴; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Estadual de Ponta Grossa, ³Faculdade de Odontologia de Araraquara/UNESP, ⁴Faculdade de Odontologia de Araraquara
- 17:45 MICROFLUIDIC DEVICE BASED ON CONVECTIVE CONCENTRATION GRADIENT FOR DETERMINATION OF BACTERIAL CELL GROWTH R.P2.125**
Franciele Flores Vit¹, Aline Furtado Oliveira¹, Marcelo Lancellotti², Lucimara Gaziola de la Torre¹; ¹Faculdade de Engenharia Química, ²Universidade Estadual de Campinas
- 17:45 Surfaces of hyaluronic acid microparticles for interaction with the fibrin network from platelet-rich plasma and proliferation of mesenchymal stem cells R.P2.126**
Andréa Arruda Martins Shimojo¹, Bruna Alice Gomes de Melo¹, Amanda Gomes Marcelino Perez¹, Ângela Luzo², Maria Helena Andrade Santana¹; ¹Faculdade de Engenharia Química-FEQ-UNICAMP, ²Centro de Hematologia e Hemoterapia - Cordão umbilical
- 17:45 DIAMOND LIKE CARBON COATING IN VENTRICULAR ASSIST DEVICE R.P2.127**
Rosa Corrêa Leoncio de Sá¹, Marco Ramirez², Evandro Drigo¹, Vladimir Jesús Trava-Airoldi², Tarcísio Leão³, Jeison Fonseca¹, Bruno Utiyama¹, Edir Leal¹, Juliana Leme¹, Aron Pazzin Andrade¹, João Roberto Moro³, Eduardo Guy Perpétuo Bock³; ¹Instituto Dante Pazzanese de Cardiologia, ²Instituto Nacional de Pesquisas Espaciais, ³Instituto Federal de Educação, Ciência e Tecnologia de São Paulo

- 17:45 Physicochemical stability of optimized Nanostructured Lipid Carriers for lidocaine-prilocaine release R.P2.128**
Lígia Nunes de Moraes Ribeiro¹, Michelle Franz-Montan², Ana Clecia Santos de Alcântara³, Viviane Aparecida Guilherme⁴, Simone Ramos de Castro⁴, Márcia Cristina Breitzkreitz⁵, Eneida de Paula⁴; ¹University of Campinas, ²Department of Physiological Science, Piracicaba Dentistry University, State University of Campinas - UNICAMP, Piracicaba - São Paulo, Brazil, ³Department of Chemistry, Federal University of Maranhão- UFMA, São Luís- Maranhão, Brazil, ⁴Department of Biochemistry and Tissue Biology, Institute of Biology, State University of Campinas - UNICAMP, Campinas - São Paulo, Brazil, ⁵Department of Analytical Chemistry, Institute of Chemistry, State University of Campinas - UNICAMP, Campinas - São Paulo, Brazil
- 17:45 Characterization of a Nanostructured Lipid Carrier for the delivery of Lidocaine and toxicity studies in Zebrafish R.P2.129**
Gustavo Henrique Rodrigues da Silva¹, Lígia Nunes de Moraes Ribeiro¹, Viviane Aparecida Guilherme², Simone Ramos de Castro², Veronica Muniz Couto², Bárbara O. De Paula², Eneida de Paula²; ¹University of Campinas, ²Department of Biochemistry and Tissue Biology, Institute of Biology, State University of Campinas (UNICAMP), Campinas - São Paulo, Brazil

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION R.OR7 (09:45 - 10:45) - Room Carvalho II

- 09:45 The Potential of Additive Manufacturing (3D Printing) for Biomaterial Engineered Surfaces and Interfaces for Medical Implants R.OR7.24***
Jorge Vicente Lopes da Silva
- 10:15 Immobilization of Tet-124 peptides and their antibacterial effect against Staphylococcus epidermidis R.OR7.25**
Jesús Jacobo Hernández-Montelongo¹, Yendry Corrales Urena², Daisy Machado³, Marcelo Lancellotti³, Klaus Rischka⁴, Paulo Noronha Lisboa-Filho⁵, Mônica Alonso Cotta³; ¹Instituto de Física "Gleb Wataghin"-UNICAMP, ²Centro Nacional de Alta Tecnologia, ³Universidade Estadual de Campinas, ⁴Fraunhofer Institute for Manufacturing Technology and Advanced Materials, ⁵Faculdade de Ciências/Bauru
- 10:30 Synthesis of Bone-like Structured and Calcium Phosphate doped TiO₂ nanotubes by 2-step anodization R.OR7.26**
 Sofia Afonso Alves, Sweetu Patel, Cortino Sukotjo, Jean-Pierre Celis, Luís Augusto Rocha, Tolou Shokuhfar

SESSION R.OR8 (11:15 - 12:00) - Room Carvalho II

- 11:15 Ti-25Ta-Zr alloys for biomedical applications** **R.OR8.27**
Pedro Akira Bazaglia Kuroda^{1,2}, Fernanda Freitas Quadros^{1,2}, Carlos Roberto Grandini^{1,3}; ¹Faculdade de Ciências/Bauru, ²Institute of Biomaterials Tribocorrosion and Nanomedicine, ³Institute of Biomaterials, Tribocorrosion and Nanomedicine
- 11:30 Varying the amount of rutile on titanium oxide thin films produced on commercial titanium by sputtering.** **R.OR8.28**
Patrícia Corrêa¹, Nilton Francelosi Azevedo Neto², José Humberto Dias da Silva¹, Luís Augusto Rocha¹; ¹Universidade Estadual Paulista - Campus Bauru, ²Faculdade de Ciências/Bauru
- 11:45 SYNTHESIS AND CHARACTERIZATION OF MAGNETIC NANOPARTICLES NiFe₂O₄ AND CoFe₂O₄ FOR BIOMEDICAL APPLICATIONS** **R.OR8.29**
Alexandre Pancotti¹, Débora Rodrigues Lima¹; ¹Universidade Federal de Goiás

SESSION R.OR9 (14:00 - 16:15) - Room Carvalho II

- 14:00 Bone, time and rate dependency and validity of researches; what can be done ?** **R.OR9.30***
AHMET HIKMET UCISIK
- 14:30 Behavior of Ti-Nb Coatings Exposed to Different Environments** **R.OR9.31**
Ernesto David Gonzalez¹, Pedro A. P. Nascente²; ¹Universidade Federal de São Carlos, ²Universidade Federal de São Carlos - Campus: São Carlos
- 14:45 Wet-chemical synthesis of biological and synthetic hydroxyapatite: Raman spectroscopy and DRX study** **R.OR9.32**
Victor Raúl Jauja Ccana¹, Adolfo La Rosa-Toro Gómez¹, Golfer Muedas Taipe¹; ¹Universidad Nacional de Ingeniería
- 15:00 Micro-arc oxidation of Ti-15Zr-based alloys for osseointegrative implants** **R.OR9.33**
Diego Rafael Nespeque Correa¹, Luís Augusto Rocha¹, Hisashi Doi², Yusuke Tsutsumi², Takao Hanawa²; ¹Universidade Estadual Paulista - Campus Bauru, ²Tokyo Medical and Dental University
- 15:15 INVESTIGATION OF STRUCTURAL, MAGNETIC AND THERMAL PROPERTIES OF NATURAL MAGNETITE FROM IRON ORE TAILING FOR CANCER TREATMENT APPLICATION** **R.OR9.34**
Sidney Nicodemos da Silva¹, Gabriela Moreira Lana¹, Mariela Alves e Silva¹, Roberta Viana Ferreira¹, Luis Eugenio Fernandez-Outon^{2,3}, José Domingos Ardisson³; ¹Centro Federal de Educação Tecnológica de Minas Gerais, ²Universidade Federal de Minas Gerais, ³Centro de Desenvolvimento da Tecnologia Nuclear
- 15:30 Electrochemical Platform for MicroRNAs detection** **R.OR9.35**
Pawan Jolly¹, Marina Ribeiro Batistuti^{2,3}, Anna Miodek¹, Pavel Zhurauski¹, Marcelo Mulato², Mark Lindsay¹, Pedro Estrela¹; ¹University of Bath, ²Universidade de São Paulo, ³Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - USP
- 15:45 Structure and Properties of Microcrystalline Chitosan**
Luciano Pighinelli¹, Fernando Machado Guimarães¹, Luan Rios Paz¹, Cristiane Miotto Becker², Gislene Zehetmeyer², Gisele Rasia², Gabrielle Brehm Zanin¹, Marzena Kmiec¹, Felipe Melleu Tedesco¹, Victoria Oliva Dos Reis¹, Matheus Machado Silva¹; ¹Lutheran University of Brazil, ²SENAI Institute of Polymers Engineering

Poster presentations

SESSION R.P3 (17:45 - 19:30)

- 17:45 Development of an induced circular dichroism-based probe for determination of binding sites in albumin** **R.P3.130**
Diego Venturini¹, Valdecir Farias Ximenes¹, Aguinaldo Robinson de Souza¹;
¹Universidade Estadual Paulista Júlio de Mesquita Filho
- 17:45 Polyol synthesis and surface functionalization of cobalt ferrite nanoparticles** **R.P3.131**
Lilium Viana Leone¹, João Batista Santos Barbosa¹, Estér Figueiredo Oliveira¹,
Fernanda de Paula Oliveira², Douglas Miquita³; ¹Comissão Nacional de Energia Nuclear, ²UNI BH, ³Universidade Federal De Minas Gerais
- 17:45 Linear and cross-linked biocompatible amphiphilic copolymers based on polyester and polyether blocks** **R.P3.132**
Lívia Mesquita Dias Loiola¹, Lucas Polo Fonseca¹, Rafael Bergamo Trinca¹,
Maria Isabel Felisberti¹; ¹Universidade Estadual de Campinas
- 17:45 RAMAN OPTICAL ACTIVITY APPLIED TO BIOLOGICAL SYSTEMS** **R.P3.133**
Diego Mendes dos Santos¹, Adriano Luiz de Queiroz¹, Marcella Cogo Muniz¹,
Fernando Costa Basilio¹, Gustavo Gonçalves Dalkirani¹, Sydnei Magno da Silva¹,
Renata Cristina de Paula¹, Alexandre Marletta¹, Raigna Augusta da Silva Zadra Armond¹; ¹Universidade Federal de Uberlândia
- 17:45 Interaction of Metronidazole in models for cell membranes at the air-water interface** **R.P3.134**
Jefferson Carnevalle Rodrigues¹, Luciano Caseli¹; ¹Universidade Federal de São Paulo
- 17:45 Acetylated starch-based nanoparticles incorporated with butylated hydroxytoluene and gallic acid** **R.P3.135**
Natalia Romero de Oliveira¹, Suzana Mali¹, Gizilene Maria de Carvalho¹;
¹Universidade Estadual de Londrina
- 17:45 Ab-initio study of ciprofloxacin** **R.P3.136**
Arthur Prado Camargo¹, Vanessa Yumi Sakai², Vera Regina Leopoldo Constantino²,
Helena Maria Petrilli¹; ¹Instituto de Física-USP, ²Instituto de Química - USP
- 17:45 Properties of compositions based on calcia-alumina (CA) system** **R.P3.137**
Vitoria Marques Cesar Leite¹, Mariana Cuba Faraco¹, Ivy Turci Aoke¹, Ivone Regina de Oliveira¹; ¹Universidade do Vale do Paraíba
- 17:45 On the photo-induced modifications of lipid monolayers induced by erythrosin** **R.P3.138**
Pedro Henrique Benites Aoki¹, Luis F. C. Morato², Felipe Jose Pavinatto³,
Thatyane Morimoto Nobre³, Carlos José Leopoldo Constantino², Osvaldo Novais Oliveira Jr³;
¹Faculdade de Ciências e Letras, UNESP, Assis, ²FCT-UNESP Campus de Presidente Prudente, ³Instituto de Física de São Carlos

- 17:45 Effect of hydrophilic chain length on the characteristics of PBS-PEG block copolymers R.P3.139**
Jose Angel Ramon Hernández¹, Vivian Saez Martínez², Fernando Gomes de Souza Junior², Claudia Regina Elias Mansur², José Carlos Pinto¹, Marcio Nele de Souza¹; ¹Departamento de Engenharia Química, Escola de Química, Universidade Federal do Rio de Janeiro, ²Instituto de Macromoléculas
- 17:45 Chitosan nanoparticles for ketoconazole delivery: exploring the experimental conditions for particle formation R.P3.140**
Vivian Saez Martínez¹, Vania Emerich Bucco de Campos¹, Cristal Cerqueira-Coutinho¹, Camila Elia¹, Fernanda Franco Massante¹, Claudia Regina Elias Mansur¹; ¹Universidade Federal do Rio de Janeiro
- 17:45 Raman sign of *Leishmania* species R.P3.141**
Adriano Luiz de Queiroz¹, Diego Mendes dos Santos¹, Fernando Costa Basilio¹, Alexandre Marletta¹, Renata Cristina de Paula¹, Sydnei Magno da Silva¹, Raigna Augusta da Silva Zadra Armond¹; ¹Universidade Federal de Uberlândia
- 17:45 Low content of superhydrophilic carbon nanotubes (MWCNT-O₂) in Poly(lactic acid) (PLA) nanofibers produced by RJS for biological applications R.P3.142**
Patrícia Oliveira de Andrade¹, Ana Maria do Espirito Santo¹, Maira Costa Maftoum², Marco Antonio Grinet², Anderson Oliveira Lobo²; ¹Universidade Federal de São Paulo, ²Universidade do Vale do Paraíba
- 17:45 Influence of composition and morphology on the behavior of PDMAEMA-co-PMMA nano-aggregates R.P3.143**
Lívia Terezinha Pimentel Branco¹, Júlia Siqueira Silva¹, Fábio Herbst Florenzano¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Synthesis and Characterization of new xanthates for the RAFT/MADIX polymerization of unconjugated N-vinyl monomers R.P3.144**
Rodolfo Minto de Moraes¹, Simone de Fátima Medeiros¹, Amilton Martins Santos¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Synthesis of amphiphilic poly(N-vinylcaprolactam)-b-poly(ε-caprolactone) block copolymers via the combination of RAFT/MADIX and ROP techniques R.P3.145**
Rodolfo Minto de Moraes¹, Amilton Martins Santos¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Nanoparticles influence in thermosensitive nanocomposite transition temperature R.P3.146**
Igor Silva¹, Renata Lang Sala¹, Emerson Rodrigues Camargo¹; ¹Universidade Federal de São Carlos - Campus: São Carlos
- 17:45 Synthesis of amphiphilic poly(ε-caprolactone)-b-poly(N-vinylcaprolactam) block copolymers via the combination of RAFT polymerization and click chemistry R.P3.147**
Paulo Henrique Assis¹, Grazielle Aparecida de Jesus Aguiar¹, Rodolfo Minto de Moraes¹, Simone de Fátima Medeiros¹, Amilton Martins Santos¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Microhardness Measurements of Hydroxyapatite Sintered Using Chicken Eggs Shell Precursors R.P3.148**
Marcelo Vitor Ferreira Machado^{1,2}, José Brant Campos², MARILZA SAMPAIO AGUILAR³, Nataly Cristine Campos⁴, Bruno Cavalcanti Di Lello³, Vitor Santos Ramos²; ¹Instituto Federal de Educação, Ciência e Tecnologia Fluminense, ²Universidade do Estado do Rio de Janeiro, ³Universidade Estácio de Sá, ⁴Pontifícia Universidade Católica do Rio de Janeiro

- 17:45 Surface morphology of polyelectrolyte complexes prepared in presence of [Bmim][BF₄] and [HMim][HSO₄] ionic liquids** **R.P3.149**
Letícia Caroline Bonkovoski¹, Cátia Santos Nunes¹, Michael Jackson Vieira da Silva¹, Fernanda Andréia Rosa¹, Edvani Curti Muniz^{1,2,3}; ¹Universidade Estadual de Maringá, ²Universidade Paranaense, ³Universidade Tecnológica Federal do Paraná
- 17:45 Preparation and evaluation of chitosan films containing plasticizers** **R.P3.151**
Letícia Pereira Almeida¹, Jacqueline Santiago Nojosa², Francisco Fábio Oliveira de Sousa³; ¹Universidade do Estado do Amapá, ²Universidade Federal do Ceará, ³Universidade Federal do Amapá
- 17:45 Interaction of thymol with Langmuir monolayers studied with surface chemistry and Molecular Simulation** **R.P3.152**
João Victor Narducci Ferreira¹, Leonardo José Amaral Siqueira¹, João Henrique Ghilardi Lago¹, Luciano Caseli¹; ¹Universidade Federal de São Paulo - Campus de Diadema
- 17:45 Preparation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) - TiO₂ nanocomposites thin films by spin coating technique** **R.P3.153**
Natália Ferreira Braga¹, F. H. Cristovan¹, Tatiane Moraes Arantes²; ¹Universidade Federal de São Paulo - Campus São José dos Campos, ²Universidade Federal de Goiás
- 17:45 Synthesis and characterization of superparamagnetic polymeric nanocapsules** **R.P3.154**
Renato Grillo^{1,2}, Juan Gallo², Daniel Grando Stroppa², Enrique Carbo-Argibay², Renata de Lima³, Leonardo Fernandes Fraceto¹, Manuel Banõbre-Lopez²; ¹UNESP - Campus Sorocaba, ²International Iberian Nanotechnology Laboratory, ³Universidade de Sorocaba
- 17:45 SYNTHESIS AND CHARACTERIZATION OF HYBRID SYSTEM: MESOPOROUS SILICA - THERMO AND PH SENSITIVE HYDROGEL** **R.P3.155**
Gabriel Augusto Alemão Monteiro¹, Ricardo Geraldo Sousa², Edésia Martins Barros de Sousa¹; ¹Centro de Desenvolvimento da Tecnologia Nuclear, ²Universidade Federal de Minas Gerais
- 17:45 Potential application of PAN (polyacrylonitrile) derived activated carbon fibers for water decontamination** **R.P3.156**
Gabriela de Moraes Gouvêa Lima¹, Isabela Maria Martins¹, Gabriela dos Santos Simões¹, Aline Chiodi Borges¹, Jossano Saldanha Marcuzzo², Mauricio Ribeiro Baldan², Cristiane Yumi Koga-Ito¹; ¹ICT-Unesp de São José dos Campos, ²Instituto Nacional de Pesquisas Espaciais
- 17:45 Photodegradation study of photoluminescent polymer blends for the development of blue light dosimeters** **R.P3.157**
Adryelle do Nascimento Arantes¹, Luana Rodrigues¹, Alexandre Marletta¹, Lennon Dias¹, José Roberto Tozoni¹; ¹Universidade Federal de Uberlândia
- 17:45 Influence of crystallography on reactivity, selectivity and sensitivity of cuprous oxide nanoparticles.** **R.P3.158**
Fabián Andree Cerda Pastrían¹, Susana Ines Cordoba de Torresí¹, Anderson Gabriel Marques da Silva¹, Pedro Henrique Cury Camargo¹; ¹Instituto de Química - USP
- 17:45 Preparation of chitosan nanoparticles containing sodium diclofenac using the ion-gelation method** **R.P3.159**
Julia Natália Mazoni El Kadri¹, Paulo de Tarso Vieira Rosa¹; ¹Institute of Chemistry-UNICAMP

- 17:45 Nanostructured polysaccharides thin films with structural and dye release properties mediated by pH and ionic strength** **R.P3.160**
Rogério Bataglioli Bataglioli¹, João Batista Neto¹, Thiago Bezerra Taketa¹, Roberta Polak², Marisa Masumi Beppu¹; ¹Faculdade de Engenharia Química - UNICAMP, ²Massachusetts Institute of Technology
- 17:45 Magnetic cellulose as support for β -galactosidase immobilization: Matrix characterization and application on galacto-oligosaccharides production** **R.P3.161**
Mariana Rodrigues Xavier¹, Mariana Paola Cabrera¹, Esteban Espinosa Vidal², David Fernando de Morais Neri³; ¹Universidade Federal de Pernambuco, ²Centro de Tecnologias Estratégicas do Nordeste, ³Fundação Universidade Federal do Vale do São Francisco
- 17:45 Analysis of residual thermal stress in layered zirconia/porcelain discs for dental applications** **R.P3.162**
Douglas Fabris¹, Júlio César Matias Souza¹, Filipe Samuel Silva², Marcio Celso Fredel¹, Joana Mesquita Guimarães¹, Bruno Alexandre Henriques¹; ¹Universidade Federal de Santa Catarina, ²Universidade do Minho
- 17:45 Electrospayed micro or nanoparticles incorporating a phytoextract directed towards the protection of seeds in organic farm programmes** **R.P3.163**
Lenise Muller Ricciardi
- 17:45 PLA fibers application obtained by electrospinning in tissue engineering** **R.P3.164**
Talita Nascimento Da Silva¹, Paulo Henrique de Sousa Picciani¹, Haroldo Gurgel Mota Filho², Carlos Augusto Galvão Barboza²; ¹Instituto de Macromoléculas Professora Eloisa Mano, ²Universidade Federal do Rio Grande do Norte
- 17:45 Non-Linear Spectroscopy Investigations of Langmuir Monolayers of Lipopolysaccharides Extracted from Salmonella sp.** **R.P3.165**
Diogo Volpati¹, Thatyane Morimoto Nobre^{2,3,4}, Paulo Barbeitas Miranda⁵, Osvaldo Novais Oliveira Jr⁵; ¹Mid Sweden University - Mittuniversitetet, ²Instituto de Física de São Carlos, ³CNPq, ⁴University of California, Berkeley, ⁵Instituto de Física de São Carlos - Universidade de São Paulo
- 17:45 Production of zirconia porous structures by dip coating method** **R.P3.166**
Stephanie Roedel¹, Joana Mesquita Guimarães¹, Júlio César Matias Souza¹, Filipe Samuel Silva², Douglas Fabris¹, Marcio Celso Fredel¹, Bruno Alexandre Henriques¹; ¹Universidade Federal de Santa Catarina, ²Universidade do Minho
- 17:45 Microfluidic processes for the synthesis of aminoacid-based nanoparticles** **R.P3.167**
Thays França Naves¹, Tiago Albertini Balbino¹, Lucimara de La Torre¹; ¹Faculdade de Engenharia Química - UNICAMP
- 17:45 The role played by the unsaturation of the hydrophobic chain on the interaction between a xanthene derivative and cell membrane models based on zwitterionic phospholipids** **R.P3.168**
Luis F. C. Morato¹, Pedro Henrique Benites Aoki², Carlos José Leopoldo Constantino¹; ¹FCT-UNESP Campus de Presidente Prudente, ²Faculdade de Ciências e Letras, UNESP, Assis
- 17:45 Natural rubber latex/sodium alginate blend: enhancement of the properties of the single membranes** **R.P3.169**
Felipe Azevedo Borges¹, Ana Maria Minarelli Gaspar², Rondinelli Donizetti Herculano¹; ¹Instituto de Química de Araraquara/UNESP, ²Faculdade de Odontologia de Araraquara

- 17:45 Natural rubber latex/sodium alginate blend: swelling and degradation study** **R.P3.170**
Felipe Azevedo Borges¹, Ana Maria Minarelli Gaspar², Rondinelli Donizetti Herculano¹; ¹Instituto de Química - UNESP, ²Faculdade de Odontologia de Araraquara
- 17:45 Investigation of the isothermal crystallization of PLA/PCL blends** **R.P3.171**
Fabiana Massarente Pereira¹, Marcelo Aparecido Chinelatto¹; ¹Escola de Engenharia de São Carlos- Universidade de São Paulo
- 17:45 Amoxicilin and Methylene Blue as emerging polutants: interaction with membrane models formed by DPPC Langmuir films** **R.P3.172**
Mateus Dassie Maximino¹, Priscila Alessio¹, Carlos José Leopoldo Constantino¹; ¹FCT-UNESP Campus de Presidente Prudente
- 17:45 Nanoparticles formed by soy lecithin – caseinate interactions** **R.P3.173**
 Antônio Matias Navarrete Toledo¹, Camila Gonçalves Rodrigues¹, Ana Carla Kawazoe Sato¹, Carolina Siqueira Franco Picone¹; ¹University of Campinas
- 17:45 Study of wetting behavior of glasses of the system SiO₂-B₂O₃-Al₂O₃-La₂O₃-TiO₂-CaO-CeO₂ on alumina substrate** **R.P3.174**
Henrique Takaaki Tamoto¹, Daniel Ayarroio Seixas¹, Tiago Schiller dos Reis¹, Afonso Chimanski¹, Humberto Naoyuki Yoshimura¹; ¹Universidade Federal do ABC
- 17:45 Morphology and mechanical properties of nanofibers made of poly[(2-dimethylamino) ethyl methacrylate] and polycaprolactone** **R.P3.175**
 Fernanda Grandizoli Santos¹, Letícia Caroline Bonkovoski¹, Maria Alice Witt^{2,1}, Edvani Curti Muniz^{1,3,4}; ¹Universidade Estadual de Maringá, ²Pontifícia Universidade Católica do Paraná, ³Universidade Paranaense, ⁴Universidade Tecnológica Federal do Paraná
- 17:45 Effect of magnetite nanoparticles on the electron transfer kinetics of Cobalt Prussian blue analogue** **R.P3.176**
Welter Cantanhêde¹, Roberto Alves de Sousa Luz², Anna Thaise Bandeira Silva¹, Caio Lenon Chaves Carvalho¹; ¹Universidade Federal do Piauí, ²Universidade Estadual do Piauí
- 17:45 Interaction between a synthetic steroid hormone and mixed DPPC–cholesterol forming Langmuir films as biomembrane models** **R.P3.177**
Gilia Cristine Marques Ruiz¹, Pedro Henrique Benites Aoki², Carlos José Leopoldo Constantino^{1,2}; ¹FCT-UNESP Campus de Presidente Prudente, ²Faculdade de Ciências e Letras, UNESP, Assis
- 17:45 Hybrid nanomaterial composed of cobalt Prussian blue analogue and zinc oxide nanoparticles: structure, supramolecular arrangement and electrochemical properties** **R.P3.178**
 Welter Cantanhêde¹, Katharinne Sabrina Nascimento Teixeira¹, Roberto Alves de Sousa Luz², Viviane Gomes Pereira Ribeiro³, Selma Elaine Mazzetto³, Giuseppe Mele⁴; ¹Universidade Federal do Piauí, ²Universidade Estadual do Piauí, ³Universidade Federal do Ceará, ⁴Università del Salento (ex-Lecce)
- 17:45 MULTIPLE EMULSION FOR GELS PRODUCTION** **R.P3.179**
Camila Gonçalves Rodrigues¹, Tatiana Porto Santos¹, Antônio Matias Navarrete Toledo¹, Fabiana Perrechil Bonsanto², Ana Carla Kawazoe Sato¹; ¹University of Campinas, ²Federal University of São Paulo

- 17:45 Kinetic Release Evaluation of Casearia Sylvestris Swartz loaded Natural Rubber Latex Membranes R.P3.180**
Rondinelli Donizetti Herculano¹, Flávio Alexandre Carvalho¹, André Gonzaga Santos¹, Felipe Azevedo Borges¹, Rosângela Gonçalves Silva², José Lúcio Pádua Gemeinder³; ¹Faculdade de Ciências Farmacêuticas de Araraquara/UNESP, ²Instituto de Química de Araraquara/UNESP, ³Faculdades Integradas de Ourinhos
- 17:45 Synthesis of nanohydroxyapatite by wet precipitation process with physical interferences R.P3.181**
Michelle Chizzolini Barbosa¹, Anderson Oliveira Lobo¹, Fernanda Roberta Marciano¹; ¹Universidade do Vale do Paraíba
- 17:45 Removal of antibodies from human plasma using supermacroporous cryogel adsorbents with immobilized phenylalanine R.P3.182**
Cecília Alves Mourão¹, Sonia Maria Alves Bueno²; ¹Faculdade de Engenharia Química - UNICAMP, ²Faculdade de Engenharia Química-FEQ-UNICAMP
- 17:45 Layer-by-layer assembly of chitosan/hyaluronan: influence of the degree of acetylation and pH on surface chemistry and morphology R.P3.183**
João Batista Neto¹, Rogerio Bataglioli Bataglioli¹, Thiago Bezerra Taketa¹, Roberta Polak², Danilo Martins dos Santos³, Anderson Fiamingo³, Sérgio Paulo Campana Filho³, Marisa Masumi Beppu¹; ¹Faculdade de Engenharia Química - UNICAMP, ²Massachusetts Institute of Technology, ³Universidade de São Paulo
- 17:45 Studies of interaction between xanthan gum and chitosan in mineralized films with calcium phosphates R.P3.184**
Mariana de Oliveira Silva¹, Aline Evangelista Aguiar¹, Celso Aparecido Bertran¹; ¹Institute of Chemistry-UNICAMP
- 17:45 Rheological characterization of Poly L-co-D, L lactic acid (PLDLA) solutions R.P3.185**
Rosemeire Santos Almeida¹, Claudenete Vieira Leal¹, José Luis Dávila¹, Eliana A. R. Duek^{2,1}, Marcos Akira d'Ávila¹; ¹Faculty of Mechanical Engineering, University of Campinas, ²Pontifical Catholic University of São Paulo, Sorocaba,
- 17:45 POLYANILINE/CHITOSAN/ γ -Fe₂O₃ HYBRID NANOCOMPOSITE FOR THE NUCLEIC ACID RETRIEVAL R.P3.186**
Bruna Gomes Maciel¹, Juan Carlos Medina Llamas¹, Alicia Elizabeth Chávez Guajardo¹, José Jarib Alcaraz Espinoza¹, Celso Pinto de Melo¹; ¹Universidade Federal de Pernambuco
- 17:45 Droplet microfluidics for biocatalyst immobilization in calcium alginate microparticles R.P3.187**
Aline Furtado Oliveira¹, Franciele Flores Vit², Reinaldo Gaspar Bastos³, Lucimara Gaziola de la Torre¹; ¹Faculdade de Engenharia Química - UNICAMP, ²Faculdade de Engenharia Química, ³Universidade Federal de São Carlos
- 17:45 Design and characterization of copaiba oil/alginate films for wound dressings application: Effect of copaiba oil concentration on the film properties R.P3.188**
Aryane Christine Neves Martins¹, Classius Ferreira da Silva¹; ¹Universidade Federal de São Paulo - Campus de Diadema

- 17:45 Synthesis of molecular hybrids compounds of the 1,4-dihydroquinoline and azoanalogues ariltetralinic lignans over multicomponent reactions assisted by microwave irradiation. R.P3.189**
Willian Pereira Gomes¹, Regiane Godoy Lima¹, Ana Paula da Rocha Pissurno¹, Fernanda Amorim Santos², Rosangela Silva Laurentiz¹; ¹Campus de Ilha Solteira, ²Faculdade de Engenharia/UNESP-IS
- 17:45 Microfluidic Technique for Glycol chitosan nanoparticles synthesis R.P3.190**
 Caroline Casagrande Sipoli¹, Ana Paula Duarte Pereira¹, Amanda da Costa e Silva de Noronha Pessoa², Lucimara Gaziola de la Torre¹; ¹Faculdade de Engenharia Química-FEQ-UNICAMP, ²Faculdade de Engenharia Química - UNICAMP
- 17:45 In vitro degradation of polymer blends scaffolds (poly-epsilon-caprolactone, PCL) of high and low molecular weight associated with tetracycline and hydroxyapatite. R.P3.191**
 Daniela Sachs¹, Amanda Carvalho Pereira², Alvaro Alencar Queiroz¹, Pedro Augusto de Andrade Novaes¹, Ana Angélica MARTINS COSTA¹; ¹Universidade Federal de Itajubá, ²Fundação de Ensino e Pesquisa de Itajubá
- 17:45 Chitosan/chondroitin sulfate hydrogels prepared in [Hmim][HSO₄] ionic liquid R.P3.192**
Cátia Santos Nunes¹, Kessily Barbosa Rufato¹, Elizangela Messias Almeida¹, Michael Jackson Vieira da Silva¹, Débora Botura Scariot¹, Celso Vataru Nakamura², Alessandro Francisco Martins^{1,3}, Fernanda Andréia Rosa¹, Edvani Curti Muniz^{1,4,5}; ¹Universidade Estadual de Maringá, Dep. de Química, Maringá, PR, Brazil, ²Universidade Estadual de Maringá, Dep.de Ciências Básicas da Saúde, Maringá, PR, Brazil, ³Universidade Tecnológica Federal do Paraná (UTFPR-AP), Dep. de Química, Apucarana, PR, Brazil, ⁴Universidade Tecnológica Federal do Paraná (UTFPR-LD), PPGCEM, Londrina, PR, Brazil, ⁵Univ. Paranaense (UNIPAR), Progr. de Pós-graduação em Biotecnologia, Umuarama, PR, Brazil
- 17:45 pH-responsive delivery systems for vaginal administration: rheological and morphologic profile**
 Taciane Alvarenga Perez¹, Natália Noronha Ferreira¹, Maria Palmira Daflon Gremião¹; ¹Faculdade de Ciências Farmacêuticas de Araraquara/UNESP

SYMPOSIUM S - Biomaterials and Devices for Neuroscience

Symposium organizers:

Roberto Ricardo Panepucci (*CTI*)
Roberto Maria Covolan (*Unicamp*)
Hercules Neves (*Unitec and Uppsala University*)

Tuesday, September 27th

Oral presentations

* Invited Lecture

SESSION S.OR1 (09:45 - 10:45) - Room Jacarandá

- 09:45 Correlates of learning in neuronal cultures: recording and stimulating in patterns** **S.OR1.1***
Nathalia Peixoto¹, Sharon Jose², Michael Maquera, Robert Graham²; ¹Neural Engineering Lab George Mason University, ²Neural Engineering Lab, George Mason University, VA, USA
- 10:15 Motor cortex and prefrontal cortex stimulation by DBS system attenuates the neuropathic pain in rodents: Electrophysiological and Psychopharmacology approaches** **S.OR1.2***
Renato Leonardo De Freitas¹; ¹Laboratory of Neuroanatomy and Neuropsychobiology, Department of Pharmacology, (FMRP-USP), Ribeirão Preto, São Paulo, Brazil
- 10:30 Microfluidic Actuation of Flexible Carbon Nanotube Fibers for Neural Recording and Stimulation** **S.OR1.3***
Daniel Vercosa¹, Flavia Vitale², Frederik Seibt³, Sushma Pamulapati¹, Jiayi Stephen Yan¹, Krishna Badhiwala¹, Michael Beierlein³, Matteo Pasquali¹, Jacob T Robinson¹; ¹Rice University, ²University of Pennsylvania, ³University of Texas Health Science Center at Houston

SESSION S.OR2 (11:15 - 12:00) - Room Jacarandá

- 11:15 Problems and solutions in optogenetic experiments associated with electrophysiology** **S.OR2.4***
Richardson Leão, Sanja Mikulovic², Helton Maia Peixoto³; ¹Brain Institute, UFRN and Uppsala University, Sweden, ²Uppsala University, Sweden, ³Brain Institute, UFRN
- 11:45 Synthesis and Characterization of Hydrogels from the starch of jackfruit prepared with Silver Nanoparticles incorporation** **S.OR2.5**
JOSÉ FILIPE BACALHAU RODRIGUES¹, Maria Roberta de Oliveira Pinto¹, Kleilton Oliveira Santos¹, Rossemberg Cardoso Barbosa², Marcus Vinicius de Lia Fook², Gislaine Bezerra de Carvalho Barreto²; ¹Universidade Estadual da Paraíba, ²Laboratório de Avaliação e Desenvolvimento de Biomateriais do Nordeste - CERTBIO/UAEMA/CCT

Poster presentations

SESSION S.P1 (17:45 - 19:30)

- 17:45 Characterization of commercial collagen sponges** S.P1.1
Daniel Hideki Oichi¹, Dámiana Máximo Brandão², Sheyla Maria de Castro Máximo Bicalho², Sergio Akinobu Yoshioka¹; ¹Instituto de Química de São Carlos, ²Empresa JHS Biomateriais
- 17:45 Coupling study (molecular docking) of the neuroestimulant baclofen® with the lecithin canavalia brasiliensis (conbr)** S.P1.2
Gilderlan Almeida Araújo¹, Eliana Pereira Silva¹, Felipe Kairo de Sousa Lima¹, Rondinelle Ribeiro Castro¹, José Auri Pinheiro¹, Márcia Machado Marinho², Robson Guimarães Sanabio¹, Emmanuel Silva Marinho¹; ¹Universidade Estadual do Ceará, ²Universidade Federal do Ceará
- 17:45 Blends of polythiophene derivative with poly(N-vinylcaprolactam) for applications in tissue engineering.** S.P1.3
Sara Robert Naha¹, Lara Robert Naha¹, Lilia Müller Guerrini¹, Maurício Pinheiro de Oliveira¹, F. H. Cristovan¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Hinokinin a loaded Poly(lactic-co-glycolic acid) (PLGA) microparticles: Synthesis and Characterization** S.P1.4
Regiane Godoy Lima¹, Marcia Regina de Moura¹, Rosangela Silva Laurentiz¹; ¹Campus de Ilha Solteira
- 17:45 Antimicrobial activity and physical characterization of alginate-based nanocomposite films incorporating ZnO nanoparticles** S.P1.5
Sergio Henrique de Toledo e Silva¹, Andréa Cristiane Krause Bierhalz², Theo Guenter Kieckbusch¹, Ângela Maria Moraes¹; ¹University of Campinas, ²Universidade Federal de Santa Catarina
- 17:45 Mechanical characterization of glasses of the system SiO₂-B₂O₃-Al₂O₃-La₂O₃-TiO₂** S.P1.6
Fernando Olmedo Carvalho¹, Arianne Ritter¹, Afonso Chimanski¹, Humberto Naoyuki Yoshimura¹; ¹Universidade Federal do ABC
- 17:45 NEW STRUCTURE OF SCAFFOLD PRODUCED THROUGH RAPID PROTOTYPING** S.P1.7
Sidney Nicodemos da Silva¹, Philipe Pocidonio Silva¹, Adriana Zatti Lima¹, Bruno Cordeiro Silva¹, Felipe de Carvalho Zavaglia²; ¹Centro Federal de Educação Tecnológica de Minas Gerais, ²Universidade Estadual de Campinas
- 17:45 Radiopaque nanoparticles of trifluoride of ytterbium with potential use in dental resins** S.P1.8
Lucas Henrique Mendes¹, Emerson Rodrigues Camargo¹, Francisco Nunes de Souza Neto²; ¹Universidade Federal de São Carlos - Campus: São Carlos, ²Universidade Federal de São Carlos
- 17:45 Formation and characterization of bioactive membranes obtained from natural polymers reinforced with biominerals.** S.P1.9
Lucas Fabricio Bahia Nogueira¹, Ana Paula Ramos¹; ¹Universidade de São Paulo
- 17:45 Optimization of PEEK Processing by Extrusion and Compression Molding** S.P1.10
Mayelli Dantas de Sá¹, Flavia Suzany Ferreira dos Santos¹, Valéria Pereira Ferreira¹, Marcus Vinícius Lia Fook¹, Cristiane Agra Pimentel¹; ¹Universidade Federal de Campina Grande

- 17:45 Synthesis of mesoporous bioactive glass nanospheres with controllable morphology for bone tissue regeneration** **S.P1.11**
Dayane Marques Oliveira¹, Andreza de Sousa Andrada¹, Daniel Andrada Maria¹; ¹Universidade Federal de Itajubá
- 17:45 Mechanical and microstructural evaluation of CoCr alloys manufactured via selective laser melting (SLM)** **S.P1.12**
Marcello Vertamatti Mergulhão¹, Carlos Eduardo Podestá¹, MAURICIO DAVID MARTINS DAS NEVES¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 Comparison of mechanical properties and microstructural characterization of CoCrMo alloy obtained via selective laser melting (SLM) and casting techniques** **S.P1.13**
Marcello Vertamatti Mergulhão¹, Carlos Eduardo Podestá¹, MAURICIO DAVID MARTINS DAS NEVES¹; ¹INSTITUTO DE PESQUISAS ENERGÉTICAS E NUCLEARES
- 17:45 Glass with titanium oxide for resin-modified glass ionomer cement** **S.P1.14**
Silvia Denofre De Campos¹, Elvio Antonio de Campos¹, Caroline Clare¹, Luana Jacomini¹, Djéssica Welzel¹, Miriã Cristina Santos¹; ¹Universidade Estadual do Oeste do Paraná
- 17:45 Correlations between Physical Properties and Macromolecular Configuration for Chitosan and Oligo(DL-lactic acid) Networks** **S.P1.15**
Claudio Batista Ciulik¹, Oigres Daniel Bernardinelli², Eduardo Ribeiro de Azevedo², Leni Akcelrud¹; ¹Universidade Federal do Paraná, ²Instituto de Física de São Carlos - USP
- 17:45 Chloroaluminum phthalocyanine-loaded on nanoemulsion-mediated photodynamic therapy to treatment of glioblastoma multiforme** **S.P1.16**
Leonardo Barcelos de Paula¹, Fernando Lucas Primo², Maryanne Trafani de Melo¹, Antonio Claudio Tedesco¹; ¹Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - USP, ²Faculdade de Ciências Farmacêuticas de Araraquara
- 17:45 Templated-assisted synthesis of porous PNIPAAm-co-AAc hydrogels by Pluronic F127** **S.P1.17**
Flávia Mesquita Cabrini¹, Mathilde Champeau¹, Liliane Cristina Battirola², Maria do Carmo Gonçalves², Marcelo Ganzarolli de Oliveira²; ¹Universidade Estadual de Campinas, ²Institute of Chemistry-UNICAMP
- 17:45 Preparation and Characterization of Poly(N isopropylacrylamide)/Chitosan Semi-IPN Hydrogel** **S.P1.18**
Alexandre Flauzino Junior¹, Maria Elena Leyva¹, Alvaro Antonio Alencar de Queiroz¹; ¹Universidade Federal de Itajubá
- 17:45 Study of the feed slurry parameters in the spray drying process to obtain wollastonite granules** **S.P1.19**
Gleice Ellen Almeida Verginio¹, Caroline Oliveira Renó¹, Luciana Pereira Silva¹, Eduardo Quinteiro¹, Mariana Motisuke¹; ¹Universidade Federal de São Paulo
- 17:45 Study of Dye Resistance to Solar Radiation for Facial Prosthesis** **S.P1.20**
Thainá Kelly Silva¹, Keyte Nayara Da Silva Nascimento², Paloma Bispo Coelho¹, Thiago André Salgueiro Soares³, Eliane Cristina Viana Revoredo⁴, André Galembeck³, Walter Raysth Martínez², Débora Carvalho Dos Anjos¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Sertão Pernambucano, ²Universidade Federal de Pernambuco, ³Centro de Tecnologias Estratégicas do Nordeste, ⁴Hopital de Câncer de Pernambuco

- 17:45 SIMULATION OF ISSUES BETWEEN BIOELECTRIC MEMBRANES GLIAL PLASMA CELL: AN APPROACH IN SILICA** **S.P1.21**
Emmanuelle Oliveira Sancho¹, Orleancio Gomes Ripardo Azevedo², Raul Victor Lourenço Penaforte¹, Juscelino Chaves Sales³; ¹Universidade de Fortaleza, ²Faculdade Nordeste, ³Universidade Estadual do Vale do Acaraú
- 17:45 Study of phase transformation due heat treatment of Ti-10Nb alloy obtained with electric arc furnace** **S.P1.22**
Sônia Regina Sales Barbosa¹, Rafael Pacheco Evangelista¹, Mirtânia Antunes Leão¹, Gildo Machado Ribeiro¹; ¹Instituto Federal de Educação, Ciência e Tecnologia da Bahia
- 17:45 Study of PARK7 gene related to Parkinson's disease in different areas of the human brain using Brain Explorer® 2 software such as computer simulation tool** **S.P1.23**
Reinaldo Souza Miranda¹; ¹Universidade Paulista
- 17:45 Electrosynthesis of silver nanoparticles on silica microparticles to inhibit biofilm in silicone rubber** **S.P1.24**
Livia C. dos Passos Araujo¹, Maria Elena Leyva¹, Paulo Sérgio Marques¹, Estácio Tavares Neto¹; ¹Universidade Federal de Itajubá
- 17:45 biocide surfaces for surgical tools obtained by the surface treatments of Ag-Al alloys for obtaining Ag nanoparticles embedded in surface oxides** **S.P1.25**
Luis Frederico P. Dick¹, RENATO DE VALENTE VALENTE¹, Marilene Henning Vainstein¹, Vanessa Barcellos¹, Caroline Barros¹; ¹Universidade Federal do Rio Grande do Sul
- 17:45 Sintering behaviour of hydroxyapatite-zirconia composite synthesized by two chemical methods** **S.P1.26**
Alejandra Hortencia Miranda González¹, Ayrton Fernando Gomes de Oliveira¹, Artur Eduardo Alves Castro¹, Carlos F. O. Graeff²; ¹Universidade Anhanguera de São Paulo, ²Faculdade de Ciências/Bauru
- 17:45 SU8 neural probe development** **S.P1.27**
Andre Hernandes Alves Malavazi¹, Jesus Arbey Benavides¹, Roberto Maria Covolan¹, Roberto Ricardo Panepucci²; ¹IFGW, Unicamp, ²Centro de Tecnologia da Informação Renato Archer
- 17:45 Manganese-enhanced MRI (MEMRI) to evaluate the cellular activation and connectivity in vivo after deep brain stimulation** **S.P1.28**
Jackeline Moraes Malheiros¹, Alberto Tannús¹, Luciene Covolan²; ¹CIERMag , IFSC , USP, ²UNIFESP - Departamento de Fisiologia
- 17:45 Mechanisms of deep brain stimulation on restraint stress model** **S.P1.29**
Karla De Michelis Mograbi¹, Clement Hamani², Luciene Covolan¹; ¹Universidade Federal de São Paulo, ²Universidade de Toronto - Canadá
- 17:45 Expression of Brain C- Fos after deep brain stimulation (DBS)** **S.P1.30**
Christiane Gimenes¹, Jackeline Moraes Malheiros¹, Luciene Covolan¹; ¹Universidade Federal de São Paulo (UNIFESP)

SYMPOSIUM T - Self-Assembled Biological Structures for Electronic and Photonic Devices and Applications

Symposium organizers:

Wendel Andrade Alves (*UFABC*)
Suchi Guha (*University of Missouri*)
Susana Inés Córdoba de Torresi (*USP*)
Luiz Henrique Dall'Antonia (*UEL*)

Wednesday, September 28th

Poster presentations

SESSION T.P1 (17:45 - 19:30)

- 17:45 X-ray scattering techniques applied to the study of biomaterials at the air/liquid interface** **T.P1.2**
Antonio Augusto Malfatti Gasperini¹, Ximena Elizabeth Puentes¹, Rafael Oliveira^{2,3}, Julio Pusterla², Márcio Medeiros Soares¹, Leide Cavalcanti⁴;
¹Brazilian Center for Research in Energy and Materials, ²Universidad Nacional de Cordoba, ³Consejo Nacional de Investigaciones Científicas y Técnicas, ⁴Faculdade de Engenharia Química - UNICAMP
- 17:45 Inhibition acetylcholinesterase in different drugs used in therapy of alzheimer's evil: biochemical analysis and structural using software rasmol.** **T.P1.3**
Paula Martins da Silva¹, Letícia Graziela Costa Santos¹, Renato Massaharu Hassunuma¹, Eduardo Nascimbem Turini¹, Patricia Carvalho Garcia¹;
¹Universidade Paulista
- 17:45 Time-resolved fluorescence study of a self-assembled FF nanotube containing a fluorescent dye** **T.P1.4**
Geovany Albino de Souza¹, Tatiana Duque Martins¹; ¹Universidade Federal de Goiás
- 17:45 Au nanoparticles based catalysts for enzyme mimic: Effect on particle size on catalytic performance** **T.P1.5**
Larissa Helena de Oliveira¹, Lidiane Oliveira Pinto¹, Lauro Tatsuo Kubota¹, Fernando Aparecido Sigoli¹, Italo Odone Mazali¹; ¹Universidade Estadual de Campinas
- 17:45 The theory of molecular watch: a protein comparative study species of different prion using bioinformatics tools.** **T.P1.6**
Paula Martins da Silva¹, Eduardo Nascimbem Turini¹, Renato Massaharu Hassunuma¹, Patricia Carvalho Garcia¹, Letícia Graziela Costa Santos¹;
¹Universidade Paulista
- 17:45 L,L-diphenylalanine/zinc phthalocyanine conjugates in photodynamic therapy** **T.P1.1**
márcia isabel de souza prado^{1,2}, Francisco Batista do Nascimento², Tatiana pietro², Emerson Rodrigo da Silva^{3,4}, Anderson Orzari Ribeiro², Tiago Rodrigues², Wendel Andrade Alves²; ¹Fundação Universidade Federal do Abc, ²Universidade Federal do ABC, ³Universidade Federal de Alagoas, ⁴Universidade Federal de São Paulo

SYMPOSIUM U - University Chapter Symposium

Symposium organizers:

Tiago Carneiro Gomes (*UNESP*)
Bruna Carolina Costa (*UNESP*)
João Paulo Almeida de Mendonça (*UFJF*)
Marcella Rocha Franco (*UFOP*)
Jefferson da Silva Martins (*UFJF*)

Monday, September 26th

Oral presentations

* Invited Lecture

SESSION U.OR1 (09:45 - 10:45) - Room Cerejeira

- 09:45 Electronics in Brazil** **U.OR1.1***
Roberto Mendonça Faria¹; ¹Universidade de São Paulo
- 10:15 Electronic structure and dynamic interactions in organic semiconductors as studied by Electronic Magnetic Resonance** **U.OR1.2***
Carlos F. O. Graeff¹; ¹Faculdade de Ciências/Bauru

SESSION U.OR2 (11:15 - 12:00) - Room Cerejeira

- 11:15 Some Practical Aspects of Transmission Electron Microscopy** **U.OR2.3***
Carlos Alberto Ospina Ramirez¹; ¹Electron Microscopy Laboratory, Brazilian Nanotechnology National Laboratory, Campinas, SP, Brazil

SESSION U.OR3 (14:00 - 16:15) - Room Cerejeira

- 14:00 Advances and Perspectives on Single Particles Cryo-EM** **U.OR3.4***
Rodrigo Villares Portugal¹; ¹Electron Microscopy Laboratory, Brazilian Nanotechnology National Laboratory, Campinas, SP, Brazil
- 14:30 Advances in Nanomedicine and Nanotoxicology** **U.OR3.5***
Valtencir Zucolotto¹; ¹Nanomedicine and Nanotoxicology Group, IFSC/USP
- 15:00 Trojan-like internalization of titanium nanoparticles by bone cells: a glance at the nano-biointerface** **U.OR3.6***
Ana Rosa Ribeiro¹, Sara Gemini Piperni¹, Radovan Borojevic¹, Luís Augusto Rocha¹, Jose Mauro Granjeiro¹; ¹National Institute of Metrology Quality and Technology
- 15:30 From idea to product:organic dosimeter to promote most efficient use of neonatal phototherapy** **U.OR3.7***
Rodrigo Fernando Bianchi¹, Antônio Maurício Tannure Fonseca¹, Andrea Gomes Campos Bianchi¹, Giovana Ribeiro Ferreira², Andrea Gomes Campos Bianchi¹, Melissa F. Siqueira Savedra¹; ¹Universidade Federal de Ouro Preto, ²Universidade Federal dos Vales do Jequitinhonha E Mucuri

Poster presentations

SESSION U.P1 (17:45 - 19:30)

- 17:45 The Game of Periodic Table at the Teaching of Materials Science** **U.P1.1**
Beatriz Antoniassi¹, Marcia Rodrigues de Morais Chaves¹, Marcelo Telascrêa¹; ¹Universidade do Sagrado Coração

- 17:45 NEW PERSPECTIVES AT UNIVERSITY CHAPTER RIO GRANDE DO SUL U.P1.2**
Bruna Louise Perotti¹, Carla Daniela Boeira¹, Leonardo Mathias Leidens¹;
¹Universidade de Caxias do Sul
- 17:45 ELECTROSPINNING OF PVDF FOR APPLICATION IN PHOTOVOLTAIC DEVICES U.P1.3**
 Angela Priscila Pelegrini Bolach¹, Carlos Eduardo Campos Lanzi¹, Camilla Martins Ruiz¹, André Antunes da Silva¹, Bruno Henrique Santana Goís¹, Jessyka Carolina Bittencourt², Guilherme Dognani¹, Roger C. Hiorns³, Clarissa de Almeida Olivati¹, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente, ²FCT - Faculdade de Ciências e Tecnologia, Programa de Pós-Graduação em Ciência dos Materiais (POSMAT), Campus de Presidente Prudente - SP, ³IPREM CNRS-UMR 5254, Pau university
- 17:45 Kinetic study of the curing reaction from polymer formulations used in industrial sensors U.P1.4**
José Wilson Palma¹, Maria Elena Leyva¹, Alvaro Antonio Alencar de Queiroz¹;
¹Universidade Federal de Itajubá
- 17:45 University Chapter NanoMaterials: Researchers in Presidente Prudente - SP U.P1.5**
Aline Santos¹, Neri Alves¹, Ana Maria Pires¹, Deuber Lincon da Silva Agostini¹, Clarissa de Almeida Olivati¹, Agda Eunice de Souza¹; ¹Universidade Estadual Paulista - Campus de Presidente Prudente
- 17:45 Properties analysis of the self-compacting concrete with fly ash U.P1.6**
Adilson Schackow¹, Decio Marcon Neto¹, Daniel Estevão Bonifácio¹, Carmeane Effting¹; ¹Fundação Universidade do Estado de Santa Catarina
- 17:45 The solvent polarity dependence of the polymorphism in stearic acid U.P1.7**
Luiz Fernando Lobato Silva¹, Francisco Ferreira de Sousa², Gardênia Pinheiro³, Waldomiro Paschoal¹, Paulo de Tarso Cavalcante Freire⁴, Josue Mendes Filho⁴, Sanclayton Moreira¹; ¹Universidade Federal do Pará, ²Universidade Federal do Sul e Sudeste do Pará, ³Federal University of Piaui, ⁴Universidade Federal do Ceará
- 17:45 Study of radial failure mode (birdcaging) on flexible pipes steel layer U.P1.8**
Lucio Carlos Pinto Rangel¹, Luiz Carlos da Silva Nunes¹; ¹Universidade Federal Fluminense
- 17:45 Influence of the simultaneous addition of polypropylene and steel fibers in cementitious composite light permeability. U.P1.9**
Tarcísio Santiago Gomes Filho¹, Antônio Eduardo Martinelli¹, Marcus Antônio de Freitas Melo¹, Filipe Johnatan Martins Dantas Costa¹; ¹Universidade Federal do Rio Grande do Norte
- 17:45 Microstructural and mechanical analysis of CA-50 rebars in different heat treatments states. U.P1.10**
Ana Larissa Melo Feitosa¹, Marcelo José Gomes da Silva¹, Emmanuel de Sousa Almeida¹, Giovani Gonçalves Ribamar¹; ¹Universidade Federal do Ceará
- 17:45 Electrical properties of nanofibers electrospun of polypyrrole with poly(vinylidene fluoride) U.P1.11**
André Antunes da Silva¹, Bruno Henrique Santana Goís¹, Jessyka Carolina Bittencourt¹, Guilherme Dognani¹, Angela Priscila Pelegrini Bolach¹, Camilla Martins Ruiz¹, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente

- 17:45 Rheology in the undergraduation program: Federal Technological University of Paraná** **U.P1.12**
 Delia do Carmo Vieira¹, Rebecca Abreu Nascimento¹, Felipe Ferreira Lopes¹, Otávio Vilaça Mesquita¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Rheology: an area of interdisciplinary research** **U.P1.13**
 Delia do Carmo Vieira¹, Otávio Vilaça Mesquita¹, Rebecca Abreu Nascimento¹, Felipe Ferreira Lopes¹, Felipe Barros Laraz¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 The University Chapter of Ouro Preto - UCHOP** **U.P1.14**
Marcella Rocha Franco¹, Alana Fernandes Golin¹, Guilherme Mendes Martins¹; ¹Universidade Federal de Ouro Preto
- 17:45 Study of morphological and electrical properties of nanofibers PVA/PEDOT:PSS produced by electrospinning** **U.P1.15**
Bruno Henrique Santana Goís¹, Jessyka Carolina Bittencourt¹, André Antunes da Silva¹, Camilla Martins Ruiz¹, Guilherme Dognani¹, Angela Priscila Pelegrini Bolach¹, Deuber Lincon da Silva Agostini¹; ¹FCT-UNESP Campus de Presidente Prudente

SYMPOSIUM V - Sustainable development of materials for advanced energy and electronics, extractive materials and transportation products

Symposium organizers:

Peter William Bryant (*IBM*)
Rodrigo Fernando Bianchi (*UFOP*)
Rodrigo Neumann Barros Ferreira (*IBM*)
Roberto Mendonça Faria (*USP*)
Ronaldo Giro (*IBM*)

Wednesday, September 28th

Oral presentations

* Invited Lecture

SESSION V.OR1 (14:00 - 16:15) - Room Carvalho III

- 14:00 Sustainable development of science, technology, and education in materials for regional and global needs** V.OR1.1*
Robert P.H. Chang¹; ¹Northwestern University
- 14:20 Sustainable Materials on the front edge of Innovation** V.OR1.2*
Rodrigo Ferrão de Paiva Martins^{1,2}, Elvira Maria Correia Fortunato^{1,3,2}; ¹Centro de Investigação em Materiais do Instituto de Nanofabricação, Nanomateriais e Nanomodelação, ²Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, ³Centro de Excelencia em Microelectrónica e Optoelectrónica de Processos do Instituto de Novas Tecnologias
- 14:40 Projects related to Enviromental Sustentability in devolpment at FIT** V.OR1.3*
Paula Ruhnke Valério¹; ¹Flextronics Instituto de Tecnologia

Poster presentations

SESSION V.P1 (17:45 - 19:30)

- 17:45 On the assessment of dye retention in quartz-based ceramic porous material by optical fiber sensor** V.P1.1
Marco César Soares¹, Murilo Ferreira Marques Santos¹, Egont Alexandre Schenkel¹, Antônia Alana Lima Pacheco¹, Beatriz Ferreira Mendes¹, Eric Fujiwara¹, Carlos K. Suzuki¹; ¹Universidade Estadual de Campinas
- 17:45 Study of the partial replacement of stone dust by ballon powder in precast concrete blocks** V.P1.2
Amanda Martins Fernandes¹, Jaqueline de Assis Oliveira², Alisson Alves², Leonardo Lúcio de Araújo Gouveia², Carlos Augusto de Souza Oliveira¹, Ricardo Luiz Perez Teixeira¹; ¹Universidade Federal de Itajubá, ²Universidade do Estado de Minas Gerais
- 17:45 Development of unburned bricks with additions of rice husk ash and lime** V.P1.3
Felipe da Silva Barros¹, Miguel Angel Ramírez Gil¹; ¹Universidade Estadual Paulista "Júlio de Mesquita Filho"
- 17:45 Effects of Environmental Aging in Polypropylene Obtained by Injection Molding** V.P1.4
Rebeca da Silva Grecco Romano¹, Washington Luiz Oliani¹, Duclerc Fernandes Parra¹, Ademar Benévolo Lugão¹; ¹Instituto de Pesquisas Energéticas e Nucleares

- 17:45 Tensile strength of recycled ABS composite reinforced with jute fiber fabric** **V.P1.5**
Meire Noriko Hosokawa¹, Jane Maria Faulstich de Paiva¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 Synthesis of polyurethane composites based on acetylated cellulose and magnetic nanoparticles for sorption of mineral oil** **V.P1.6**
Mariana Moraes Góes¹, Gizilene Maria de Carvalho¹; ¹Universidade Estadual de Londrina
- 17:45 Recycling Zinc from spent Zn-MnO₂ batteries as galvanic protection for AISI 1020 carbon steel in chloride solution.** **V.P1.7**
Pedro Vitor Dixini¹, Andressa Meireles David¹, Beatriz Belotti Carvalho¹, Carlos Eduardo Tartaglia Bruzeguini¹, Vinicius Guilherme Celante¹, Vitor Cezar Broetto Pegoretti², Marcos Benedito Jose de Freitas²; ¹Instituto Federal de Educação, Ciência e Tecnologia do Espírito Santo, ²Universidade Federal do Espírito Santo
- 17:45 Fabrication of microporous films of cellulose triacetate using the breath figure technique** **V.P1.8**
Fernanda Nardo Cobo¹, Paula Cristina Faria-Tischer¹, Gizilene Maria de Carvalho¹; ¹Universidade Estadual de Londrina
- 17:45 Tensile mechanical behavior of hybrid composites of jute/glass fiber in different ply orientation** **V.P1.9**
Jose Leandro Alves¹, Jane Maria Faulstich de Paiva¹; ¹Universidade Federal de São Carlos - campus Sorocaba
- 17:45 A study on flame retardant polyurethane composites** **V.P1.10**
Rachel Faverzani Magnago¹, Heloisa Regina Turatti Silva¹, Paola Egert Ortiz¹, Victor Leibnitz Hipólito¹, Mayara de Brito Dias¹, Diego Valdevino Marques¹; ¹Universidade do Sul de Santa Catarina
- 17:45 Comparison of different methods for determining the work hardening coefficient of recycled aluminum cans components** **V.P1.11**
Daniele dos Reis Soares¹, Gianfranco de Mello Stieven¹, José Augusto França Rodrigues¹, Antonio Luciano Seabra Moreira¹, Maria Adrina Paixão de Sousa da Silva¹; ¹Universidade Federal do Pará
- 17:45 Treatment evaluation thermal spheroidizing in steel ASTM A106 submitted to wear tests erosive** **V.P1.12**
Hector Amaro Virginia¹, Marcio Roberto da Rocha², Angela Beatriz Coelho Arnt¹, Gabrieli Borges Ugioni¹, Ariel Teixeira¹, Ronaldo Veronês do Nascimento¹; ¹Universidade do Extremo Sul Catarinense, ²Universidade Federal de Santa Catarina
- 17:45 Structural Evaluation of Fuller Earth Contaminated With Insulating Oil after photo Fenton Treatment** **V.P1.13**
Eduardo Oliveira Rodrigues¹, Milady R. Apolinário Silva², Flávio Soares Silva², Marcia M Kondo², Rossano Gimenes²; ¹INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO SUL DE MINAS GERAIS CAMPUS INCONFIDENTES, ²Universidade Federal de Itajubá
- 17:45 Composite of recycled carbon fiber and polypropylene** **V.P1.14**
Denise Hirayama¹, Antônio Carlos Ancelotti¹, Clodoaldo Saron², Edson Cocchieri Botelho³; ¹Universidade Federal de Itajubá, ²Escola de Engenharia de Lorena/USP, ³Universidade Estadual Paulista-Campus de Guaratinguetá

- 17:45 Synthesis and characterization of a derivative of pectin for studies on phenomenon metals sorption** **V.P1.15**
Ana Paula Reis Santana¹, Mario Henrique Gonzalez¹, Marcelo de Freitas Lima¹;
¹UNESP - Instituto de Biologia, Letras e Ciências Exatas de São José do Rio Preto
- 17:45 Influence of the dissolution time of silica from RHA on the mechanical performance of geopolymers** **V.P1.16**
Conrado Game Saldeira¹, Luiz Flávio Reis Fernandes¹, Rodrigo Henrique Geraldo¹, Felipe Silva Pontes¹, Aline Souza Souza¹, Gladis Camarini¹;
¹Universidade Estadual de Campinas
- 17:45 Influence of Ca(OH)₂ on geopolymers properties** **V.P1.17**
Conrado Game Saldeira¹, Rodrigo Henrique Geraldo¹, Luiz Flávio Reis Fernandes¹, Aline Souza Souza¹, Gladis Camarini¹; ¹Universidade Estadual de Campinas
- 17:45 Bio-based carbon porous materials from integral use of kraft black liquor** **V.P1.18**
Gisele Amaral-Labat¹, Rodrigo Labat Marcos², Guilherme Frederico Bernardo Lenz e Silva¹; ¹Universidade de São Paulo, ²Universidade Nove de Julho
- 17:45 Analysis of the addition of a biopolymer in the mechanical properties of concrete** **V.P1.19**
Aurea Emanuelle Santos¹, Eder Couto Marinho¹, Manoel Martins Filho¹;
¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas
- 17:45 Biodegradable blends of Poly(lactic acid) and Poly(ε- caprolactone) toughening by non-reactive compatibilization - the influence of the compatibilizer content** **V.P1.20**
Paula do Patrocínio Dias¹, Marcelo Aparecido Chinelatto¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Influence of the citric acid and limonene in the incorporation blende PE / ATP** **V.P1.21**
Beatriz dos Santos Gonzalez¹, Larissa Nunes da Silva¹, Anderson Maia¹, Rondes Ferreira da Silva Torin¹; ¹Faculdade de Tecnologia de Mauá
- 17:45 Comparative analysis of mechanical properties of conventional concrete and concrete with crushed glass replacement** **V.P1.22**
Eder Couto Marinho¹, Aurea Emanuelle Santos²; ¹Instituto Federal de Educação, Ciência e Tecnologia de Alagoas, ²Instituto Federal De Alagoas
- 17:45 Green Polyethylene Reprocessing** **V.P1.23**
Juliana Nunes¹, Thalita Pereira da Silva¹, Rondes Ferreira da Silva Torin¹, Anderson Maia¹; ¹FACULDADE DE TECNOLOGIA
- 17:45 Characterization of the natural rubber from new clones of rubber tree: RRIM 711 and RRIM 937** **V.P1.24**
MAYCON JHONY SILVA^{1,2}, Erivaldo José Scaloppi Jr.³, Paulo S. Gonçalves^{4,3}, Maria Alice Martins², Luiz Henrique Capparelli Mattoso²;
¹Universidade Federal de São Carlos, ²Embrapa Instrumentação, ³Instituto Agrônômico, ⁴Empresa Brasileira de Pesquisa Agropecuária
- 17:45 Composite of Hevea brasiliensis resin reinforced with coir fibre: production raw material for use in building products** **V.P1.25**
Célia Regina da Costa¹, Zélia Maria Da Costa Ludwig²; ¹Politecnico di Milano, ²Universidade Federal de Juiz de Fora

- 17:45 Solid waste as an alternative for application in ceramic industry** V.P1.26
 Gildemberg Pereira de Barros Silva¹, José Geraldo de Souza Silva¹, Severino Jackson Guedes², Iêda Maria Garcia Santos², Maria Bandeira Barroso³, Silvana Garcia Viana⁴, Rosa Medeiros Marinho¹; ¹Universidade Regional do Cariri, ²Universidade Federal da Paraíba, ³Universidade Federal do Cariri, ⁴Instituto Federal da Bahia
- 17:45 Analysis of mechanical behavior and structural features composite polymeric with fiber juta** V.P1.28
Tamires Isabela Botelho¹, Jean Valdir Uchoa Teixeira¹, Fernanda Malato Praxedes¹, Vera Dias da Silva¹, Syme Regina Souza Queiroz¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Influence of temperature in the electrical conductivity of soybean oil, diesel and biodiesel** V.P1.29
 Simone Dos Santos Bittencourt¹, Fernanda de Almeida Melo¹, Anderson Rodrigues Lima Caires², José Ezequiel De Souza¹; ¹Fundação Universidade Federal da Grande Dourados, ²Universidade Federal de Mato Grosso do Sul
- 17:45 Poly(vinyl alcohol)-Chitosan blends obtained by different drying methods** V.P1.30
Rafael Grande¹, Antonio Jose Felix Carvalho¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Study for the viability of the production of L and U profiles with the use on composites reinforced by natural fibers** V.P1.31
Ailton da Silva Nascimento¹, César Tadeu Nasser Medeiros Branco¹, Edwillson Gonçalves de Oliveira Filho^{2,1}, Fábio Santos de Sousa^{2,1}, Jair Francisco Souza Magalhães¹, José Maria Braga Pinto¹, Luciano Monteiro Almeida¹, Roberto Tetsuo Fujiyama¹; ¹Universidade Federal do Pará, ²Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Preparation and mechanical characterization of TPS/Poly(vinyl alcohol)-co-ethylene blends** V.P1.32
Ana Clara Lancarovici Alves¹, Rafael Grande¹, Antonio Jose Felix Carvalho¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Miscibility of poly (hydroxybutyrate)/poly (vinyl alcohol) blends obtained by melt blending** V.P1.33
Deliane da Silva Cabral¹, Rafael Grande¹, Antonio Jose Felix Carvalho¹; ¹Escola de Engenharia de São Carlos/USP
- 17:45 Effects of nanoparticles, Al₂O₃-NiO, TiO₂ e (Mg,Ni)O, on viscosity of heavy oil during aquathermolysis** V.P1.34
 Ronal de la Cruz Parejas¹, Francisco José Moura¹, Roberto R de Avillez¹; ¹Pontifícia Universidade Católica do Rio de Janeiro
- 17:45 Development of epoxy/non-woven composites using waste of non-woven industry** V.P1.35
José Rodolfo Vieira Leite¹, Fabio Roberto Passador¹; ¹Universidade Federal de São Paulo - Campus São José dos Campos
- 17:45 Alkali activated binder made with RHA and concrete production's wastewater** V.P1.36
Aline Souza Souza¹, Conrado Game Saldeira¹, Luiz Flávio Reis Fernandes¹, Rodrigo Henrique Geraldo¹, Gladis Camarini¹; ¹Universidade Estadual de Campinas
- 17:45 Physical characterization of ecological bricks from the materials recyclable for sustainable structures** V.P1.37
Rebeca Delatore Simões¹, Maria Eunice Carvalho Tosello¹, Jader Géa Garcia¹, Patricia Alexandra Antunes¹; ¹Universidade do Oeste Paulista

- 17:45 Characterization of the addition of rice husk in gypsum plaster matrix via scanning electron microscopy V.P1.38**
Marcelo Manoel Valentim Bastos¹, Andreza Toledo¹, Rosinei Batista Ribeiro², Gilbert Silva¹, Adilson da Silva Mello¹; ¹Universidade Federal de Itajubá, ²Faculdades Integradas Teresa D'ávila
- 17:45 Mechanical Characterization of Polystyrene/Pine Wood Waste Composites V.P1.39**
DIEGO DAVID PINZÓN MORENO¹, Clodoaldo Saron¹; ¹Escola de Engenharia de Lorena/USP
- 17:45 Synthesis of alumina nanoparticles via proteic sol-gel using coconut water V.P1.40**
Danyela Carvalho, Vanessa Duarte Del Cacho¹; ¹Faculdade de Tecnologia de São Paulo
- 17:45 Life cycle assessment of fused alumina grains for sustainable grinding tools manufacturing V.P1.41**
Carlos Yujiro Shigue¹, Alexandre Dutra Golanda¹, Luis Henrique Chung Caravante¹, Katia Cristiane Gandolpho Candioto¹; ¹Universidade de São Paulo - Escola Engenharia Lorena
- 17:45 Thermal and morphological studies of palm cartridge waste for polymeric thermoset systems V.P1.42**
Maria Inez Graf de Miranda¹, Ricardo Martins de Martins¹, Luiz Carlos Robinson¹, Guilherme Brum da Luz¹, Clara Isméria Damiani Bica², Dimitrios Samios²; ¹Universidade Feevale, ²Universidade Federal do Rio Grande do Sul
- 17:45 Microstructural characterization and rheological properties of a clay mineral from southwest region of the Brazilian State of São Paulo for nanocomposites V.P1.43**
Delia do Carmo Vieira¹, Felipe Ferreira Lopes¹, Rebecca Abreu Nascimento¹; ¹Universidade Tecnológica Federal do Paraná
- 17:45 Influence of silica-magnesia systems synthesis conditions on silicates formation: characterization by thermal analysis and X-ray diffraction V.P1.44**
Silmara Furtado da Silva¹, Luiza Cardoso Cintra¹, Maria Letícia Murta Valle¹, Jo Dweck¹; ¹Universidade Federal do Rio de Janeiro - EQ
- 17:45 Fractography and failure mechanisms in CFRP tubes submitted to burst testing V.P1.45**
Raquel de Moraes Lobo¹, Aldison Diego Fonseca Dias¹, Gerson Marinucci¹, Arnaldo Homobono Paes de Andrade¹; ¹Instituto de Pesquisas Energéticas e Nucleares
- 17:45 Use of amazon fibers as reinforcement in polymer matrix composite V.P1.46**
Gabriel Mendes Hirayama Machado¹, Jean Valdir Uchoa Teixeira¹, Fernanda Malato Praxedes¹, Vera Lúcia Dias da Silva¹, Syme Regina Souza Queiroz¹; ¹Instituto Federal de Educação, Ciência e Tecnologia do Pará
- 17:45 Synthesis and characterization of 1,3 diethyl imidazole tetrafluoroborate aimed application as ionic liquid. V.P1.47**
Felipe Tadashi Kasuga¹, Alex Vieira Pedroso¹, Rodolfo Thiago Ferreira¹, Fábio Santana dos Santos¹, Gustavo Marciniuk¹, Marco Antonio Voinarovicz¹, Ariane Silva Ribas¹, Andressa Oliveira Rodrigues¹, Rodolfo Bonoto Estevam¹, Jarem Raul Garcia Garcia¹; ¹Universidade Estadual de Ponta Grossa
- 17:45 Incorporation of agroindustrial wastes in the fabrication of soda-lime silica glasses V.P1.48**
João Gustavo Cardoso Semensin¹, Vanessa Duarte Del Cacho¹; ¹Faculdade de Tecnologia de São Paulo

- 17:45 Study of rheological properties of blends of poly (vinyl alcohol) and chitosan by solution** **V.P1.49**
Renan Bovoloni Ruocco¹, Antonio Jose Felix Carvalho¹, Rafael Grande¹;
¹Escola de Engenharia de São Carlos/USP
- 17:45 Lignin as a renewable source for carbon fiber** **V.P1.50**
Kátia Santos Damacena Nunes¹, Luiz Claudio Pardini², Nilton Alves³; ¹Instituto Tecnológico de Aeronáutica, ²Instituto de Aeronáutica e Espaço, ³Quimlab Produtos de Química Fina Ltda

Thursday, September 29th

Oral presentations

* Invited Lecture

SESSION V.OR2 (08:30 - 10:15) - Room Carvalho III

- 08:30 More oil out of the ground: insights from multiscale molecular simulations** **V.OR2.5***
Caetano Rodrigues Miranda¹; ¹Instituto de Física-USP
- 09:00 Development of a geopolymer reinforced with amazon natural fiber** **V.OR2.6**
Paulo Cesar Reis Filho¹, Kaline Dantas Silva¹, Renata Lilian Portugal Fagury¹, Márcio Paulo de Araújo Mafra¹, Adriano Alves Rabelo¹, Elias Fagury Neto¹, Wirland Matheus de Melo Costa¹; ¹Universidade Federal do Sul e Sudeste do Pará
- 09:15 Appliation of new molecularly imprinted polymers (MIPs) for selective analysis of Ofloxacin** **V.OR2.7**
Sajjad Hussain¹, sabir khan²; ¹Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, ²Instituto de Química - IQ - Unesp - Araraquara
- 09:30 Hybrid nanocomposites of recycled polypropilene and nanodebris from construction industry** **V.OR2.8**
Katharina Rodrigues Malafaia Macedo¹, Sibeled Piedade Cestari¹, Luis Claudio Mendes¹, Léa Maria Lopes de Almeida¹; ¹Universidade Federal do Rio de Janeiro
- 09:45 Chemical and mechanical plaster characterization with different compositions of diatomaceous earth by electronic scanning microscopy** **V.OR2.9**
Isabella Batista Graça Grego¹, Adilson da Silva Mello¹, Rosinei Batista Ribeiro², Gilbert Silva¹; ¹Universidade Federal de Itajubá, ²Faculdades Integradas Teresa D'ávila

AUTHOR INDEX

| A | |
|----------------------------------|---|
| Aaron Christian | C.P1.77 |
| Aaron Jackson | M.OR3.8 |
| Abel Hurtado-Macias | F.OR6.19 |
| Abhishek Bhat | N.OR4.14 |
| Abner de Siervo | BATP, I.OR3.10, I.P1.1, I.P1.2 |
| Adalberto Fazio | A.OR3.12, A.OR3.6 |
| Adalberto Luiz Rosa | R.P2.84 |
| Adalberto Rosales Mendoza | J.P1.80 |
| Adalgisa Reis Mesquita | A.P2.100 |
| Adam Pikul | D.P1.1 |
| Adam Sieradzki | D.P1.1 |
| Adeilton Pereira Maciel | N.P1.53, N.P1.58 |
| Adelina Pinheiro Santos | A.OR6.23, A.P1.10, A.P1.14, A.P1.64, A.P2.128, R.P2.86 |
| Adelino de Aguiar Coelho | D.P1.30, D.P1.31, P.P1.1, P.P1.3 |
| Ademar Benévolo Lugão | A.P2.106, F.P1.15, F.P1.70, V.P1.4 |
| Ademir dos Anjos | A.P1.78, A.P1.79, A.P1.80 |
| Adenilson José Chiquito | L.P1.25, P.P2.95 |
| Adenilson Oliveira dos Santos | D.P1.2, J.P2.158, J.P2.159, P.P1.1, P.P1.3 |
| Adhimar Flávio Oliveira | A.P1.12, C.P1.40, E.P1.14, E.P1.50, F.P1.20, O.P1.14, O.P1.52 |
| Adilson Beatriz | J.P2.109 |
| Adilson da Silva Mello | V.OR2.9, V.P1.38 |
| Adilson J A de Oliveira | C.P1.56, P.P1.2 |
| Adilson Luiz Chinelatto | A.P1.29 |
| Adílson R. Prado | M.P1.34 |
| Adilson Schackow | U.P1.6 |
| Adilson Vitor Rodrigues | K.P1.34 |
| Adis S Dzunuzovic | A.P2.83 |
| Adjaci Fernandes Uchoa | Q.P1.2 |
| Ado Jorio | PS004.5 |
| Adolfo Franco Jr. | C.P1.15, C.P1.16, C.P1.38 |
| Adolfo Junior Franco | E.OR4.14 |
| Adolfo La Rosa-Toro Gómez | R.OR9.32 |
| Adonilson Reis Freitas | D.P1.15 |
| Adriana Alencar Santos | A.P2.107 |
| Adriana Blandon | F.P1.60 |
| ADRIANA CAMPOS | B.P1.26 |
| Adriana da Silva Santos Duarte | R.P1.50 |
| Adriana Franco Paes Leme | Q.OR2.5 |
| Adriana Madalena de Araújo Faria | L.P1.54 |
| Adriana Medeiros Gama | A.P1.5, A.P2.99, C.P1.21, J.P1.15, J.P1.19, J.P2.132, J.P2.94, P.P2.54 |
| Adriana Oliveira Delgado-Silva | B.P1.18, J.P1.81, J.P2.112, J.P2.153, R.P2.103 |
| Adriana Pavinatto | J.P2.130, J.P2.136, J.P2.137, J.P2.168 |
| Adriana Scoton Chinelatto | A.P1.29 |
| Adriana Silva de Albuquerque | F.P1.28, F.P1.61, R.P1.32 |
| Adriana Zatti Lima | S.P1.7 |
| Adriano Alves Rabelo | V.OR2.6 |
| Adriano Cássio Baldim | K.P1.57 |
| Adriano dos Santos Marques | O.P1.47 |
| Adriano F. Feil | F.P1.74, J.P2.123, J.P2.150, N.P1.26 |
| Adriano Gonçalves dos Reis | J.P1.4, J.P1.7 |
| Adriano J. G. Otuka | L.OR1.3, L.OR3.11, M.OR6.19 |
| Adriano Luis De Paula | A.P1.1, A.P2.94, C.P1.21 |
| Adriano Luiz de Queiroz | B2J6, B2XW, R.P1.8 |
| Adriano Marim Oliveira | C.P1.58 |
| Adriano Moehlecke | J.P1.12 |
| Adriano Rodrigues Azzoni | R.P2.83 |
| Adriel Bortolin | Q.P1.21 |
| Adrielli Cristina Peres Silva | J.P1.23 |
| Adriel souza | K.P2.114 |
| Adryelle do Nascimento | R.P3.157 |
| Arantes | |
| Afonso Chimanski | R.P3.174, S.P1.6 |
| Agamenon Lima do Vale | N.P1.5 |
| Ágata Mayara Paula Pontes | K.P2.87 |
| Agatha Matsumoto | O.P1.36, O.P1.37 |
| Agda Eunice de Souza | A.P1.43, E.P1.21, E.P1.43, O.P1.61, U.P1.5 |
| Agnes Nascimento Simões | A.OR2.4 |
| Aginaldo Robinson de Souza | H.P1.13, H.P1.2, R.P3.130 |
| Agustin Silvio Picco | R.P2.115 |

| | | | |
|--------------------------------------|--|-----------------------------------|--|
| Ahmad T. Kabbani | A.OR3.10 | Alejandro Junior Aranda | N.OR5.18 |
| AHMET HIKMET UCISIK | R.OR9.30 | Aguirre | |
| Ailton da Silva Ferreira | D.P1.27 | Alejandro V. Silhanek | C.OR6.21 |
| Ailton da Silva Nascimento | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, V.P1.31 | Aleksandr S. Rodin | H.OR2.4 |
| Ailton Garcia Junior | N.OR6.21 | Aleksey E Kuznetsov | H.OR4.19 |
| Aimé Peláiz Barranco | P.P2.83 | Alessandra Cremasco | K.OR3.7, P.P1.9 |
| Aislan Douglas Machado | L.P2.128 | Alessandra de Almeida Lucas | J.P2.87 |
| Aitor Mugarza | A.OR6.25 | Alessandra Luzia Da Róz | P.P2.96 |
| A. K. Nigam | C.OR6.23 | Alessandra Stacchini | L.P1.37 |
| Alaide Braga de Oliveira | R.P1.8 | Menandro | |
| Alain Polian | D.P1.26, D.P1.3 | Alessandra Zenatti | C.P1.65 |
| Alain Robin | J.P2.125 | Alessandro Francisco Martins | R.P2.59, R.P3.192 |
| Alana Fernandes Golin | L.P2.108, U.P1.14 | Alessandro Henrique de Lima | H.OR3.7 |
| Alan de Melo Antunes | R.P2.66 | Alessandro Lopes Alves | L.P2.81 |
| Alan John Duarte de Freitas | L.P1.27 | Alexander Baev | L.P2.130 |
| Alan Silva de Menezes | C.P1.3, C.P1.30, C.P1.35, C.P1.36, C.P1.4, C.P1.5 | Alexander B. Dinitzen | G.P1.5 |
| Alberico Borges Ferreira da Silva | N.P1.40 | Alexander Caytuero Villegas | A.P2.151 |
| Alberthmeiry Teixeira de Figueiredo | F.P1.21, J.P1.70 | Alexander Eggeman | F.P1.6 |
| Alberto Adriano Cavalheiro | A.P1.78, A.P1.79, A.P1.80, A.P2.81 | Alexander Flacker | A.P1.52, N.OR3.12 |
| Alberto Caneiro | E.OR1.3 | Alexandra Carvalho | H.OR2.4 |
| ALBERTO JOSÉ FARO DE ORLANDO | E.P1.23 | Alexandre Alberto Chaves Cotta | C.P1.44, R.P1.15, R.P1.16 |
| Alberto Moreira Jorge Junior | K.OR3.10, P.P1.8 | Alexandre Amaral Leitão | H.OR1.3, H.OR4.16, H.P1.1, H.P1.21, H.P1.22, H.P1.3, H.P1.5, H.P1.6, H.P1.9, N.OR3.13 |
| Alberto Salleo | L.OR6.24 | Alexandre Aumiller | J.OR3.14 |
| Alberto Tannús | S.P1.28 | Alexandre Camilo Junior | I.P1.12, N.P1.14, N.P1.33, P.P1.14, P.P1.16 |
| Albert Sánchez Laforet | EXP2.3 | Alexandre Cestari | J.P1.27 |
| Alceu Totti Silveira Junior | J.P2.114 | Alexandre Cunha Machado | F.P1.32, F.P1.53 |
| Alcides Lopes Leão | B.P1.31, B.P1.32 | Alexandre de Castro Maciel | L.OR2.6, L.P2.111, L.P2.91 |
| Aldeliane Maria da Silva | N.P1.44 | Alexandre de Oliveira Jorgetto | J.P1.23 |
| Aldison Diego Fonseca Dias | V.P1.45 | Alexandre de Resende Camara | M.OR5.16 |
| Aldo Eloizo Job | A.P1.43, F.P1.2, M.P1.21, R.P1.24, R.P2.64 | Alexandre Dutra Golanda | V.P1.41 |
| Aldo Felix Craievich | Mem.1 | Alexandre Fassini Michels | J.P1.12, J.P1.59 |
| Aldo J.G. Zarbin | A.P2.134, A.P2.136, L.P2.85, O.P1.33, O.P1.51 | Alexandre Flauzino Junior | S.P1.18 |
| Aldoni Gabriel Wiedenhoft | K.OR2.4 | Alexandre Fontes da Fonseca | H.P1.12 |
| Aldo Peña Ramírez | M.OR5.15 | Alexandre Gonçalves Dal Bó | L.P2.125 |
| Aleandro Ribeiro Marquesi | J.P1.58 | Alexandre Guilherme Silva Tavares | P.P2.67 |
| Aleffe Bruno Schura | L.P1.56 | Alexandre Guimarães Brolo | J.P2.144 |
| Alejandra Hortencia Miranda González | S.P1.26 | Alexandre José Gualdi | P.P1.2 |
| Alejandro Crespo Sosa | M.OR5.15 | Alexandre Lopes | O.P1.17 |
| Alejandro Cristians Rios Cuadros | F.OR6.18 | Alexandre Magnus Gomes | D.P1.30, D.P1.31 |
| | | Carvalho | |
| | | Alexandre Malta Rossi | F.OR3.8, R.P2.108 |
| | | Alexandre Margarido | F.P1.56 |

| | | | |
|---|---|-----------------------------------|---|
| Alexandre Marletta | B2J6, B2XW, B46E, F.P1.38, L.P1.36, L.P1.52, L.P1.56, L.P2.78, R.P1.8, R.P3.157 | Alice Gonçalves Osorio | A.P2.93 |
| Alexandre Martins Santos | Q.P1.2, R.P2.65 | Alice Ruini | H.OR4.14 |
| Alexandre Mesquita | C.P1.57, F.P1.29, F.P1.36, F.P1.49, M.P1.26 | Alice Zanforlin Benedetti | A.P1.24 |
| Alexandre Neves Ribeiro | K.P1.47, K.P1.48 | Alicia Elizabeth Chávez Guajardo | J.P2.115, R.P2.121, R.P2.70, R.P3.186 |
| Alexandre Nogueira Ottoboni Dias | K.P1.2, K.P1.3, K.P1.38, K.P2.64, K.P2.83 | Alicia María Oliver y Gutiérrez | M.OR5.15 |
| Alexandre Oliveira Gomes | F.OR4.13, F.P1.41 | ALICYA SOUZA ABDALA | N.P1.53 |
| Alexandre Pancotti | I.OR3.10, I.P1.1, R.OR8.29 | Ali Francisco Garcia Flores | B6YF |
| Alexandre Silva Mello | F.OR3.8 | Aline Aparecida Becaro | B.P1.11 |
| Alexandre S. M. Galvão Carvalho | P.P2.56, P.P2.59 | Aline Barrios Trench | P.P2.65 |
| Alexandre Soares Leal | R.P1.16, R.P1.17, R.P2.69 | Aline Bruna da Silva | J.P2.107 |
| Alexandre Urbano | P.P1.18 | Aline Câmara de Oliveira | L.P1.42 |
| Alexandre Z. Simões | A.P2.81, A.P2.84 | Aline Capella de Oliveira | I.OR4.15 |
| Alex Antonelli | H.P1.19 | Aline Castilho Rodrigues | A.P1.1, P.P2.66, P.P2.68 |
| Alexei Mikhailovich Essiptchouk | J.OR3.12, J.P1.62, J.P2.163 | Aline Chiodi Borges | R.P2.80, R.P3.156 |
| Alexey Barinov | B2DY | Aline Cristiane Pan | O.P1.42, O.P1.43 |
| Alexey V Pan | C.P1.51 | Aline da Silva | B6RV, K.P1.3, K.P1.51, K.P1.54 |
| Alex Fabiano Cortez Campos | C.P1.17, J.P2.145 | Aline Evangelista Aguiar | R.P3.184 |
| Alex G. Roca | C.OR3.6 | Aline Fontana Batista | A.P1.1, A.P2.94, C.P1.21, J.P2.132 |
| Alex Henrique Miller | P.P1.30 | Aline Furtado Oliveira | R.P2.125, R.P3.187 |
| alex matos da silva costa | K.OR3.11 | Aline Geice Vitor Silva | I.P1.5 |
| Alex Otávio Sanches | A.P1.27, A.P1.33, B.P1.13 | Aline Santos | L.P2.106, L.P2.112, L.P2.136, U.P1.5 |
| Alexsander Lourenço Pessoa | C.P1.13 | Aline Silva | K.P2.64 |
| Alexsandro dos Santos Evangelista da Cruz | C.P1.53 | Aline Souza Souza | V.P1.16, V.P1.17, V.P1.36 |
| Alex Siemiarczuk | F.P1.23 | Aline Vaz de Souza | J.P2.108 |
| Alex Silva Paula | I.P1.16, R.P1.29 | Alinne Damasia Martins Gomes | R.P2.75 |
| Alex Treviso | I.OR4.16 | Alisson Alves | V.P1.2 |
| Alex Vieira Pedroso | A.P2.150, V.P1.47 | Alisson de Jesus Santana | L.P1.61 |
| Alex Vinicius Souza Araújo | F.P1.75, O.P1.56 | Alisson Frank Canuto Brandão | P.P1.7 |
| Alfonso Muñoz | D.OR2.5 | Alisson Prodócimo | I.P1.28 |
| Alfred Gold | N.P1.31 | Alisson Ronieri Cadore | M.P1.41 |
| Alfredo Bruger Junior | A.P2.113 | Almir Oliveira Neto | P.P1.41 |
| Alfredo de la Escosura-Muñiz | L.P1.17 | Almir Spinelli | J.P1.11 |
| Alfredo Duarte | P.P1.12, P.P1.13 | A. L. Pinto | F.P1.72 |
| Alfredo Gontijo de Oliveira | P.P1.45 | Altair Soria Pereira | D.OR3.7, D.OR4.8, D.P1.22, D.P1.23, D.P1.27 |
| Alfredo R. M. de Oliveira | L.OR7.28 | Aluisio de Andrade | L.P1.21 |
| Alfredo Segura | D.P1.25 | Bartolomeu | |
| Alfredo Sena | B.OR3.7, B.P1.26 | Alvaro Alencar Queiroz | R.P3.191 |
| Alfredo Tiburcio Nunes Pires | B.P1.6, J.P1.11 | Alvaro Antonio Alencar de Queiroz | S.P1.18, U.P1.4 |
| Alfredo Vaz | A.OR9.31 | Álvaro Ferreira Monteiro | L.P1.14 |
| | | Alvaro Herrera | D.P1.7 |
| | | Alvaro Roberto Martins | J.P1.5, J.P2.138 |
| | | Alzir Azevedo Batista | L.P1.53, L.P1.55 |

| | | | |
|---|--|---------------------------------|---|
| Amado Cabo | J.P1.16 | Ana Carolina Ferreira de Brito | L.P1.47 |
| Amanda Akemy Komorizono | K.P2.85 | Ana Carolina Figueiredo Prado | J.P2.87 |
| Amanda Carvalho Pereira | R.P3.191 | Ana Carolina Floriano | L.P1.50 |
| Amanda Cristina Medeiros da Silva | E.P1.19 | Ana Carolina Mazarin de Moraes | A.P2.132 |
| Amanda da Costa e Silva de Noronha Pessoa | R.P2.92, R.P3.190 | Ana Carolina Ribeiro Figueiredo | F.P1.65 |
| Amanda de Jesus Clemente | R.P2.69 | Ana Carolina Rodrigues | M.P1.15 |
| Amanda Delvizio Pereira | K.P2.108 | Ana Carolina Rodrigues Ribeiro | J.P2.166 |
| Amanda Estela de Lima | N.P1.19 | Ana Carolina S. A. Rezende | I.P1.1 |
| Amanda Ferreira Costa | Q.P1.3 | Ana Celeste Ximenes Oliveira | R.P2.97 |
| Amanda Gomes Marcelino Perez | R.P1.39, R.P2.126 | Ana Champi | A.P1.2, A.P1.7, A.P2.141, A.P2.141 |
| Amanda Martins Fernandes | V.P1.2 | Ana Clara Lancarovici Alves | V.P1.32 |
| Amanda Natalina de Faria | R.P2.77 | Ana Cláudia Batista Almeida | L.OR7.26 |
| Amanda Pires Nogueira de Souza | J.P1.52, J.P1.53 | Ana Claudia Costa Oliveira | J.P1.41 |
| Amanda P. M. P. Alcantara | R.P1.33 | Ana Cláudia Queiroz Ladeira | A.P1.64 |
| Amanda Ramos Melo | B.P1.34 | Ana Clecia Santos de Alcântara | R.P2.128 |
| Amanda Robau Porrua | A.P2.143 | Ana Cugler Moreira | P.P1.4 |
| Amanda Santos de Lima | I.P1.7, J.P1.77, J.P2.156, R.P2.101, R.P2.102, R.P2.106 | Ana Elisa da Silva Dias | A.P2.118 |
| Amanda Watanabe Paraguassú | C.P1.54 | Ana Fabíola Leite Almeida | O.P1.53 |
| Amar S. Bhalla | E.P1.25 | Ana Flávia Nogueira | M.OR4.9, M.OR6.20, M.P1.16, O.OR3.7, O.OR4.12, O.OR4.16, O.P1.10, O.P1.13, O.P1.32, O.P1.34, O.P1.41, O.P1.45, O.P1.46, O.P1.47, O.P1.58, O.P1.6, O.P1.7, P.P2.76, P.P2.80, P.P2.90 |
| AMAURI GARCIA | K.OR3.12, K.OR3.13, K.OR3.14, K.P1.10, K.P1.28, K.P1.29, K.P1.34, K.P1.39, K.P2.122, K.P2.82 | Ana Flávia Suzana | K.OR4.19 |
| Amauri Jardim de Paula | F.P1.59 | Ana Gabriela de Freitas Barbosa | M.P1.19 |
| Amedea Barozzi Seabra | Q.OR1.2, R.OR1.3 | Ana Gabrielle Impere | C.P1.21 |
| Amelie Rochet | F.P1.48 | Ana Garcias Mestre | L.OR4.13 |
| Américo Sheitiro Tabata | N.P1.35 | Ana Graci Brito-Madurro | I.P1.14 |
| Amilton Martins Santos | R.P3.144, R.P3.145, R.P3.147 | Ana Júlia Tertuliano | E.OR1.2 |
| Amrita Masurkar Masurkar | L.OR3.9 | Ana L. A. Ribeiro | C.P1.9 |
| Ana Amélia Rodrigues | R.P1.39 | Ana Larissa Melo Feitosa | U.P1.10 |
| Ana Angélica MARTINS COSTA | R.P3.191 | Ana Laura Curcio | F.P1.29 |
| Ana Augusta Mendonça Oliveira | C.P1.27 | Ana Laura Elías | A.P2.134 |
| Ana Beatriz Ferreira Vitoreti | O.P1.22 | Ana Laura Rueda | K.P1.40 |
| Ana Candida Martins Rodrigues | P.OR3.8, P.P1.17, P.P2.94 | Ana lucia do Amaral Escada | R.P2.114, R.P2.72 |
| Ana Carla Kawazoe Sato | R.P3.173, R.P3.179 | Ana Lúcia Ferreira | F.P1.43 |
| Ana Carolina Boacina de Freitas | J.P1.70 | Ana Luisa Amadeu Ribeiro | C.P1.11 |
| Ana Carolina Corrêa | B.P1.22, B.P1.26, Q.P1.15, Q.P1.25, Q.P1.8 | Ana Luísa Lage | J.OR2.4, O.P1.30 |
| Ana Carolina Duarte Duarte | I.P1.33, J.P1.35 | Ana Luiza Silvestre Assis | A.P1.28 |
| | | Ana M. A. Lieberatore | R.OR6.22 |

| | | | |
|---------------------------------|--|-----------------------------------|--|
| Ana Maria de Guzzi Plepis | R.P2.99 | Anderson Gabriel Marques da Silva | R.P3.158 |
| Ana Maria do Espirito Santo | R.P3.142 | Anderson Hoff | P.P1.47 |
| Ana Maria do Espírito Santo | E.P1.54 | Anderson Janotti | H.OR1.1 |
| Ana Maria Ferrari Lima | J.P1.30 | Anderson Kenji Okasaki | N.P1.12, N.P1.43, N.P1.8 |
| Ana Maria Marques | F.P1.74 | Anderson Maia | F.P1.24, F.P1.25, F.P1.8, V.P1.21, V.P1.23 |
| Ana Maria Matildes dos Santos | P.P1.7 | Anderson Nogueira Mendes | R.P1.45 |
| Ana Maria Minarelli Gaspar | R.P3.169, R.P3.170 | Anderson Oliveira Lobo | R.P1.43, R.P2.107, R.P2.118, R.P2.122, R.P3.142, R.P3.181 |
| Ana Maria Pires | U.P1.5 | Anderson Orzari Ribeiro | K.P2.86, T.P1.1 |
| Ana Maria Rocco | L.P1.14, P.P1.37, P.P2.56, P.P2.59 | Anderson Rodrigues Lima Caires | V.P1.29 |
| Ana Maria Rocha Senos | K.P1.59 | Anderson Rodrigues Teixeira | F.P1.12, F.P1.13 |
| Ana Maria Segadães | D.P1.19 | Anderson Thesing | M.OR2.5, M.OR2.6, M.P1.25 |
| Ana Maria Valencia | A.OR3.11 | Andréa Arruda Martins Shimojo | R.P1.39, R.P2.126 |
| Ana Pacheli Heitmann Rodrigues | F.P1.27, F.P1.55 | Andrea Boldarini Couto | A.P1.59, A.P2.130, P.P2.51, P.P2.52 |
| Ana Paula Alves Favareto | R.P2.104 | Andréa Cristiane Krause Bierhalz | S.P1.5 |
| Ana Paula da Rocha Pissurno | L.P2.104, R.P3.189 | Andrea D Bianchi | C.OR1.1 |
| Ana Paula de Azevedo Marques | A.P1.75, J.P2.120, N.P1.15, N.P1.24, N.P1.59 | Andrea Ferretti | H.OR2.5, H.OR4.14 |
| Ana Paula de Moura | A.P1.73, A.P1.74, N.P1.2 | Andrea Gomes Campos Bianchi | L.P1.54, U.OR3.7, U.OR3.7 |
| Ana Paula dos Reis Weitzel | R.P1.51, R.P2.87 | André Alexandre Vieira | L.P1.52 |
| Ana Paula Duarte Pereira | R.P3.190 | André Alves Ferreira | B6WQ |
| Ana Paula Figueiredo Monteiro | R.P1.20 | André Antunes da Silva | L.P1.26, L.P1.28, L.P1.60, L.P1.63, U.P1.11, U.P1.15, U.P1.3 |
| Ana Paula Nogueira Alves | J.P2.105 | André Araujo Parussulo | O.P1.1 |
| Ana Paula Pereira Alves | P.P2.55 | Andrea Santos Liu | J.P1.19, J.P1.39 |
| Ana Paula Ramos | R.P1.36, R.P2.77, S.P1.9 | Andreas Eichler | D.OR4.10 |
| Ana Paula Reis Santana | V.P1.15 | Andrea Simone Stucchi de Camargo | M.P1.14, M.P1.33 |
| Ana Paula Ribeiro Povinelli | B4GN, R.P1.29, R.P1.46 | Andreas Reyer | F.P1.38, F.P1.69 |
| Ana Paula Rosifini Alves Claro | R.P1.49, R.P2.100, R.P2.105, R.P2.110, R.P2.114, R.P2.72, R.P2.94, R.P2.96 | Andreas Schmid | O.OR3.6 |
| Ana Paula Silva Oliveira | R.P2.57 | André Ben-Hur da Silva Figueiredo | A.P1.34 |
| Ana Pimentel | B.P1.19, B.P1.20, B.P1.25 | André Capaldo Amaral | B.P1.7 |
| Ana Raquel Benetti | B6RQ | André Contin | J.P1.43, J.P1.6, K.P1.36 |
| Ana Rosa Ribeiro | U.OR3.6 | andre cruz maciel | K.P2.114 |
| Ana Sofia C. M. D'Oliveira | J.OR4.17, K.P2.102 | Andre Esteves Nogueira | A.P1.70, J.P1.79, P.P2.78 |
| Anders Hagfeldt | PS007.8 | André Felipe Oliveira | C.P1.55 |
| Anderson A. Felix | E.OR6.18 | André Felipe Ribeiro Moreira | I.OR4.15 |
| Anderson Braun | P.P1.27 | André Felipe Vale da Fonseca | O.P1.24 |
| Anderson de Farias Pereira | F.P1.17 | | |
| Anderson Espirito Santo Pereira | Q.P1.4 | | |
| Anderson Felix Manoel | B.OR3.7, B.P1.4 | | |
| Anderson Fiamingo | R.OR6.21, R.P3.183 | | |
| Anderson Fuzer Mesquita | A.P1.62 | | |

| | | | |
|--------------------------------|--|----------------------------------|--|
| André Ferrarese | IN.3 | Andressa Ribeiro Pereira | L.P1.2, L.P1.4 |
| Andre Ferreira Sardinha | P.P2.51 | Andressa Rodrigues | J.P1.14 |
| André Fontoura Ponchet | N.OR3.12 | Andressa Silva Gomes | R.P1.24, R.P2.64 |
| André Galembeck | S.P1.20 | Andressa Trentin | J.OR5.18, J.P1.76 |
| André Gonzaga Santos | R.P3.180 | Andressa V. Müller | O.P1.3 |
| André Gustavo de Sousa Galdino | K.P2.91 | Andre Strydom | D.OR4.10 |
| Andre Hernandes Alves Malavazi | S.P1.27 | André Vitor Chaves de Andrade | N.P1.45 |
| Andréia Araujo | B.P1.19, B.P1.20, B.P1.25 | Andrew A.R. Watt | M.OR3.7 |
| Andreia Cardoso Pereira | J.P2.158 | Andrew M Telford | L.OR2.6, L.P2.111 |
| Andreia Cavalcante Lima | C.P1.31 | Andrey Coatrini Soares | L.P1.5, L.P1.59, L.P1.7, L.P1.8 |
| Andreia de Morais | O.P1.6, P.P2.90 | Andrey Prokofiev | D.OR4.10 |
| Andréia Fernandes da Silva | D.OR4.8, D.P1.30, D.P1.4, D.P1.5 | Andreza de Sousa Andrada | S.P1.11 |
| Andreia Ferreira Cobianchi | J.P2.131 | Andreza Toledo | V.P1.38 |
| Andrei Alaferdov | A.OR9.31 | Ane Cheila Rovani | J.OR3.8 |
| André L.F. Cauduro | O.OR3.6 | Anelise C.O.C. Doria | J.P2.169 |
| Andre Linden | EXP6.12 | Anelise Simões Sampaio | R.P2.124 |
| André Linhares Rossi | F.OR3.8 | Anerise de Barros | L.P2.132 |
| André L Oestereich | C.P1.10 | Ângela Albuquerque Teixeira Neto | F.OR1.2, F.OR1.3 |
| André Lopes Carvalho | L.P1.10, L.P1.5, L.P1.59, L.P1.7, L.P1.8 | Angela Burlamaqui Klautau | C.OR4.12 |
| André Luis de Jesus Pereira | D.OR2.5, N.P1.18, O.P1.27, P.OR5.15 | Ângela Cristina Malheiros Luzo | R.P1.50 |
| André Luis Silveira Fraga | O.P1.48 | Angela de Jesus Vasconcelos | K.P2.73 |
| André Luiz dos Santos | J.P2.107 | Angela de Mello Ferreira | F.P1.55, J.P1.75 |
| André Mello Bepe | K.P2.89 | Angela Elisa Crespi | J.OR3.10, J.P1.57 |
| André Paganotti | K.P2.107 | Ángel Alberto Hidalgo | L.P1.61, L.P2.124, L.P2.84, L.P2.89, L.P2.93 |
| André Paulo Tschiptschin | K.OR3.11, K.OR3.8, K.P2.92 | Ângela Luzo | R.P2.126 |
| André Santiago Afonso | P.P2.71, P.P2.72 | Ângela Maria Moraes | R.OR1.2, S.P1.5 |
| André Santos Barros | K.P1.43, K.P2.73, K.P2.84 | Ângela Ortiz Zevallos | P.P2.92 |
| Andres Cuña | P.P2.66, P.P2.68 | Angela Priscila Pelegrini Bolach | L.P1.26, L.P1.28, L.P1.63, U.P1.11, U.P1.15, U.P1.3 |
| Andre S Ferlauto | P.OR1.3 | Angelica Irasema Sibaja Luis | Q.P1.1 |
| Andrés Mauricio Muñoz Garcia | F.OR2.6, F.P1.60, H.OR4.18, H.P1.7 | Angelica Maria Mazuera Zapata | E.P1.29 |
| Andrés Naranjo Uribe | B6NB | Angelo Caporalli Filho | R.P2.105 |
| André S. Polo | O.P1.3 | Angelo Luiz Gobbi | F.P1.44, L.P2.80, N.P1.23, R.P2.56 |
| ANDRESSA DE AGUIAR OLIVEIRA | A.P2.125 | Angelo Malachias | I.OR3.12, L.P2.82, M.P1.39, M.P1.41, N.OR4.15, N.P1.30 |
| Andressa Giombelli Rosenberger | J.P2.170, R.P2.116, R.P2.119 | Angelo Malachias de Souza | F.OR6.18, I.OR1.2 |
| Andressa Mayumi Kubo | J.P1.78, R.P2.112, R.P2.90 | Angelo Titton Titton | D.P1.19 |
| Andressa Meireles David | P.P1.10, V.P1.7 | Anielle Christine Almeida Silva | E.OR3.11 |
| Andressa Oliveira Rodrigues | A.P2.150, P.P2.50, V.P1.47 | Anirban Som | A.OR3.10 |
| Andressa Peglow Lüdtké | B.P1.30 | Anna Carolina Telatin Tognolo | R.P1.13 |
| Andressa Peyrot | P.P2.91 | Anna Christina Véron | L.P2.113, L.P2.114 |

| | | | |
|-------------------------------------|---|-------------------------------------|---|
| Anna Gagor | D.P1.1 | Antônio Jefferson Mangueira Sales | E.P1.56 |
| Anna Miodek | R.OR3.7, R.OR9.35 | Antonio Jorge Abdalla | J.P1.4 |
| Anna Paula S. Levinsky | F.P1.48 | Antonio Jose Felix Carvalho | B.P1.33, B.P1.5, B.P1.7, V.P1.30, V.P1.32, V.P1.33, V.P1.49 |
| Anna Paulla Simon | I.P1.7, R.P2.101, R.P2.102, R.P2.106 | Antonio J. Ramirez | K.OR1.2, K.OR3.11, K.OR3.8, K.OR3.9 |
| Anna Thaise Bandeira Silva | R.P3.176 | Antônio Lucas Rigotti Manesco | C.P1.6 |
| Anne Guilbert | O.OR4.15 | Antonio Luciano Seabra Moreira | K.P1.20, K.P2.84, V.P1.11 |
| Anne Hitomi Yonamine | C.P1.51 | Antonio Marcos dos Santos Leite | K.P2.118 |
| Anne Karoline dos Santos Poli | A.P1.5, J.P1.15, J.P2.94 | Antonio Marcos Helgueira de Andrade | C.P1.27, O.P1.10 |
| Anny Manrich | B.P1.23, B.P1.24, Q.P1.15, Q.P1.25, Q.P1.8 | Antônio Matias Navarrete Toledo | R.P3.173, R.P3.179 |
| Antero Silva Ribeiro Andrade | R.P2.86 | Antônio Maurício Tannure Fonseca | U.OR3.7 |
| Antônia Alana Lima Pacheco | I.P1.11, V.P1.1 | Antonio Osimar Silva | L.P1.23, L.P1.27, L.P1.31 |
| Antonio Augusto Araujo Pinto Silva | K.P1.5, K.P1.51 | Antônio Otávio de Toledo Patrocínio | J.P1.73 |
| Antonio Augusto Couto | J.P1.4, K.OR2.6, K.P1.1, K.P1.30, K.P1.46, K.P1.47, K.P1.48, K.P1.5, K.P2.124 | Antonio Otavio Toledo Patrocínio | N.P1.7 |
| Antonio Augusto Godoy von Zuben | N.P1.44 | ANTONIO PAULO SANTOS SOUZA | O.P1.53 |
| Antonio Augusto Lopes Marins | F.OR4.13 | Antonio Renato Bigansolli | F.P1.66 |
| Antonio Augusto Malfatti Gasperini | J.P2.134, T.P1.2 | Antonio Ricardo Zanatta | L.OR1.3, N.OR2.6, P.OR5.15 |
| Antonio Avila | A.OR9.34 | Antonio Riul Jr. | L.OR2.5, L.P1.13, L.P2.80, N.P1.23 |
| Antônio Carlos Ancelotti | V.P1.14 | Antônio Santana Santos | A.P2.103, A.P2.104 |
| Antonio Carlos Doriguetto | P.P2.92 | Antonio Sérgio Bezerra Sombra | E.P1.56 |
| Antonio Carlos Gustaldi | R.P2.98 | Antônio Sérgio Souza | A.OR9.31, A.P2.123 |
| Antonio Carlos Hernandes | E.OR3.8, E.P1.31, M.OR6.21 | Antonio Tadeu Rogerio Franco | K.P1.1, K.P1.46 |
| Antonio Carlos Silva Costa Teixeira | N.P1.41 | Anuar Jose Mincache | E.P1.11, E.P1.8 |
| Antonio C. C. Migliano | R.P1.40 | Aparecido Junior de Menezes | B.P1.18, J.P2.153 |
| Antonio Claudio Tedesco | R.P1.35, S.P1.16 | Araceli Mandujano Ruíz | J.OR3.11 |
| Antonio Domingues Santos | F.OR4.12, I.P1.10, M.OR6.18, M.P1.38 | Arão Pereira da Costa Filho | A.P2.89 |
| Antônio Eduardo Hora Machado | N.P1.20, N.P1.7 | Aravind Vijayaraghavan | A.P2.140 |
| Antônio Eduardo Martinelli | U.P1.9 | Arben Merkoçi | L.P1.17 |
| Antonio Faria Neto | J.P1.52, J.P1.53 | Argemiro Sousa da Silva Sobrinho | O.P1.27 |
| Antonio Fernando Beloto | J.P2.135 | Ariadne Cristina Catto | E.P1.15 |
| Antonio Ferreira da Silva | P.OR3.6 | Ariana de Souza Moraes | B.P1.31 |
| Antonio Gomes Souza Filho | F.P1.59 | Ariane Caroline Ribicki | J.P2.129, J.P2.91 |
| Antônio Gouveia de Souza | J.P2.127, J.P2.162 | | |
| Antonio Guerreiro Serrano | E.P1.30 | | |
| Antonio Helio Neto | H.OR2.4 | | |
| Antonio Hernando | K.P2.63, K.P2.66 | | |
| Antonio Jeferson de Deus Moreno | D.P1.3 | | |

| | | | |
|--|---|---------------------------------------|---|
| Ariane Sandrine Mazzei Charalabopoulos | N.P1.15, N.P1.24 | Augusto Batagin Neto | H.P1.30, L.P1.21, L.P1.35, L.P1.40, L.P1.65, L.P2.134 |
| Ariane Silva Ribas | A.P2.150, P.P2.50, V.P1.47 | Augusto Lelis Araujo | H.P1.18 |
| Ariane Ritter | S.P1.6 | Aurea Emanuelle Santos | V.P1.19, V.P1.22 |
| Ariano De Giovanni Rodrigues | E.P1.28, F.P1.29, I.P1.16, N.P1.6, N.P1.9 | Aureliano Rodrigues Barborati Ribeiro | K.P1.50 |
| Ariela Veloso de Paula | J.P2.101 | Aurileide Maria Bispo Frazão Soares | R.P1.45 |
| Ariel Delgado del Toro | C.P1.28, C.P1.29, H.P1.29, H.P1.35 | Ayrton André Bernussi | F.P1.44 |
| Ariel Estole Nunes de Andrade | K.P1.36 | Ayrton Fernando Gomes de Oliveira | S.P1.26 |
| Ariel Moreno-Gobbi | A.P2.131 | | |
| Ariel Teixeira | V.P1.12 | | |
| Ariete Righi | A.OR6.20 | | |
| Arie van der Lee | D.OR2.4 | | |
| Arilza de Oliveira Porto | A.P1.62 | | |
| Arlan da Silva Gonçalves | A.P1.13, H.P1.38 | | |
| Arlindo Pires Lopes | A.P2.107 | | |
| ARMANDO AUGUSTO DE CAMPOS | K.P2.122 | | |
| Armando Beltrán | D.OR2.5 | | |
| Armando Hideki Shinohara | G.P1.4 | | |
| Armindo Santos | P.P1.7 | | |
| Armi Tiihonen | O.OR4.16, O.P1.7, P.P2.76 | | |
| Armstrong Godoy Junior | O.P1.27 | | |
| Arnaldo Gakiya Kanashiro | L.P2.73 | | |
| Arnaldo Homobono Paes de Andrade | V.P1.45 | | |
| Arokia Nathan | A.OR1.1 | | |
| Aron Pazzin Andrade | R.P2.127 | | |
| Artejose Revoredo da Silva | I.P1.21 | | |
| Arthur Exner | M.OR2.5, M.P1.25 | | |
| Arthur Fernandes Nogueira Cesarino | A.OR7.27 | | |
| Arthur Gustavo de Araujo-Ferreira | I.P1.35, I.P1.36 | | |
| Arthur Henrique Wiering | J.P1.64 | | |
| Arthur Matsudo Garcia | R.OR6.22 | | |
| Arthur Parente | J.P2.107 | | |
| Arthur Prado Camargo | R.P3.136 | | |
| Arthur Rodrigues J. Barreto | L.P2.115 | | |
| Arthur Sant'Ana Cavichini | G.P1.6 | | |
| Arthur Scaglioni de Oliveira | A.OR9.32 | | |
| Artur Coelho | F.P1.30 | | |
| Artur de Jesus Motheo | J.P1.32, J.P2.157 | | |
| Artur Eduardo Alves Castro | S.P1.26 | | |
| Aryane Christine Neves Martins | R.P3.188 | | |
| Asaph Armando Jacinto | B.P1.27 | | |
| Atair Carvalho Silva | E.OR3.8, E.P1.25, E.P1.5 | | |
| | | B | |
| | | Bachir Ouladdiaf | D.OR1.3 |
| | | Bárbara Aparecida Nogueira Barbosa | J.P1.86 |
| | | Bárbara Branquinho Duarte | K.OR3.10 |
| | | Barbara Brena | P.OR6.18 |
| | | Bárbara da Silva Pinheiro | A.P1.54 |
| | | Bárbara Estefânia de Almeida Silva | B.P1.18 |
| | | Bárbara Fornaciari | R.P2.53 |
| | | Bárbara Hellen de Souza Miranda | O.OR4.14 |
| | | Barbara Maraston Fraygola | E.OR4.13 |
| | | Bárbara O. De Paula | R.P2.129 |
| | | Bárbara Ramos Ferreira | J.P1.39 |
| | | Bárbara Rosa | I.OR3.12, M.P1.39 |
| | | Bárbara Schvuchov Kern | L.P2.121 |
| | | Beatriz Antoniassi | U.P1.1 |
| | | Beatriz Belotti Carvalho | P.P1.10, V.P1.7 |
| | | Beatriz Bernardes Caravieri | R.P2.113 |
| | | Beatriz Carvalho Silva | A.P1.31, A.P1.32, A.P2.116, A.P2.97 |
| | | Beatriz dos Santos Gonzalez | V.P1.21 |
| | | Beatriz Ferreira Mendes | I.P1.11, V.P1.1 |
| | | Beatriz Rocha de Moraes | M.P1.13 |
| | | Beatriz Rodrigues Canabarro | F.OR2.5 |
| | | Beatriz Rossi Canuto de Menezes | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 |
| | | Beatriz Zuleika de Macedo | R.P1.21 |
| | | Begoña Milián-Medina | H.P1.14 |
| | | Belarmino Gomes Tavares | N.P1.65 |
| | | Bento Ferreira | R.P1.10 |
| | | Berenice Anina Dedavid | K.P2.116 |
| | | Bernardo de Souza | L.P1.38 |
| | | Beverley A Brown | L.OR1.1 |
| | | Bianca Alves Marcello | J.P2.97 |
| | | Bianca Campos Gregorio | K.P2.71 |

| | | | |
|------------------------------|---|--------------------------------|---|
| Bianca Gurski Chemin | J.P2.129 | Bruno Cano Mascarenhas | E.P1.33, E.P1.34, E.P1.49, E.P1.51 |
| Bianca Martins Estevão | Q.P1.17, R.P1.30 | Bruno Cavalcanti Di Lello | R.P3.148 |
| Bianca Pinheiro de Sousa | L.P2.86 | Bruno César da Silva | N.P1.22 |
| Bianca Siqueira Martins | F.P1.16 | Bruno Cordeiro Silva | S.P1.7 |
| Domingos | | Bruno Dufau Mattos | B.P1.16, B.P1.17 |
| Biljana D Stojanovic | A.P2.83 | Bruno Esposto | B.OR2.3 |
| Bonifacio Uc Can | M.OR5.15 | Bruno Fedosse Zornio | I.OR2.6 |
| Borja Sépulveda | C.OR3.6 | Bruno F Finatti | C.P1.50 |
| Braulio Soares Archanjo | F.P1.26 | Bruno Gabriel Alves Leite | O.P1.33 |
| Brena Raiara Correa Barradas | K.P1.9 | Borges | |
| Brenda Batista de Oliveira | M.P1.42 | Bruno Gondim de Melo Vieira | A.P1.11 |
| Brenda de Souza Ferrari | A.P1.13 | Bruno Henrique Ramos de | I.OR4.17 |
| Brendon Willian Guedes | F.P1.16 | Lima | |
| Barbosa | | Bruno Henrique Ramos Lima | J.P2.128 |
| Brener Rodrigo Carvalho Vale | I.P1.17, I.P1.18, I.P1.19, I.P1.20 | Bruno Henrique Santana Goís | L.P1.26, L.P1.28, L.P1.60, L.P1.63, U.P1.11, U.P1.15, U.P1.3 |
| Brenno Luigi de Pastena | F.P1.42 | Bruno Luchesi | B.P1.26 |
| Brenno Santos Leite | B.P1.37 | Bruno Morandi Pires | E.P1.37, L.P1.51 |
| Breno Rocha Barrioni | R.P2.97 | Bruno M. Serafim | F.P1.31 |
| Bridget ODonnell | F.P1.18 | Bruno Nowacki | L.P2.130 |
| Brillian Aquino Fernandes | L.P1.33 | Bruno Oliveira Garcia | J.P1.29 |
| Bruna Alice Gomes de Melo | R.P1.39, R.P2.126 | Bruno Oliveira Thomazini | F.P1.42 |
| Bruna Andrade | E.P1.6 | Bruno Pionte | A.P2.137 |
| Bruna Andressa Bregadiolli | O.OR4.17 | Bruno Ricardo Carvalho | A.OR6.20 |
| Bruna Carolina Costa | Q.P1.5 | Bruno R. Matos | P.OR6.22, P.P1.40, P.P2.57 |
| Bruna Castanheira | N.P1.41 | Bruno Utiyama | R.P2.127 |
| Bruna Corina Emanuely | I.P1.27, I.P1.32 | Bruno Vinícius Manzolli | R.P1.43 |
| Schibicheski | | Rodrigues | |
| Bruna Cristina da Silva | A.P2.119, D.P1.16 | Byeong Jeong | M.P1.19, N.OR6.23 |
| Bruna Gobbi Garcia | K.P2.123 | | |
| Bruna Gomes Maciel | R.P3.186 | C | |
| Bruna Horta Bastos Kuffner | K.P2.125, K.P2.126, K.P2.72, K.P2.74 | Caetano Rodrigues Miranda | H.OR3.10, I.OR2.4, P.OR2.4, V.OR2.5 |
| Bruna Louise Perotti | J.P1.18, U.P1.2 | Caio Castanho Xavier | K.P2.93 |
| Bruna Nádia Neves da Silva | H.P1.22 | Caio Flaret Argentino Oliveira | K.P2.103 |
| Bruna Niccoli Ramirez | E.P1.2 | Caio Guilherme Pereira dos | J.P1.66 |
| Bruna Patrocinio Lima | F.P1.54 | Santos | |
| Bruna T. M. Souza | J.P1.49 | Caio Henrique Nasi de Barros | B.P1.1 |
| Bruna Vilas Boas | K.P2.80 | Caio José Percin | C.P1.58 |
| Brunna Maria Cunha Pereira | J.P2.121 | Caio Lenon Chaves Carvalho | R.P3.176 |
| Bruno Alexandre Henriques | R.OR5.15, R.P3.162, R.P3.166 | Caio Palumbo Abreu | I.P1.31, J.P1.56 |
| Bruno Barreto da Cunha | H.P1.13, H.P1.2 | Caio Rodrigues-Silva | P.P1.48 |
| Holanda | | Caique Conde Rodrigues | C.P1.18 |
| Bruno Bassi Millan Torres | L.P2.71, L.P2.72, L.P2.74 | Caique Prado Machado de | J.OR2.4 |
| Bruno Batista | A.OR5.16 | Oliveira | |
| Bruno Bitaraes | A.P2.102 | Caíque Vendemiatti | J.P2.172 |
| Bruno Bravin | P.P2.64 | Vendemiatti | |
| Bruno Caldas Coelho | F.P1.62 | | |
| Bruno Cambraia Lemos | I.OR4.20 | | |
| Bruno Campos Janegitz | L.OR6.23 | | |

| | | | |
|---|--|----------------------------------|---|
| Calink Indiara do Livramento dos Santos | O.P1.21, O.P1.38 | Carlise Hannel Ferreira | J.P1.77 |
| Camen Cecilia Bueno | G.P1.7 | Carlos Alberto Achete | A.OR6.23 |
| Camila Alves de Rezende | B.P1.28, B.P1.29, P.P2.70 | Carlos Alberto Alves Cairo | R.P1.11 |
| Camila Alves Escanio | P.P1.7 | CARLOS ALBERTO CARVALHO CASTRO | K.P1.17, K.P1.18 |
| Camila Barbosa Bramorski | L.OR6.23 | Carlos Alberto Costa | F.P1.34, N.OR6.21, Q.OR2.5 |
| Camila Belo Gomes Brito | A.OR9.32 | Carlos Alberto de Oliveira Couto | A.P2.147 |
| Camila Brito Souza | A.P2.99 | Carlos Alberto Fortulan | E.P1.26, I.P1.35, I.P1.36, J.P1.22 |
| Camila Bussola Tovani | R.P1.36 | Carlos Alberto Medalha Filho | P.P2.79 |
| Camila Elia | R.P3.140 | Carlos Alberto Mitio Hirano | K.P2.86 |
| Camila Fernandes Higa | R.P2.79 | Carlos Alberto Ospina Ramirez | I.P1.10, U.OR2.3 |
| Camila F Silva | A.OR9.34 | Carlos Alberto Pérez | F.P1.64 |
| Camila Gonçalves Rodrigues | R.P3.173, R.P3.179 | carlos alberto reis de freitas | E.P1.22, E.P1.23 |
| Camila Ianhez Pereira dos Santos | N.P1.6 | Carlos Alberto Rodrigues | K.P1.50, K.P1.54, K.P1.57, K.P2.125, K.P2.126, K.P2.72, K.P2.74 |
| Camila Jaques Rosário | R.P1.51, R.P2.87 | Carlos Alberto Senna | F.P1.26 |
| Camila Machado de Oliveira | P.P2.95, R.P1.28 | Carlos Alberto Soufen | A.P2.144, J.P2.154, J.P2.93 |
| Camila Negrão Konno | K.P1.9 | Carlos Alejandro Figueroa | F.OR3.10, J.OR3.10, J.P1.12, J.P1.18, J.P1.34, J.P1.57, J.P1.59 |
| Camila Okinokabu Vieira | A.P1.48 | Carlos Angelo Nunes | K.OR3.11, K.P1.5 |
| Camila Pasquoloto | B.P1.23, B.P1.24 | Carlos A. Ratto | L.P1.58 |
| Camila Pereira | M.P1.7 | Carlos Augusto Cardoso Passos | C.P1.69 |
| Camila Raiane Ferreira | H.P1.15 | Carlos Augusto de Souza Oliveira | V.P1.2 |
| Camila Rodrigues Sciena | B.P1.11, B.P1.12, B.P1.8, E.P1.51 | Carlos Augusto Galvão Barboza | R.P3.164 |
| Camila Santana Carriço | B.P1.37, B.P1.9 | Carlos Camurri | F.P1.19 |
| Camili Ambrosio | K.P2.98 | Carlos César Bof Bufon | N.OR1.2, N.OR1.3, N.OR3.8, N.OR3.9, N.P1.23, N.P1.52, N.P1.57 |
| Camilla K.B.Q.M Oliveira | O.P1.40, O.P1.44 | Carlos Cleverton Oliveira Santos | K.P1.49 |
| Camilla Martins Ruiz | L.P1.26, L.P1.28, L.P1.60, L.P1.63, U.P1.11, U.P1.15, U.P1.3 | Carlos David Gonzales Lorenzo | G.P1.7 |
| Camilo Bruno Ramos de Jesus | C.P1.72 | Carlos Doro Neto | F.P1.48 |
| Camilo Bruno Ramos Jesus | C.OR6.20, C.P1.11, C.P1.12, C.P1.18, C.P1.19, C.P1.20, C.P1.48 | Carlos Eduardo Campos Lanzi | U.P1.3 |
| Carina Barros Mello | I.OR4.18, J.P1.54, J.P1.55 | Carlos Eduardo Cava | A.P2.136, L.P2.87, O.P1.33 |
| Carine Ribeiro dos Santos | H.P1.38 | Carlos Eduardo Podestá | S.P1.12, S.P1.13 |
| Caritas de Jesus Silva Mendonça | N.P1.53, N.P1.58 | Carlos Eduardo Silva | I.OR3.11 |
| Carla Andressa Almeida Farias | R.OR3.11 | Carlos Eduardo Silveira Dias | J.P1.63, N.P1.42 |
| Carla Daniela Boeira | J.P1.12, J.P1.18, J.P1.57, J.P1.59, U.P1.2 | | |
| Carla da Silva Meireles | B.P1.36, C.P1.63 | | |
| Carla Grijó Fonseca | H.OR1.3 | | |
| Carla Patrícia Lacerda Rubinger | L.P2.133 | | |
| Carla Yuri Kisen | A.OR9.38, A.P2.87 | | |
| Carleane Patricia da Silva Reis | L.OR5.18 | | |
| Carlino Carvalho de Almeida | K.P2.77 | | |

| | | | |
|--------------------------------------|--|--|-----------------------------|
| Carlos Eduardo Tartaglia Bruzeguini | P.P1.10, V.P1.7 | Carmen Gilda Barroso Tavares Dias | D.P1.17 |
| Carlos E. M. Campos | D.OR4.11, L.P1.58 | Carmen Greice Renda | J.P2.87 |
| carlos Filipe Cardoso Bandeira | K.OR2.5 | Carol de Souza Berger | I.P1.23 |
| Carlos F. O. Graeff | L.OR7.25, L.P1.49, L.P2.113, R.P1.41, S.P1.26, U.OR1.2 | Carolina Alexandrino Alencar | R.P1.33 |
| Carlos Frajuca | K.P1.1, K.P1.46 | Carolina Dakuzaku Freschi | M.P1.31, M.P1.8 |
| Carlos Frederico de Oliveira Graeff | O.OR4.17 | Carolina Del Roveri | K.P1.40 |
| Carlos Giles | C.P1.25, C.P1.73, K.P1.24, K.P2.101 | Carolina de Sena Madureira Figueiró | F.P1.39 |
| Carlos Gracioli Aita | K.OR2.4 | Carolina Ferreira de Matos | O.P1.33, O.P1.51 |
| Carlos Guerra-Nunez | C.OR5.15 | Carolina Fracalossi Rediguieri | R.OR3.10, R.OR6.20 |
| Carlos Henrique Brito Cruz | M.P1.16 | Carolina Franco Cunha | J.P2.121 |
| Carlos Henrique Guimarães | A.P2.137 | Carolina Frayne Cuba | L.P1.54 |
| Carlos Itsuo Yamamoto | A.P1.65 | Carolina Milcharek Machado | P.P2.95 |
| Carlos José Leopoldo Constantino | F.P1.2, J.P2.126, J.P2.144, L.P2.118, R.P2.104, R.P3.138, R.P3.168, R.P3.172, R.P3.177 | Carolina Moreira Watashi | Q.P1.6, Q.P1.7 |
| Carlos K. Suzuki | I.P1.11, V.P1.1 | Carolina Siqueira Franco Picone | R.P3.173 |
| Carlos Lenz Cesar | L.P2.127, M.OR6.20 | Caroline Aparecida Dalben Rampazo | Q.P1.7 |
| Carlos Maciel de Oliveira Bastos | N.OR5.17 | Caroline Barros | P.OR5.14, S.P1.25 |
| Carlos Manuel Giles | F.P1.50 | Caroline Brambilla de Aquino | M.P1.40 |
| Carlos Marcus Gomes da Silva Cruz | I.P1.29, J.P1.32 | Caroline Casagrande Sipoli | R.P2.92, R.P3.190 |
| Carlos Martins Aiube | J.P1.74 | Caroline Clare | S.P1.14 |
| Carlos Oliveira Paiva-Santos | E.P1.52 | Caroline de Mayrinck | O.P1.24, P.P2.81 |
| Carlos Pacheco | I.P1.16 | Caroline Freitas Rafael | R.OR5.15 |
| Carlos Pérez Bergmann | A.P2.93 | Caroline Lydie Moulis | C.P1.66, J.P1.24, J.P2.95 |
| Carlos Rettori | B6NB, C.P1.19, C.P1.50 | Caroline Martins dos Santos | A.P1.26, A.P2.119, D.P1.16 |
| Carlos Rios Rios | K.P2.71 | Caroline Oliveira Renó | S.P1.19 |
| Carlos Roberto Ferreira Junior | A.P1.40 | Caroline Oliveira Rocha | J.P2.101 |
| Carlos Roberto Grandini | K.P2.105, K.P2.93, K.P2.95, R.OR8.27, R.P1.49 | Caroline Raquel Bender | R.OR3.11 |
| Carlos Rodríguez | F.P1.19 | Caroline Santana dos Santos | P.P1.15, P.P1.20 |
| Carlos Roque D. Correia | A.P2.137 | Caroline Santos Alves de Lima | R.P2.67 |
| Carlos Vital Paixão de Melo | K.P2.108 | Caroline Silva Danna | F.P1.2, M.P1.21, R.P2.64 |
| Carlos Wagner Moura e Silva | I.P1.30 | Caroline Simoes Pereira | H.OR3.8 |
| Carlos William Araujo Paschoal | N.P1.53, N.P1.58 | Carsten Enderlein | J.P2.139 |
| Carlos William Galdino | F.P1.50, K.P1.24 | Caruline de Souza Carvalho Machado | J.P1.56 |
| Carlos Yujiro Shigue | V.P1.41 | Cássio Augusto Pinto da Silva | K.P1.42 |
| Carlota Oliveira Rangel Yagui | H.P1.4 | Cassius Olivo Figueiredo Terra Ruchert | J.P1.56 |
| Carmeane Effting | U.P1.6 | Catalin Popescu | D.P1.25 |
| Carmem Célia Francisco do Nascimento | K.P1.7 | Catarina Brunhara Batista | Q.P1.18 |
| | | Caterina Ducati | F.P1.9 |
| | | Catherine Gosselin | P.OR4.11 |
| | | Catia C. C. Ornelas Megiatto | R.OR6.18, R.P1.37, R.P2.111 |
| | | Cátia Crispilho Corrêa | N.P1.57 |
| | | Catia Pereira Barcellos | B.P1.36 |

| | | | |
|-------------------------------------|---|--|--|
| Cátia Santos Nunes | D.P1.15, R.P1.14, R.P3.149, R.P3.192 | César Tadeu Nasser Medeiros Branco | F.P1.10, F.P1.3, F.P1.37, F.P1.5, F.P1.58, H.P1.33, V.P1.31 |
| Catiúscia Padilha Oliveira | Q.P1.26, Q.P1.27 | Cesta Drasar | D.OR2.5 |
| Cauê Ribeiro Oliveira | E.OR2.5, I.P1.8, J.P2.100, J.P2.102, J.P2.151, P.P2.78, Q.P1.15, Q.P1.21, Q.P1.25, Q.P1.8 | Chad Junkermeier | H.P1.43 |
| Cecilia A. C. Zavaglia | R.P2.96 | Chandra S Tiwary | A.OR3.10, P.P2.55 |
| Cecília Alves Mourão | R.P3.182 | Charlane Cimini Corrêa | N.OR3.13 |
| Cecilia de Almeida Zito | A.P1.51, A.P1.53, A.P2.105 | Charlene Regina Matos | A.P1.47 |
| Cedric Rocha Leão | H.OR1.2, H.P1.36 | Charles Biral Silva | K.P2.86 |
| Celia de Fraga Malfatti | P.P1.40 | Charles Cornet | O.P1.23 |
| Célia Machado Ronconi | C.OR3.5, C.P1.54 | Charlie Oncebay | M.OR5.13 |
| Célia Regina da Costa | F.P1.12, F.P1.13, V.P1.25 | Chen Ying An | K.P2.68 |
| Célia Regina Sousa da Silva | R.P1.31 | Christian Ávila Dollinger | K.P2.68 |
| Celine Eypert | J.P2.104 | Christiane de Arruda Rodrigues | J.P2.92 |
| Célio Antônio Finardi | N.OR3.12 | Christiane Gimenes | S.P1.30 |
| Celly Mieko Shinohara Izumi | M.P1.13 | Christiane Philippini Ferreira Borges | N.P1.45 |
| Celso Aparecido Bertran | J.OR1.2, J.P1.65, R.P3.184 | Christiano J. S. de Matos | F.OR5.15, M.OR1.2 |
| Celso Bortolini Júnior | R.P2.105 | Christiano J.S. de Matos | A.OR4.14, M.OR1.1, M.OR5.16 |
| Celso de Araujo Duarte | A.P2.117 | Christine Dagon Lartigau | L.P2.120 |
| Celso Israel Fornari | N.P1.12, N.P1.43, N.P1.8 | Christof Woell | N.OR1.1 |
| Celso Luiz de Aquino Santos | P.P1.32 | Christoph Deneke | F.P1.34, I.OR3.12, M.P1.39, M.P1.41, N.OR4.15, N.OR6.21 |
| Celso Pinto de Melo | J.P2.115, R.P2.121, R.P2.70, R.P3.186 | Christophe Gatel | N.OR3.11 |
| Celso Santilli | I.P1.13 | Christophe Méthivier | O.OR3.6 |
| Celso Valentim Santilli | A.OR9.36, H.P1.15, J.OR5.18, J.P1.76, J.P2.142, K.OR4.19 | Christoph Genzel | J.P1.34 |
| Celso Vataru Nakamura | R.P3.192 | Cibele Vieira Arão da Silva | K.P1.9 |
| Celso Xavier Cardoso | A.P1.43 | Cibely Silva Martin | L.P1.15 |
| César A Antonio | R.P2.103, R.P2.55 | Cícero Venâncio Nunes Jr. | P.P1.12, P.P1.13 |
| César Antonio Oropesa Avellaneda | B.P1.30 | Cicero W. B. Bezerra | J.P2.116 |
| César Augusto Díaz Pomar | K.P2.109, K.P2.112 | Cid Bartolomeu de Araújo | M.OR5.15, M.P1.23, M.P1.35, M.P1.37 |
| César Augusto Duarte Rodríguez | K.OR3.10, P.P1.26 | Cíntia Andreia Alves Pereira | J.P2.156 |
| Cesar Bergamin Duarte | P.P2.91 | Cintia Kazuko Tokuhara | Q.P1.5 |
| Cesar Comin | L.P1.8 | Cintia Meiorin | C.P1.7 |
| Cesar Fierro-Ruiz | C.OR2.4, F.P1.11 | Cíntia Rodrigues Coelho | H.P1.42 |
| Cesar Grisolia | J.P1.74 | Cintia Rosa | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 |
| Cesar Ishiuchi | A.P1.21 | C. Labre | F.P1.72 |
| Cesar Moreno | A.OR6.25 | Claire Gmachl | A.OR3.7 |
| Cesar Renato Foschini | J.P1.22 | claiton jose ribeiro acacio santos | K.P2.114 |
| César Ricardo Teixeira Tarley | A.P2.109, J.P1.17, N.P1.49 | Clara Isméria Damiani Bica | V.P1.42 |
| | | Clarice Steffens | J.P2.136 |

| | | | |
|-------------------------------------|--|-------------------------------------|---|
| Clarissa Barros da Cruz | K.OR3.14, K.P1.29, K.P1.39 | Cleber Lima Rodrigues | F.OR4.12 |
| Clarissa de Almeida Olivati | E.P1.43, L.P1.28, L.P2.116, L.P2.117, L.P2.118, L.P2.119, L.P2.120, L.P2.123, L.P2.128, L.P2.75, U.P1.3, U.P1.5 | Cleber Marchiori | O.P1.39 |
| Clarissa Piccinin Frizzo | R.OR3.11 | Cleber Renato Mendonca | M.OR5.13 |
| Clascídia A. Furtado | A.OR6.23, A.P1.10, A.P1.14, A.P1.64, A.P2.100, A.P2.128, R.P2.86 | Cleber R. Mendonça | A.P1.9, J.P2.110, J.P2.137, L.OR1.3, L.OR3.11, M.OR6.19, M.OR6.21, M.P1.12, M.P1.27 |
| Classius Ferreira da Silva | R.P3.188 | Clement Hamani | S.P1.29 |
| Claude Forano | J.P2.90 | Cleocir José Dalmaschio | B.P1.36, C.P1.63 |
| Claudenete Vieira Leal | R.P3.185 | Cleverson Alves Silva Moura | J.P2.160 |
| Claudete Kallas | K.P1.47, K.P1.48 | Cleverson Pinheiro | J.P2.140, K.P2.99 |
| Cláudia Angela Maziero Volpato | R.OR5.15 | Clodoaldo Saron | V.P1.14, V.P1.39 |
| Claudia Bernal | R.P2.99 | Clodomiro Alves Jr. | L.P2.124 |
| Claudia Cardoso | H.OR4.14 | Clotilde Coppini Pereira | P.P2.60 |
| Claudia Carrasco | F.P1.19 | Clóves Gonçalves Rodrigues | N.P1.5 |
| Cláudia E. B. Marino | I.P1.32 | C. Moyses Araujo | P.OR6.18 |
| Claudia Longo | P.OR3.7, P.P1.48, P.P2.90 | Colin Peter Watson | L.OR1.1 |
| Cláudia Luisa Mendes | A.P2.144 | Conceição Aparecida Matsumoto Dutra | R.P2.100 |
| Claudia Patricia Fernandez | P.P1.2 | Conrado Game Saldeira | V.P1.16, V.P1.17, V.P1.36 |
| Claudia Regina Elias Mansur | J.P2.108, J.P2.96, R.P2.52, R.P3.139, R.P3.140 | Cortino Sukotjo | R.OR7.26 |
| Claudilene Ribeiro Chaves | J.P1.86 | Craig B. Arnold | M.OR6.21 |
| Claudiney de Sales Pereira Mendonça | C.P1.40, E.P1.14, E.P1.50, K.P1.2, K.P1.3, K.P1.38, K.P1.50, K.P2.103, K.P2.64, K.P2.65, K.P2.70, K.P2.81, K.P2.83 | Cris Adriano | C.P1.25, C.P1.72, C.P1.73, D.P1.28 |
| Cláudio Antônio Perottoni | D.OR4.8, D.P1.19 | Cristal Cerqueira-Coutinho | R.P2.52, R.P3.140 |
| Claudio Batista Ciulik | S.P1.15 | Cristian Bernado da Silva | L.P1.27 |
| Claúdio Luiz Carvalho | A.P2.91, C.P1.13 | Cristian Cley Paterniani Rita | J.P1.58, J.P2.163 |
| Claudio Michel Poffo | F.P1.35, F.P1.45 | Cristiane Agra Pimentel | R.P1.26, S.P1.10 |
| Cláudio Nunes Pereira | J.OR2.5 | Cristiane Aparecida Pereira | R.P2.72 |
| Claudio Parolo | L.P1.17 | Cristiane A Silva | F.P1.59, Q.P1.14 |
| Cláudio Radtke | A.OR6.21, A.OR6.24 | Cristiane Casonato Melo | Q.P1.23 |
| Claudio Ruggieri | K.OR1.1 | Cristiane da Silva Fonseca | A.P2.110 |
| Claudiomiro Alves | K.P2.80 | Cristiane Gomes Almeida | A.P1.8 |
| Clayane Carvalho Dos Santos | N.P1.36 | Cristiane Miotto Becker | B2VE |
| Clayane Carvalho Santos | J.P2.116, J.P2.167 | Cristiane Raubach Ratmann | M.P1.20, N.OR2.4, N.P1.28, N.P1.66, O.P1.5 |
| Cleânio Luz Lima | L.P2.124 | Cristiane Sanchez Farinas | B.P1.10 |
| Cleber Alexandre Amorim | L.P1.25 | Cristiane Yoga Ito | R.P2.57 |
| Cleber Fabiano Marchiori | O.P1.40, O.P1.59 | Cristiane Yumi Koga-Ito | R.P2.80, R.P3.156 |
| | | Cristian Momoli Salla | L.P1.38 |
| | | Cristiano Binder | I.P1.28 |
| | | Cristiano Carrareto Caliman | A.P1.62 |
| | | Cristiano Fantini Leite | A.OR6.20 |
| | | Cristiano Francisco Woellner | H.P1.11, H.P1.27 |
| | | Cristiano Jaeger Stradolini | F.P1.74, J.P2.123, J.P2.150 |
| | | Cristiano José da Silva | R.P1.23 |
| | | Cristiano Krug | F.P1.30 |
| | | Cristiano Legnani | B.OR3.9, L.P2.114 |

| | | | |
|---------------------------------------|----------------------------|--------------------------------------|--|
| Cristiano Luís Pinto de Oliveira | B6BK, H.OR4.17 | Daniela Cristina Manfroi Rodrigues | A.P1.78, A.P1.79, A.P1.80 |
| Cristiano Monteiro de Barros Cordeiro | M.P1.10, M.P1.5 | Daniela de Moraes Zanata | B.P1.2 |
| Cristiano Morita Barrado | J.P1.70 | Daniela Formaggio | Q.P1.2, R.P2.65 |
| Cristiano Raminelli | L.P1.45 | Daniela Kubota | R.P2.81 |
| Cristiano Ramos da Cunha | M.P1.36 | Daniel Alejandro Solis | H.P1.11 |
| Cristiano Teles de Meneses | C.P1.1, C.P1.47, C.P1.48 | Daniel Alessander Nono | J.P1.84 |
| Cristiano Zanlorenzi | H.P1.17, L.P2.130 | Daniel Alves de Lima | J.OR2.6 |
| Cristina Angioletto Pozenato | A.P2.106 | Daniela Menegon Trichês | D.P1.26 |
| Cristina Battesini Adamo | A.P1.52, N.OR3.12 | Daniel Andrada Maria | S.P1.11 |
| Cristina Bormio Nunes | E.P1.4 | Daniel Andrade | EXP3.4 |
| Cristina de Freitas Bueno | N.OR6.22 | Daniela Nunes | B.P1.19, B.P1.20 |
| Cristina Ikehara | A.P1.21 | Daniela Passarelo Moura da Fonseca | K.P2.67 |
| Cristina Maria Fernandes | K.P1.59 | Daniela Pereira Santos | L.P1.11 |
| Cristina Pacheco-Soares | R.P1.4 | Daniela Romão Manfio Gozzi | A.P1.72 |
| Cristina Pungartnik | A.P2.103 | Daniela Sachs | R.P3.191 |
| Cristine Costa Fulchini | B.P1.22 | Daniela Silvestrini Fernandes | J.P1.25, J.P2.164 |
| Cristine Santos de Oliveira | L.P2.132 | Daniel Assis Amâncio | K.P1.15, K.P1.16, K.P1.17, K.P1.18, K.P1.57, K.P1.59 |
| Cristol de Paiva Gouvêa | L.OR6.20 | Daniel Augusto Cantane | P.P1.34 |
| Cristol Gouvêa | L.P2.115 | Daniel Ayarroio Seixas | R.P2.109, R.P3.174 |
| Crystopher Cardoso Brito | K.OR3.13, K.P1.34 | Daniela Yurie Nakasato | Q.P1.4 |
| Crystopher Cardoso de Brito | K.P1.10 | Daniela Zanchet | C.OR3.10, P.OR6.17, P.P1.34, P.P1.35, P.P1.36 |
| CYNTHIA MARINA RIVALDO GOMEZ | K.P2.112, N.P1.39 | Daniel de Florio | E.P1.35, E.P1.38, E.P1.39, E.P1.45, E.P1.47, E.P1.48 |
| Cynthia Penoni Volpi Abreu | Q.P1.26, Q.P1.27 | Daniel Dornellas Athayde | P.P1.31 |
| Cynthia Ribeiro Guimarães | J.P2.162 | Daniele Cristina Potulski | B.P1.14 |
| Cyro K. Saul | F.P1.31 | Daniele dos Reis Soares | H.P1.10, K.P1.20, K.P1.33, V.P1.11 |
| D | | Daniel Eduardo Weibel | J.OR3.7, J.P1.12, J.P2.160, P.P2.91 |
| Daiana Santos da Silveira | L.P1.50 | Daniele Fernanda Chiarelli Gonçalves | B.P1.31, B.P1.32 |
| Daiane Damasceno Borges | H.P1.11, P.OR5.13 | Daniele Ribeiro de Araujo | R.OR1.3, R.P1.22 |
| Daiane Szczerbowski | L.P2.131 | Daniel Errandonea | D.P1.24, D.P1.25 |
| Daisy Catharina Rodrigues | E.P1.9 | Daniel Estevão Bonifácio | U.P1.6 |
| Daisy Machado | R.OR7.25 | Daniel Felipe Simião | E.P1.2 |
| Dalita G. S. M. Cavalcante | R.P1.24, R.P2.64 | Daniel Grandinetti | J.P1.37 |
| Dalton Abdala | F.P1.64 | Daniel Grandi Stroppa | R.P3.154 |
| Dalva Alves de Lima Almeida | A.P2.130, P.P2.51, P.P2.52 | Daniel Grassescchi | F.OR5.15, K.P2.69, M.OR1.2, N.P1.55 |
| Damaris Tartarotti Maimone | C.P1.77 | Daniel Guillermo Actis | C.P1.7 |
| Dámiana Máximo Brandão | S.P1.1 | Daniel Haskel | D.OR1.1, D.P1.29 |
| Damjan Vengust | E.OR6.18 | Daniel Hideki Oichi | S.P1.1 |
| Dane Tadeu Cestarolli | O.P1.11 | Danieli Aparecida Pereira Reis | J.OR3.12, J.P1.4, J.P1.7, K.P1.22, K.P1.8 |
| Daniela Bianchi Ponce Leon Lima | E.P1.47 | Danieli Born Guerra | C.P1.64 |
| Daniela Branco Tavares Mascagni | L.P1.9 | | |
| Daniela Coelho de Oliveira | F.P1.48 | | |
| Daniela Cordeiro Leite Vasconcelos | I.P1.5 | | |

| | | | |
|------------------------------|---|------------------------------|--|
| Daniel Jacinto Silva | J.P1.71 | Davide Bigoni | H.OR3.11 |
| Daniel Julio Garcia | C.P1.60 | David Fernando de Morais | R.P3.161 |
| Danielle Berger | A.P1.74 | Neri | |
| Danielle Marra Freitas Silva | R.P2.120 | David Martin Taylor | L.OR1.1 |
| Azevedo | | David Santamaría-Pérez | D.OR2.5, D.P1.25 |
| Danielle Santos Gonçalves | P.P1.35, P.P1.36 | David Vaknin | B6YF |
| Daniel López-Cortés | A.OR4.14 | Daví Filenga | C.P1.14 |
| Daniel Lorscheitter Baptista | F.OR4.11, F.P1.47 | Davi Henrique Starnini de | N.OR1.3, N.OR3.8 |
| Daniel Mario Ugarte | F.P1.6, F.P1.9 | Camargo | |
| Daniel Roberto Cassar | F.P1.57 | Davi Neves | K.P1.52 |
| Daniel Rodrigo Leiva | P.P1.9 | Dayane Batista Tada | K.P1.19, Q.P1.2, R.P1.40, R.P2.65, R.P2.93 |
| Daniel Rodrigues Oliveira | K.P1.25 | Dayane de Souza Bancoff | M.P1.10, M.P1.5 |
| Daniel Roger Bezerra Amorim | L.P2.97 | Dayane Marques Oliveira | S.P1.11 |
| Daniel Souza Corrêa | A.P2.111, A.P2.126, A.P2.130, B.P1.21, J.P2.130, J.P2.136, J.P2.137, L.P1.22 | Dayse Carvalho da Silva | J.OR2.4, O.P1.30 |
| Daniel Takanori Kemmoku | R.OR3.9 | Martins | |
| Daniel Vercosa | S.OR1.3 | Dayse Iara dos Santos | C.P1.51 |
| Daniel Yukio Kakizaki | K.P2.98 | Débora Aparecida Ribeiro | L.P2.86 |
| Danijela Stanisic | R.P1.34 | Débora Barros Barbosa | R.P2.112, R.P2.90 |
| Danilo Castro Pereira | H.P1.26 | Débora Botura Scariot | R.P3.192 |
| Danilo Ferreira de Souza | L.P2.73 | Débora Carvalho Dos Anjos | S.P1.20 |
| Danilo Gomes Genaro | A.P2.146 | Débora Clara Coelho da Mota | L.P1.20 |
| Danilo Locilento | A.P2.126 | Silveira | |
| Danilo Maciel Barquete | K.P1.36 | Debora Domingos Cavaglieri | F.OR4.13, F.P1.41 |
| Danilo Manzani | M.OR6.21 | Débora França | B.P1.15 |
| Danilo Martins dos Santos | R.OR6.21, R.P3.183 | DEBORA GUIMARAES | M.P1.11, M.P1.9 |
| Danilo Massaki Oshima | EXP6.10, J.P1.26, P.P1.29 | OLIVEIRA | |
| Danilo Mustafa | A.P1.7 | Deborah C.R. Santos | J.P1.49, J.P2.146, J.P2.147 |
| Danilo OLIVEIRA DE | M.P1.34 | Deborah Prezzi | H.OR4.14 |
| SOUZA | | Deborah S. A. Liguori | L.P2.121 |
| Danilo Olzon Dionysio de | J.P1.33 | Deborah Sivco | A.OR3.7 |
| Souza | | Debora Marani | E.P1.35, E.P1.38 |
| Danilo Roque Huanca | F.P1.20, J.P1.63, N.P1.42 | Débora Rodrigues Lima | R.OR8.29 |
| Danilo Scapin | J.P2.93 | Debora Terezia Balogh | L.OR3.11, L.P2.71, L.P2.72, L.P2.74, O.P1.35 |
| Danilo Suvorov | E.OR6.18 | Decio Marcon Neto | U.P1.6 |
| Dante Ferreira Franceschini | F.P1.65 | Deep Choudhuri | K.OR3.7 |
| Filho | | Deise M. P. O. Santos | L.P2.122, L.P2.126, L.P2.137 |
| Danusa do Carmo | C.P1.27 | Deise Rebelo Consoni | J.P2.89 |
| Danyela Carvalho | V.P1.40 | Deissy Johanna Feria Garnica | A.P1.63, A.P2.135 |
| Danyelle Santos Ribeiro | K.P2.62 | Deisy Aristizábal-Giraldo | C.OR6.22 |
| Daphne de Camargo Reis | R.P1.10, R.P1.11, R.P1.21, R.P2.107 | Deivy Wilson Masso | B6AN |
| Mello | | Deize Corradi Grodniski | L.P2.77 |
| Darcy Hiroe Fujii Kanda | B.P1.13 | Delcicleide Costa dos Reis | P.P1.3 |
| Dario Antonio Donatti | F.P1.54, F.P1.7, L.OR3.11, M.P1.26 | Delia do Carmo Vieira | U.P1.12, U.P1.13, V.P1.43 |
| Dario Bahamon | A.P1.7, F.OR5.15 | Deliane da Silva Cabral | V.P1.33 |
| Darren Neo | M.OR3.7 | Delia Rita Tapia-Blácido | B.OR2.3 |
| David Antonio Barbosa | E.P1.28 | Demetrio Scelta | D.OR2.4 |
| Quiroga | | | |

| | | | |
|---------------------------------------|--|------------------------------------|--|
| Demetrio Werner Soares | N.P1.12, N.P1.17, N.P1.29, N.P1.4, N.P1.43, N.P1.8 | Diego Luan Bertuzzi | R.OR6.18, R.P1.37, R.P2.111 |
| Demétrio Zacarias | J.P2.140 | Diego Luiz Tita | E.P1.52 |
| Dener P. Santos | I.P1.1 | Diego Mendes dos Santos | B2J6, B2XW, R.P1.8 |
| Denilson Rabelo | J.OR2.6 | Diego Muraca | C.OR3.10, C.P1.30, C.P1.33, C.P1.34, C.P1.7, C.P1.8 |
| Denis Angelo da Silva | A.P1.54 | Diego Pereira dos Santos | L.P2.132 |
| Denis Augusto Turchetti | L.P2.129, L.P2.131 | Diego Rafael Nespeque Correa | R.OR9.33 |
| Denise Arruda | R.P2.65 | Diego Rodrigues de Carvalho | P.P1.35 |
| Denise A. Tallarico | R.P2.56 | Diego Salazar-Aravena | C.OR3.9 |
| Denise Crispim Tavares | R.P2.78 | Diego Santos Oliveira | R.P1.18 |
| Denise de Oliveira Silva | J.P2.165 | Diego Scolfaro | N.P1.67 |
| Denise Hirayama | V.P1.14 | Diego Seiti Fukano Viana | E.OR3.7, E.P1.27, E.P1.41 |
| Denise Sacramento Christovam | C.P1.12, C.P1.9 | Diego Soares de Moura | P.P2.86, P.P2.87 |
| Derval dos Santos Rosa | J.P2.143 | Diego Sousa Moura | J.P1.74 |
| Deuber Lincon da Silva Agostini | L.P1.26, L.P1.28, L.P1.60, L.P1.63, L.P2.118, U.P1.11, U.P1.15, U.P1.3, U.P1.5 | Diego Stéfani Tedoro Martinez | A.P2.132 |
| Devaney Ribeiro do Carmo | J.P1.25, J.P2.113, J.P2.155, J.P2.164 | Diego Stefani Teodoro Martinez | A.P2.138, Q.OR1.3, Q.OR2.4, Q.OR2.5, Q.OR2.6, Q.P1.14, Q.P1.16, Q.P1.24 |
| Deyli Anaid Galíndez Espinoza | J.OR3.11 | Diego Valdevino Marques | V.P1.10 |
| Deyse Costa | D.OR1.3, L.P2.115 | Diego Venturini | R.P3.130 |
| D. F. Franceschini | A.P2.151, C.P1.22, C.P1.53, F.P1.40, J.P1.48 | Diéricon Sousa Cordeiro | O.P1.15 |
| Diana Betancourth | C.P1.60 | Dilermando Nagle Travessa | P.P1.8 |
| Diana Gaspar | B.OR1.2 | Dilson Silva dos Santos | F.P1.17 |
| Diana María López | H.P1.8 | Dimas Roberto Vollet | F.P1.54, F.P1.7, L.OR3.11, M.P1.26 |
| Diana Robertada Silva Medeiros | I.P1.21 | Dimitri Argyriou | G.OR3.5 |
| Diego Alberto dos Santos Yamazaki | R.P1.14 | Dimitrios Samios | V.P1.42 |
| Diego Augusto Batista Barbosa | N.P1.53, N.P1.58 | Dina Tobia | C.P1.18, C.P1.20, C.P1.72 |
| Diego Bagnis | EXP6.11, O.OR3.5, O.OR4.14 | Dinesh Kumar Shukla | C.P1.1 |
| Diego da Silva Manoel | M.P1.26 | Diogo Duarte dos Reis | F.OR6.18 |
| DIEGO DAVID PINZÓN MORENO | V.P1.39 | Diogo L. A. Silva | K.OR3.9 |
| Diego de Holanda Saboya Souza | A.P1.25 | Diogo Longhini | R.P2.124 |
| Diego Edison Lopez Silva | A.P1.63, A.P2.135 | Diogo M. Guilhermitti Neto | A.P1.56 |
| Diego Fernandes Da Cruz | J.P2.100 | Diogo Paschoalini Volanti | J.P1.71 |
| Diego Fernando Silva Sousa | L.P1.41 | Diogo Rúbio Sant'Anna | F.P1.12 |
| Diego Henrique de Oliveira Machado | N.OR6.22 | Diogo Rubio Sant'Anna das Dores | F.P1.13 |
| Diego Henrique Oliveira Barbosa | A.P1.68 | Diogo Volpati | R.P3.165 |
| Diego Leonardo Silva Scoca | N.OR2.6 | Djalma Lucas Sousa Maia | P.P2.73 |
| | | Djalma Ribeiro Silva | I.P1.21 |
| | | Djanira Rodrigues Negrão | B.P1.31, B.P1.32 |
| | | Djéssica Welzel | S.P1.14 |
| | | Djoille Denner Damm | K.P1.36 |
| | | Doh Lee | N.OR6.23 |
| | | Domingos Sávio Tavares | F.P1.37, K.P1.31 |
| | | Mendes Júnior | |
| | | Donaji Velasco Arias | C.P1.32 |

| | | | |
|--------------------------------------|---|-----------------------------------|--|
| Donat Josef As | N.P1.50 | E. B. Saitovitch | A.P2.151, B2VY, C.P1.22, D.OR3.7, D.OR4.10, J.P2.139, K.P2.120 |
| Dora Altbir | C.P1.67 | Edemar Zenardo | D.P1.9 |
| Doris Sippel Dörr | B.P1.30 | Edemir Luiz Kowalski | L.P2.85 |
| Douglas A. S Gioielli Santos | M.P1.38 | Eden Santos Silva | K.P1.7 |
| Douglas Cardoso Dragunski | J.P2.170, R.P2.116, R.P2.119 | Eder Carlos Ferreira de Souza | N.P1.45 |
| Douglas Coutinho Coutinho | L.P2.111, L.P2.88, L.P2.97 | Eder Couto Marinho | V.P1.19, V.P1.22 |
| Douglas da Silva | A.OR5.16 | Eder dos Reis Silva | K.P1.27 |
| Douglas Del Duque | P.OR3.7 | Eder Lopes | K.OR3.11, K.OR3.7 |
| Douglas Fabris | R.P3.162, R.P3.166 | Eder Paduan Alves | K.P2.68 |
| Douglas Galante | F.P1.64 | Edésia Martins Barros de Sousa | A.P1.66, C.P1.55, R.P1.15, R.P1.16, R.P1.17, R.P1.18, R.P1.32, R.P2.62, R.P2.66, R.P2.68, R.P2.69, R.P3.155 |
| Douglas Henrique Vieira | L.P2.100 | Edgar Dutra Zanotto | F.P1.57, R.P2.124 |
| Douglas Marcel Gonçalves Leite | I.OR4.15, O.P1.27 | Edgar Monrroy | F.OR2.6, F.P1.60, H.P1.7 |
| Douglas Miquita | R.P3.131 | Edgar Mosquera | O.P1.28 |
| Douglas Ricardo de Assis | J.OR1.3 | Edi Carlos Pereira de Sousa | B6BK |
| Douglas Roberto Monteiro | A.P1.44 | Edielma Costa Mendonça | C.P1.48 |
| Douglas Roca Santo | J.P2.134 | Edilaine Ferreira da Silva | P.P1.7 |
| Douglas Soares da Silva | O.OR3.8 | Edilaine Honório Silva | J.P1.33 |
| Douglas Soares de Oliveira | N.OR4.16, N.P1.11, N.P1.22 | Edilene Assunção da Silva | L.P2.116, L.P2.119, L.P2.123, L.P2.128 |
| Douglas Soares Galvão | A.OR3.10, A.OR3.8, A.OR3.9, A.OR9.33, H.OR3.11, H.P1.11, H.P1.27, H.P1.40, I.OR2.5, P.OR5.13 | Edilma Pereira Oliveira | H.P1.10 |
| Dr. Thomas Fischer | E.OR6.17 | Edilson Lucena Falcão-Filho | M.P1.23, M.P1.35 |
| Dr. Yakup Goenuellue | E.OR6.17 | Edilson Silveira | F.P1.43 |
| D S da Silva | M.P1.17 | Edilso Reguera | C.P1.32, C.P1.37 |
| Dubrazkha Carolina Lugo | A.P2.129, J.P1.85 | EDINILSON JOSÉ SLABEI | A.P2.113 |
| Ducinei Garcia | E.OR3.7, E.OR3.9, E.P1.27, E.P1.41, P.P1.2 | Edir Leal | R.P2.127 |
| Duclerc Fernandes Parra | F.P1.14, F.P1.15, F.P1.70, V.P1.4 | Edison Barbieri | Q.P1.16 |
| Duc Trong Duong | L.OR6.24 | Edison Zacarias da Silva | I.OR2.6, I.OR3.11 |
| Dulcina Pinatti Ferreira de Souza | E.P1.10, E.P1.12, E.P1.16, E.P1.40, E.P1.9 | Edivaldo L. Queiróz | L.P2.89, L.P2.93 |
| Durval Bertoldo Menezes | F.P1.38, F.P1.69 | Edivandro Giroto | L.P2.137, L.P2.81 |
| Durval Rodrigues Jr. | C.P1.46, C.P1.6, F.P1.66, K.P2.85 | Edmar A Soares | F.P1.26 |
| Dyovani Coelho | P.P2.74 | Edmar Avellar Soares | BATP |
| | | Edmilson José Silva Júnior | G.P1.4 |
| | | Edmilson Otoni Corrêa | K.P1.15, K.P1.16, K.P1.38, K.P1.59 |
| | | Edna Regina Spada | C.P1.10, F.P1.63, L.P1.34, M.OR5.12 |
| | | Ednelson Silva Costa | K.P2.111 |
| | | Ednilson da Cruz Rodrigues | C.P1.3, C.P1.4 |
| | | Edson Almeida Filho | R.P2.98 |
| | | Edson Cocchieri Botelho | V.P1.14 |
| | | Edson da Costa Bortoni | O.P1.14 |
| | | Edson Guedes Costa | G.P1.4 |
| | | Edson H. Takano | J.OR4.17 |
| | | Edson Laureto | L.P1.57 |
| E | | | |
| E.A. Thoroh de Souza | A.OR4.14 | | |

| | | | |
|-----------------------------------|---|---------------------------------------|---|
| Edson Laureto Laureto | L.P1.46, L.P2.127, N.P1.47 | Eduardo Ribeiro de Azevedo | L.OR6.24, S.P1.15 |
| Edson Luiz de Miranda | K.P1.41 | Eduardo Ruiz Hitzky | A.P1.47 |
| Edson Passamani | K.P2.120 | Eduard Westphal | L.P1.58, L.P1.64 |
| Eduarda Medeiros de Araújo | J.P1.68 | Edval Gonçalves Araújo | J.P2.171, J.P2.97 |
| Eduarda Peinado Moraes | K.P1.13 | Edvani Curti Muniz | D.P1.15, R.P1.14, R.P2.59, R.P2.63, R.P3.149, R.P3.175, R.P3.192 |
| Eduardo Abramof | N.P1.12, N.P1.29, N.P1.4, N.P1.43, N.P1.8 | Edward H Sargent | M.OR4.9, M.P1.16 |
| Eduardo Almeida Anunciação | L.P1.16 | Edwige Otero | BAAK |
| Eduardo Antonelli | E.P1.30, E.P1.31 | Edwillson Gonçalves de Oliveira Filho | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, V.P1.31 |
| Eduardo Ariel Ponzio | C.P1.45 | Edwin Gilberto Medina | K.P1.51, K.P1.54 |
| Eduardo Azzolini Volnistem | E.P1.41 | Edwin Sallica Leva | J.P1.10 |
| Eduardo Bedê Barros | A.P1.11, O.P1.9 | Edy Elar Cuevas Arizaca | D.P1.9 |
| Eduardo Bellini Ferreira | E.P1.26 | Efracio Mamani Flores | N.OR2.4, N.P1.28 |
| Eduardo Bertoni da Fonseca | J.P1.40, K.P2.118, K.P2.119, K.P2.92 | Egídio Paulo Nhavene | R.P2.68 |
| Eduardo Bonini Guedes | I.OR3.13 | Egont Alexandre Schenkel | I.P1.11, V.P1.1 |
| Eduardo Ceretta Moreira | L.OR3.12, L.P1.44 | Eguiberto Galego | O.P1.19 |
| Eduardo Costa Estambasse | J.P1.20 | Eidi Yoshihara | R.P2.64 |
| Eduardo de Jesus Silva dos Santos | D.P1.17 | Eigor Renato Petry | J.P1.59 |
| Eduardo Diaz Suarez | H.P1.26 | Elaine Cavalcanti Rodrigues Vaz | A.OR7.28, R.P1.38 |
| Eduardo dos Santos Loureiro | J.P1.13, P.P1.11, R.OR5.17 | Elaine Cristina Paris | B.P1.11, B.P1.12, B.P1.8, E.P1.33, E.P1.34, E.P1.49, E.P1.51, P.P2.78, Q.P1.15, Q.P1.25, Q.P1.8 |
| Eduardo Ferreira Barbosa | L.P1.34 | Elaine Pavini Cintra | J.P1.5, J.P2.138, K.P2.124 |
| Eduardo Ferreira Molina | R.P2.113 | Eleazar José Ribeiro | C.P1.46 |
| Eduardo F Molina | R.P1.23, R.P2.78 | Elena del Corro | A.OR6.20 |
| Eduardo G. Ciapina | P.OR4.12 | Elena Madrid Madrid | O.OR3.11 |
| Eduardo Gonçalves Ciapina | P.P1.39 | Elenice Mendes Silva Gomes | L.P1.23, L.P1.27, L.P1.31 |
| Eduardo Granado | B6YF, C.P1.20, C.P1.61, C.P1.77, G.P1.1, G.P1.6 | Elen Leal da Silva | P.P2.66, P.P2.68 |
| Eduardo Guy Perpétuo Bock | R.P2.127 | Elen Poliani da Silva Arlindo | A.P2.108 |
| Eduardo Henrique Martins Nunes | P.P1.31 | Eliana A. R. Duek | R.P3.185 |
| Eduardo Luis Schneider | P.P1.27 | Eliana Cristina da Silva Rigo | R.P2.58 |
| Eduardo Maffud Cilli | R.P2.74 | Eliana Navarro dos Santos | E.OR1.2, E.OR3.10, Muccillo |
| EDUARDO MAGALHÃES BRAGA | K.P2.111 | Eliana Navarro dos Santos | E.OR1.1 |
| Eduardo Marques | J.P2.154 | Mucillo | |
| Eduardo Mascarin | P.P1.26 | Eliana Pereira Silva | S.P1.2 |
| Eduardo Matzenbacher Bittar | B2VY | Eliandra de Sousa Trichês | J.P2.105 |
| Eduardo Nascimbem Turini | T.P1.3, T.P1.6 | Eliane Aparecida Morais | L.P1.49 |
| Eduardo Nicollas Miranda Mendes | J.P2.87 | Eliane Cristina Viana | S.P1.20 |
| Eduardo Norberto Codaro | R.P1.3 | Revoredo | |
| Eduardo Oliveira Rodrigues | V.P1.13 | Eliane Trovatti | B.P1.5, B.P1.7 |
| Eduardo Padrón Hernández | C.P1.24, C.P1.28, C.P1.29, H.P1.29, H.P1.35 | Eliane Valéria de Barros | F.OR4.13, F.P1.41 |
| Eduardo Pires Bonhin | J.P1.2, J.P1.9 | Elias da Costa | A.P2.113 |
| Eduardo Quinteiro | S.P1.19 | | |

| | | | |
|---------------------------------------|---|----------------------------------|--|
| Elias de Barros Santos | A.P2.138 | Elson Longo | A.P1.33, A.P1.44, A.P1.73, A.P1.74, A.P1.75, A.P1.76, A.P2.114, A.P2.120, A.P2.82, A.P2.83, A.P2.84, A.P2.85, A.P2.86, A.P2.87, E.OR2.5, E.OR6.18, E.P1.21, E.P1.42, E.P1.57, E.P1.58, F.P1.68, I.OR3.11, I.P1.8, J.P1.78, J.P1.79, J.P2.116, J.P2.122, J.P2.167, K.P2.104, M.P1.18, N.P1.15, N.P1.24, N.P1.27, N.P1.3, N.P1.36, N.P1.40, N.P1.53, N.P1.58, N.P1.61, N.P1.68, O.P1.61, P.P2.77, P.P2.79, R.OR5.16, R.P2.112, R.P2.90 |
| Elias Fagury Neto | E.P1.19, V.OR2.6 | Elton Carvalho Lima | E.P1.5 |
| Elias Monteiro Souza | J.P2.119 | Elton José Pereira Felix | F.P1.32 |
| Elias Paiva Ferreira Neto | D.P1.10, F.P1.52, J.P1.82 | Elver Juan de Dios Mitma Pillaca | A.P1.77, J.P1.85 |
| Elidia Maria Guerra | N.P1.63, O.P1.11 | Elvio Antonio de Campos | S.P1.14 |
| Elidiane Cipriano Rangel | B.P1.18, I.P1.6, J.P1.29, J.P1.30, J.P1.31, J.P1.42, J.P1.46, J.P1.47, J.P1.61, J.P2.153, J.P2.172, J.P2.99, N.P1.21, R.P2.103, R.P2.123, R.P2.55 | Elvira Fantechi | C.OR3.6 |
| Eliézer Fernando Oliveira | H.P1.14, H.P1.34 | Elvira Maria Correia Fortunato | B.OR1.2, B.P1.19, B.P1.20, B.P1.25, L.P2.90, PS001.2, V.OR1.2 |
| Elio Thizay Magnavita | P.P2.92 | Elvis Oswaldo López Meza | F.OR3.8 |
| Eliraldrin Amorin de Sousa | A.P2.108 | Elvo Calixto Burini Junior | L.P2.68, L.P2.73 |
| Elíria Maria de Jesus Agnolon Pallone | A.P1.29 | elza monteiro leao filha | K.P2.114 |
| Elisabete Inácio Santiago | P.OR6.22, P.P1.40, P.P2.60 | Emanoele Maria Santos Chiromito | B.P1.5 |
| Elisabeth Rice | L.OR2.6 | Emanuela Coutinho Luna | J.P2.127 |
| Elisa Carvalho Castro | F.P1.27 | Emanuele Schneider Callisaya | K.P2.77 |
| Elisa Marchezini Rodrigues | R.P1.51, R.P2.87 | Emanuelle Ferreira Thomazini | L.P2.98 |
| Elisa Molinari | H.OR4.14 | Emerson Oliveira da Silva | A.P2.121, B.P1.34, R.P2.108, R.P2.73 |
| Elisan dos Santos Magalhães | K.P2.97 | Emerson Roberto Santos | L.P2.67, L.P2.68, L.P2.73, O.P1.31 |
| Elisa Sales de Freitas | L.P1.57 | Emerson Rodrigo da Silva | T.P1.1 |
| Elisa Silva Ferreira | B.P1.28 | Emerson Rodrigues Camargo | A.P1.44, A.P1.45, A.P1.70, J.P1.78, J.P1.79, R.P2.112, R.P2.90, R.P3.146, S.P1.8 |
| Elisa S Orth | A.P2.134 | | |
| Elisban Juani Sacari Sacari | O.P1.28 | | |
| Elis Sinnecker | C.P1.67 | | |
| Elizabeth Fernandes Lucas | P.P2.67 | | |
| Elizabeth Hoyos | H.P1.8 | | |
| Elizabeth Luciana Marinho Miguel | H.P1.31 | | |
| Elizabeth Tennyson | O.OR2.3 | | |
| Elizangela Messias Almeida | R.P2.59, R.P2.63, R.P3.192 | | |
| Eliza Sbrogio Martin | A.P1.27 | | |
| Eliza Wilk Reis Almeida | K.P1.55 | | |
| Ellen Christine de Souza Galvão | J.P2.135 | | |
| Ellen Raphael | L.P1.11, O.P1.16, O.P1.18, O.P1.22 | | |
| Eloá Lopes Maia | J.P1.40 | | |
| Eloi Alves da Silva | K.P2.108 | | |
| Eloisa Pereira Cardozo | K.P2.102 | | |

| | | | |
|---------------------------------|--|----------------------------------|-------------------------------------|
| Emerson Sarmiento Gonçalves | A.P1.1, A.P1.5, A.P1.54, A.P2.94, A.P2.98, A.P2.99, C.P1.21, J.P1.15, J.P1.19, J.P2.132, J.P2.94, P.P1.25, P.P2.54, P.P2.66, P.P2.68, P.P2.69, R.P2.57 | Ernesto Chaves Pereira | C.P1.56, J.P1.77, P.P2.58, P.P2.65 |
| Emilia Annese | BAAK | Ernesto Chaves Pereira de Souza | P.OR1.2 |
| Emília Pereira Veras | I.P1.21 | Ernesto David Gonzalez | R.OR9.31 |
| EMILLY SILVA | L.P2.116 | Ernesto Jimenez Villar | M.OR6.20 |
| GERVAZONI | | Ernesto Osvaldo Wrasse | H.P1.18 |
| Emilson Ribeiro Viana Junior | A.P1.17 | Esperidiana A. B. Moura | A.P2.143 |
| Emily M Speller | L.OR2.6 | Esperidiana B. Moura | A.P2.148 |
| Emmanuel de Sousa Almeida | U.P1.10 | Estácio Paiva de Araújo | B46E |
| Emmanuelle Oliveira Sancho | E.P1.56, S.P1.21 | Estácio Tavares Neto | S.P1.24 |
| Emmanuel Petitprez | F.P1.30 | Esteban Espinosa Vidal | R.P3.161 |
| Emmanuel Santos Moraes | L.OR5.17 | Estefânia Mara do Nascimento | A.P1.14, R.P2.86 |
| Emmanuel Silva Marinho | S.P1.2 | Martins | |
| Emre Yassitepe | M.OR4.9, M.OR6.20, M.P1.16, O.P1.41, O.P1.46 | Estela Melaré Ribeiro dos Santos | J.P1.78, J.P1.79 |
| Enderson Sergio Bannwart | P.P2.93 | Estér Figueiredo Oliveira | A.P1.14, R.P2.86, R.P3.131 |
| Eneida de Paula | R.P1.22, R.P2.128, R.P2.129 | Estevam Vitorio Spinacé | P.P1.41 |
| Enésio Marinho da Silva Jr | H.P1.36 | Estêvão Pompermayer | P.P1.19 |
| enio mauricio nery santos | K.P2.114 | Cristofori Lima | |
| Enrica Gianotti | Q.P1.17, R.P1.30 | Euclides Alexandre Bernardelli | I.P1.22, I.P1.28 |
| Enrique Carbo-Argibay | R.P3.154 | Euclides Marega Junior | M.OR6.17, N.P1.30 |
| Enrique Victoriano Anda | C.OR6.17 | Eudes Eterno Fileti | H.P1.28 |
| Eralci Moreira Therézio | L.P1.36, L.P1.56 | Eugen Barbu | B.P1.7 |
| Erb Ferreira Lins | H.P1.10 | Eugenia Laura Dalibon | J.P1.16 |
| Erica Cristina Almeida | A.P1.3, A.P2.103, A.P2.104 | Eugênio Teixeira Filho | I.P1.21 |
| Erica Silva dos Santos Alves | J.P2.162 | Eupidio Scopel | B.P1.36, C.P1.63 |
| Erica Ximenes Dias | K.P2.96 | Euripedes Alves Silva Filho | L.P1.23, L.P1.27, L.P1.31 |
| Eric Fujiwara | I.P1.11, V.P1.1 | Euripedes Silva Junior | A.P1.73, A.P1.76, A.P2.86 |
| Erick Gabriel Ribeiro dos Anjos | J.P2.131 | Eustaquio de Castro | F.OR4.13 |
| Erick Piovessan | L.P1.41, L.P1.50 | Euzebio Skovroinski | J.P2.152 |
| Eric Moura | D.OR4.10 | Evaldo José Corat | A.P2.129, J.P1.43, J.P1.6, K.P1.36 |
| Érico Teixeira Neto | F.OR1.2, F.OR1.3 | EVALDO JÚLIO FERREIRA SOARES | K.P2.113 |
| Eric Tsuneki Yoshiura Ono | A.P2.124, O.P1.31 | Evaldo Ribeiro | A.P2.117, F.P1.31, F.P1.43, F.P1.44 |
| Erika Aparecida da Silva | K.P2.115 | Evaldo Toniolo Kubaski | D.P1.11, D.P1.8 |
| Erika Padilla Ortega | A.P1.47 | Evandro Drigo | R.P2.127 |
| Erika R. M. Andreetta | C.P1.26 | Evandro Garske Scarabelot | E.OR3.6 |
| Erika Soares Bronze-Uhle | R.P1.1, R.P2.85 | Evandro Ivanov | M.P1.30 |
| Erilaine Barreto Peixoto | C.P1.47, C.P1.48 | Evandro Martin Lanzoni | F.P1.34, N.OR6.21 |
| Erivaldo José Scaloppi Jr. | V.P1.24 | Eveline Ramos | P.OR3.7 |
| Erlon Henrique Martins Ferreira | L.OR6.20 | Evelyn Alves Nunes | A.P1.57 |
| | | Evelyn Christyan da Silva Santos | C.OR3.5, C.P1.54 |
| | | Evelyn Nery de Santana Marculino | A.P2.133 |

| | | | |
|--|--|---------------------------------------|---|
| Everaldo Carlos Venancio | B.P1.22, P.OR6.20, P.P2.49, P.P2.61, R.P2.109 | Fábio Henrique Sales | E.P1.58, E.P1.6, K.P2.110 |
| Everson Martins | N.P1.21 | Fábio Herbst Florenzano | R.P3.143 |
| Everton Lucas de Oliveira | I.P1.35, I.P1.36 | Fabiola Bergamasco da Silva | J.P2.99 |
| Everton Willian Rodrigues da Silva Oliveira | J.P2.128 | Marcondes Palinkas | |
| Ezequiel Cafumann Ratmann | N.OR2.4, N.P1.66 | Fabiola de Almeida Ferreira | A.P1.50 |
| Ezequiel Melo Melo | L.P2.103 | Fabio Lombardi Maximino | M.OR6.18 |
| | | Fabio Luis Zabotto | E.OR3.7, E.OR4.13 |
| | | Fábio Minoru Yamaji | P.P2.96 |
| | | Fabio Plotegher | Q.P1.15, Q.P1.25, Q.P1.8 |
| F | | Fabio Roberto Passador | A.P1.26, A.P2.119, A.P2.147, D.P1.16, J.P2.105, V.P1.35 |
| Fabia Cassanjes | M.P1.31, M.P1.36, M.P1.42 | Fabio Rodrigues Orsetti | J.P1.30, R.P2.123 |
| Fabia Castro Cassanjes | M.P1.7 | Fábio Ruiz Simões | A.P1.19 |
| Fabiana Massarente Pereira | R.P3.171 | Fábio Santana dos Santos | A.P2.150, V.P1.47 |
| Fabián Andree Cerda Pastrián | R.P3.158 | Fábio Santos de Sousa | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, V.P1.31 |
| Fabiana Perrechil Bonsanto | R.P3.179 | | |
| Fabiana Rodrigues Arantes | C.OR6.22 | Fabio Santos Lisboa | L.P2.85 |
| Fabiane de Jesus Trindade | N.P1.41 | Fábio Simões de Vicente | F.P1.49, F.P1.54, F.P1.7, L.OR3.11, L.P2.69, L.P2.70, M.P1.26 |
| Fabiane Roberta Freitas Da Silva | K.P1.27 | | |
| Fabiano Colauto | C.OR6.21, C.P1.27 | Fabio S. Tavares | N.P1.15, N.P1.24 |
| Fabiano Emmanuel Montoro | K.P1.8 | Fabília Assis Resende | K.P1.22 |
| Fabiano Mesquita | J.P2.123 | Fabricia Emanuelli Moreira Dias | A.P1.78, A.P1.79, A.P1.80 |
| Fabiano Severo Rodembusch | L.OR3.12, L.P1.44, L.P2.125 | Fabício A. dos Santos | Q.P1.13, Q.P1.19 |
| Fabia Zampieri D'Antola de Mello | R.P1.10, R.P1.21 | Fabricio Aparecido dos Santos | Q.P1.18 |
| Fabiele Collovini Tavares | B.P1.30 | Fabício Souza Delite | Q.OR2.4, Q.OR2.6 |
| Fábio Abud Mansur | P.P1.7 | Fabricio Vinicius Andrade de Souza | K.P1.26, K.P1.43, K.P2.73 |
| Fábio Andrijauskas | H.OR3.12 | Fábulo Ribeiro Monteiro | A.P1.29 |
| Fabio Antonio Cajamarca Suquila | A.P2.109 | Fadi Choueikani | BAAK |
| Fábio Antonio Xavier | R.P1.9 | Fanny Béron | B6TQ, C.OR3.9, C.OR4.13, C.OR5.15, C.OR6.20, C.P1.35, C.P1.52 |
| Fabio Barboza Passos | A.P2.151, I.P1.15 | Fanny Rodolakis | C.P1.25 |
| Fábio Baum | O.OR3.10, O.P1.48 | Fausto Capuano Neto | R.P1.41 |
| Fabio Biscarini | L.OR4.13 | Fauze Ahmad Aouada | A.P1.36, A.P1.37, A.P1.38, A.P1.39, A.P1.40, A.P1.6, A.P1.67, A.P1.68, A.P1.69, A.P2.92, Q.P1.21 |
| Fabio Cerdeira Lírio | R.P2.82 | | |
| Fábio Cesar dos Santos | J.OR5.18, J.P2.142 | F. C. Zawislak | G.P1.3 |
| Fábio Coral Fonseca | E.P1.32, E.P1.35, E.P1.38, E.P1.39, E.P1.48, P.OR6.22, P.P1.40, P.P2.57 | Federico Gorelli | D.OR2.4 |
| Fabio Daniel Saccone | D.P1.24, D.P1.25 | | |
| Fábio de Lima Leite | B.P1.31 | | |
| Fábio Dondeo | J.OR3.14 | | |
| Fábio Dondeo Origo | A.P2.142, J.P2.103 | | |
| Fábio Faria Conde | K.OR1.2 | | |
| Fabio Furlan Ferreira | N.P1.39 | | |
| Fabio Gatamorta | K.P2.80 | | |
| Fabio H.B. Lima | P.P1.38 | | |

| | | | |
|-----------------------------------|---|---------------------------------------|---|
| Felipe Almeida La Porta | A.P2.114, K.P2.104, K.P2.117, K.P2.63, K.P2.66, M.P1.18, R.OR5.16 | Felipe Tadashi Kasuga | A.P2.150, P.P2.50, V.P1.47 |
| Felipe A. Moro Loureiro | P.P2.56 | Felipe Tejada Araújo | L.OR4.14 |
| Felipe Augusto de Aguiar Possoli | I.P1.22 | Felipe Wallysson Ferreira de Oliveira | P.P1.7 |
| Felipe Azevedo Borges | R.P2.74, R.P2.98, R.P3.169, R.P3.170, R.P3.180 | Felippe Jose Pavinatto | B6AN, R.P3.138 |
| Felipe Banin | A.OR7.27 | Fellipe Baptista Carneiro | B2VY |
| Felipe Barbosa Soares | L.P2.87 | Fengling Zhang | O.OR1.2 |
| Felipe Barros Laraz | U.P1.13 | Fermin Herrera Aragón | F.P1.21, R.P1.17 |
| FELIPE BERTELLI | K.P2.122 | Fernanda Amorim Santos | L.P2.104, R.P3.189 |
| Felipe Berto Ometto | P.P1.42 | Fernanda Andréia Rosa | R.P3.149, R.P3.192 |
| Felipe Castro Menezes | R.OR4.14 | Fernanda Chiarello Stedile | I.OR4.16 |
| Felipe Cemin | J.P1.59 | Fernanda Cristina Pena | L.P1.19 |
| Felipe Darriba Battaglin | I.P1.6 | Ferreira Sales | |
| Felipe da Silva Barros | V.P1.3 | Fernanda de Almeida Melo | V.P1.29 |
| Felipe David Crasto de Lima | A.P1.4 | Fernanda de Paula Oliveira | R.P3.131 |
| Felipe de Carvalho Zavaglia | S.P1.7 | Fernanda Endringer Pinto | F.OR4.13 |
| Felipe de Oliveira Outi | H.P1.39 | Fernanda Ferraz Camilo | A.P2.146, N.P1.60, P.P2.62, R.OR6.22 |
| Felipe dos Santos Vieira | C.P1.57 | Fernanda Franco Massante | R.P3.140 |
| Felipe Elan Barbosa Silva | M.P1.35 | Fernanda Freitas Quadros | K.P2.105, R.OR8.27 |
| Felipe Ferraz Morgado de Oliveira | C.P1.66, J.P1.24, J.P2.95 | Fernanda Galhardo | D.P1.14 |
| Felipe Ferreira Lopes | U.P1.12, U.P1.13, V.P1.43 | Fernanda Grandizoli Santos | R.P3.175 |
| Felipe Fortes Lima | R.P2.73 | Fernanda Lanzoni Migliorini | A.P2.111, A.P2.126, J.P2.136 |
| Felipe Gollino | N.P1.40 | Fernanda Lima | A.OR9.34 |
| Felipe Gondim Carlucci | O.P1.27 | FERNANDA MAGALHÃES DE OLIVEIRA CAMPOS | N.P1.37 |
| Felipe Henrique Santa Maria | A.P2.131 | Fernanda Malato Praxedes | K.P2.113, K.P2.114, V.P1.28, V.P1.46 |
| Felipe Kairo de Sousa Lima | S.P1.2 | Fernanda Midori de Oliveira | N.P1.49 |
| Felipe Melleu Tedesco | B2VE | Fernanda Nardo Cobo | V.P1.8 |
| Felipe Moessa Bezerra | A.P1.78, A.P1.79, A.P1.80 | Fernanda Roberta Marciano | R.P1.43, R.P2.107, R.P2.118, R.P2.122, R.P3.181 |
| Felipe Mondaca | M.P1.3 | Fernanda Rodrigues Sousa | B2VG |
| Felipe Oliveira | R.P1.11 | Fernandes Henrique de Azevedo Jr | L.P1.20 |
| Felipe Oliveira Fernandes | J.P1.46, J.P1.47, J.P1.61 | Fernando Aécio de Amorim Carvalho | R.P1.47 |
| Felipe Pinheiro Souza | J.P2.166 | Fernando Alvarez | F.OR3.10, J.OR1.1, J.P1.34, N.OR2.6 |
| Felipe Ptak Lemos | F.P1.46, M.P1.29 | Fernando Alves Ferreira | L.P1.31 |
| Felipe Rocha Caliarri | J.OR3.12, J.P1.62 | Fernando Aparecido Sigoli | C.P1.39, T.P1.5 |
| Felipe Sales Brito | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 | Fernando A. Ponce | F.P1.22 |
| Felipe Saura | J.P1.29 | Fernando Assis Garcia | C.P1.61 |
| Felipe Silva | K.P2.98 | Fernando Augusto de Oliveira | F.P1.25 |
| Felipe Silva Bellucci | E.P1.7 | Fernando B. Effenberger | C.OR2.3 |
| Felipe Silva Pontes | V.P1.16 | Fernando Campanhã | A.P2.139 |
| Felipe Soares Covre | O.P1.23 | Fernando Carvalho Silva | C.P1.30, C.P1.35, C.P1.36 |
| Felipe Souza Eloy | K.P1.50 | Fernando Costa Basilio | B2J6, B2XW, F.P1.38 |
| Felipe Souza Miranda | J.OR3.12, J.P1.62 | | |

| | | | |
|----------------------------------|--|--------------------------------------|--|
| Fernando de Almeida Gonçalves | K.P2.113 | F. H. Cristovan | J.P2.112, L.P1.41, O.P1.4, R.P2.93, R.P3.153, S.P1.3 |
| Fernando Ely | A.P1.52, O.P1.36, O.P1.37 | Filipe Camargo Dalmatti Alves Lima | H.P1.26 |
| Fernando Fabris | C.P1.53 | Filipe Dione Souza Gorza | J.P2.115, R.P2.70 |
| Fernando Franco | K.OR1.2 | Filipe Estevão de Freitas | J.P1.7 |
| Fernando Fuzinato Dall`Agnol | H.P1.37 | Filipe Johnatan Martins Dantas Costa | U.P1.9 |
| Fernando Galembeck | A.OR5.16 | Filipe Martel Magalhães Borges | J.P1.68 |
| Fernando Gomes de Souza Junior | R.P2.117, R.P2.82, R.P3.139 | Filipe Matheus Cabral Santos | L.P1.20 |
| Fernando Guzmán | A.OR4.15 | Filipe Samuel Silva | R.P3.162, R.P3.166 |
| Fernando Henrique Cristovan | L.P1.42, L.P1.50, L.P2.86 | Filipe Signorelli | J.OR1.2 |
| Fernando Henrique Pavoni | P.P1.21 | Filipe Vargas Ferreira | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 |
| Fernando Iikawa | N.P1.22, O.P1.23 | Filippo Renò | Q.P1.17 |
| Fernando J. Fonseca | O.P1.31 | Flademir Wouters | Q.P1.26, Q.P1.27 |
| Fernando Josepetti Fonseca | L.OR3.9, L.P1.43, L.P2.66, L.P2.95 | Flávia B. Mendes | D.P1.21, J.P1.8 |
| Fernando Junior Quites | L.OR5.17 | Flávia Cristina Assis Silva | H.P1.25 |
| Fernando Loureiro Stavale | F.P1.55 | Flávia Danielle Santos | J.P2.161, P.P2.85 |
| Fernando Lucas Primo | S.P1.16 | Flávia dos Santos Gomes | A.P2.104 |
| FERNANDO LUZIA FRANÇA | I.P1.25 | Flavia Elisa Galdino | L.P1.51 |
| Fernando Machado Guimarães | B2VE | Flavia Emilena Stelle | D.P1.11, D.P1.8 |
| Fernando Manuel Bico Marques | E.P1.20 | Flávia Gonçalves Pacheco | A.OR6.23 |
| Fernando M. Araujo Moreira | A.P2.85, F.P1.56 | Flávia Gontijo da Silva | R.P2.75 |
| Fernando Menegatti de Melo | I.P1.10, N.P1.55 | Flávia Mesquita Cabrini | S.P1.17 |
| Fernando Modesto Borges Oliveira | E.P1.42 | Flavia Regina Estrada | E.OR3.9 |
| Fernando Molin | L.P1.64 | Flavia Stefanini Ribeiro | B.P1.12 |
| Fernando Olmedo Carvalho | S.P1.6 | Flavia Suzany Ferreira dos Santos | R.P1.26, S.P1.10 |
| Fernando Pelegrini | K.P2.120 | Flavia Vitale | S.OR1.3 |
| Fernando Pereira Sabino | H.OR4.15, N.OR5.17 | Flávio Alexandre Carvalho | R.P3.180 |
| Fernando Ritter | J.OR3.9 | Flávio Camargo Cabrera | L.P1.28 |
| Fernando Rogério de Paula | C.P1.10, C.P1.13, F.P1.63 | Flávio César Guimarães | D.P1.29 |
| Fernando Santos Ortega | J.P1.36 | Gandra | |
| Fernando Sato | H.OR3.7 | Flavio Cesar Vicentin | F.P1.64 |
| Fernando Silva Pena | N.P1.4, N.P1.43 | Flávio de Castro Dutra | A.P2.128 |
| Fernando Soares dos Reis | O.P1.43 | Flavio Franchello | L.P1.46, L.P2.127, L.P2.98 |
| Fernando Soares Lameiras | P.P1.7 | Flavio Garcia | C.P1.54 |
| Fernando Stavale | I.OR3.8, L.P2.115 | Flávio Henrique Feres | L.P2.94 |
| Fernando Wypych | A.OR6.19, A.P1.35, A.P1.65, D.P1.13, H.OR1.3, H.OR4.16, H.P1.5, H.P1.6, J.P2.88, J.P2.90 | Flavio Horowitz | J.P1.12 |
| | | Flavio Leandro Souza | P.P2.80, P.P2.88 |
| | | Flávio Makoto Shimizu | J.P2.168, L.OR6.21, L.P1.10, L.P1.22, L.P1.24, L.P1.5, L.P1.7, N.OR2.5 |
| | | Flávio Paulo Milton | E.OR3.7 |
| | | Flavio Shimizu Shimizu | L.P1.13 |
| | | Flávio Soares Silva | V.P1.13 |
| | | Flavio Souza | E.P1.14, E.P1.50 |

| | | | |
|-------------------------------------|---|--------------------------------------|--|
| Flávio Vinícius Viana de Holanda | L.P1.20 | Francisco Ferreira Junior | K.P2.111 |
| Florence Pereira Novais Antunes | H.OR4.16, H.P1.21, H.P1.22, H.P1.3, H.P1.9, N.OR3.13 | Francisco Gracia Garoca | N.P1.1, O.P1.28 |
| Florencia Grinblat | D.P1.24, D.P1.25 | Francisco Heriberto Martinez Luzardo | A.P1.3 |
| Florian Meneau | K.OR4.19 | Francisco Javier Goyo Brito | J.P1.80 |
| Francelly Emilly Lucas | L.P1.52 | Francisco Javier Manjón | D.OR2.5 |
| Francesca Boccafoschi | R.OR4.12 | Francisco J. Mondelo Garcia | A.P2.143 |
| Francesca Cavallo | N.OR4.15 | Francisco José dos Santos | L.OR3.11 |
| Francesco Dal Corso | H.OR3.11 | Francisco José Grandinetti | J.P1.37 |
| Francesco Di Renzo | D.OR2.4 | Francisco José Moura | V.P1.34 |
| Francesco Fracassi | J.P1.42 | Francisco Moura Filho | N.P1.37 |
| Franciele Carlesso | K.P1.41 | Francisco Nivaldo Aguiar Freire | O.P1.53 |
| Franciele Fernanda Da Silva | J.P2.170 | Francisco Nunes de Souza Neto | A.P1.44, J.P1.78, J.P1.79, R.P2.112, R.P2.90, S.P1.8 |
| Franciele Flores Vit | R.P2.125, R.P3.187 | Francisco Pereira Lopes de Azevedo | P.P1.26 |
| Franciele Silva Mendes de Oliveira | G.P1.3 | Francisco Piorino Neto | K.P2.68 |
| Francieli Crivellaro | R.P2.60 | Francisco Rolando Valenzuela Diaz | A.P2.143, A.P2.148 |
| Francine Aline Tavares | A.P1.73, B.P1.8, E.P1.33, E.P1.34 | Francisco Sávio Mendes Sinfrônio | A.P1.75, C.P1.30, C.P1.35, C.P1.36, C.P1.5 |
| Francine Coa | Q.P1.16, Q.P1.24 | Francisco Trivinho-Strixino | J.P1.14, J.P1.66, J.P1.67, J.P1.81, J.P2.112 |
| Francineide Lopes de Araújo | L.P2.111 | Francisco Yastami Nakamoto | K.OR2.6, K.P1.1, K.P1.30, K.P1.46, K.P1.47, K.P1.48 |
| Francine Perri Venturini | Q.OR3.9 | Francis Kley Moreira | B.OR3.10 |
| Francine Tatsch | G.P1.3 | Françoise Toledo Reis | L.OR5.18 |
| Francio Souza Berti Rodrigues | M.P1.28 | François-Xavier Darras | N.OR3.11 |
| Francisca Célia da silva | J.P2.158 | Franco Sauvisky | L.P2.137 |
| Franciscarlos Gomes da Silva | C.P1.17 | Francys Kley Vieira Moreira | Q.P1.15, Q.P1.25, Q.P1.8 |
| Francisco Afrânio Cunha | F.P1.59 | Frank Marken | O.OR3.11, P.P2.75 |
| Francisco Anderson de Sousa Lima | O.OR3.5, O.P1.6, O.P1.9 | Frank Nelson Crespilho | L.OR4.15, L.P1.18, L.P1.19, L.P1.2, L.P1.3, L.P1.4, P.OR3.10 |
| Francisco Batista do Nascimento | T.P1.1 | Frank Nüesch | L.P2.113 |
| Francisco Benedito Teixeira Pessine | R.P1.12, R.P2.60, R.P2.81 | Frederico Alves Revoredo Júnior | C.P1.24, H.P1.29, H.P1.35 |
| Francisco Carlos Barbosa Maia | F.OR5.15, L.P2.72, M.OR5.12, M.P1.41 | Frederico Dias Brandão | F.OR6.18 |
| Francisco Carlos Lavarda | H.P1.14, H.P1.30, H.P1.34 | Frederico Girardi Knop | F.P1.12, F.P1.13 |
| Francisco Carlos Serbena | I.P1.27, I.P1.32, R.P2.124 | Frederik Seibt | S.OR1.3 |
| Francisco das Chagas Marques | M.OR6.20, O.OR3.8, O.P1.29, O.P1.34, O.P1.45, O.P1.57 | Fred Lacerda Amorim | R.P2.79 |
| Francisco de Assis Sousa | F.P1.59 | Fredrik Von Kieseritzky | O.P1.39 |
| Francisco Eduardo Gontijo Guimarães | L.P1.12, L.P2.99, M.OR5.13 | Fredy João Valente | P.P1.26 |
| Francisco E.G. Guimaraes | P.P2.82 | Fredy Niño | F.P1.60 |
| Francisco Erivan Melo | D.P1.3 | Fritz Huguenin | P.OR2.5, P.P1.23, P.P1.24, P.P2.64 |
| Francisco Fábio Oliveira de Sousa | R.P3.151 | | |
| Francisco Ferreira de Sousa | U.P1.7 | | |

G

| | | | |
|------------------------------------|-----------------------------------|-----------------------------------|--|
| Gabriela Augusta Prando | N.P1.16 | Gabriel Marques Rosa | L.P1.50 |
| Gabriela Bosco Minervino | P.P2.79 | Gabriel Mendes Hirayama Machado | V.P1.46 |
| Gabriela Byzynski Soares | A.P2.110, I.P1.8, I.P1.9, J.P1.71 | Gabriel Nagamine | M.P1.16, M.P1.4, N.OR6.23 |
| Gabriela Cordeiro Silva | F.P1.55 | Gabriel Pereira Freitas | I.OR3.8 |
| Gabriela de Carvalho Costa | H.P1.23, H.P1.24 | Gabriel Rabelo Coelho | A.P1.18, J.P1.17 |
| Gabriela Delli Colli Zocolaro | A.P2.101 | Gabriel Soares de Camargo Munaro | A.OR6.22 |
| Gabriela de Moraes Gouvêa Lima | R.P2.80, R.P3.156 | Gabriel S. Reis | J.P2.147 |
| Gabriela de Paula Oliveira | M.P1.22 | Gabriel Vieira Maia | I.P1.3 |
| Gabriela dos Santos Simões | R.P2.80, R.P3.156 | Gabriel Vieira Soares | A.OR6.21, A.OR6.24 |
| Gabriela Furlan Giordano | J.P2.98 | Gabriel Zazeri | B4GN, R.P1.29, R.P1.46 |
| Gabriela Helena Da Silva | Q.P1.24 | Gabriel Ziviani Vitiello | N.OR6.25 |
| Gabriela Kurokawa E Silva | K.P1.30 | Gaël Poirier | M.P1.31, M.P1.33, M.P1.42, M.P1.7, M.P1.8 |
| Gabriel Alves Candido da Silva | E.P1.32 | Gael Yves Poirier | M.P1.36, P.P2.78 |
| Gabriela Maria Matos Demiti | R.P1.14 | GALO CARDENAS | K.OR4.17, Q.OR3.12 |
| Gabriela Martinez | H.P1.17 | Gardênia Pinheiro | U.P1.7 |
| Gabriela Martins de Araújo | A.P1.19 | Gaston Eduardo Barberis | B6YF |
| Gabriela Moreira Lana | R.OR9.34 | Geanso Miranda de Moura | D.P1.2 |
| Gabriela Pasa Panesso | F.P1.74, J.P2.123, J.P2.150 | Gedeon Silva Reis | K.P1.7 |
| Gabriela Piovesan Santiago Suárez | K.P2.95 | Gehan Amaratunga | A.OR2.5 |
| gabriela sonai sonai | O.P1.32, P.P2.76 | Geiger Thomas | L.P2.113 |
| Gabriela Souza Silva | N.P1.61 | Geise Ribeiro | J.P2.165 |
| Gabriel Augusto Alemão Monteiro | R.P3.155 | Gelson Biscaia de Souza | I.P1.27, I.P1.32 |
| Gabriel Costa | A.OR5.16 | Gelson Luís Adabo | R.P2.124 |
| Gabriel de Brito Mello | I.P1.24 | Genda Chen | E.OR4.12 |
| Gabriel Dornela Alves da Rocha | N.P1.25, N.P1.47 | Genesis de Oliveira lima | N.P1.58 |
| Gabriel Ferreira Baptistone | K.P2.66 | Gennady Gusev | A.P1.7 |
| Gabriel Gaál | L.P2.80 | George Brian | A.P1.9 |
| Gabriel Gomes Baltazar Alves | H.P1.34 | George Nicolas Kontogiorgos | F.P1.50, K.P1.24 |
| Gabriel Gonçalves Pessoa de Castro | I.P1.33, J.P1.35 | Georgia Maria Amaral Junqueira | H.OR3.7 |
| Gabriel Henrique Nunes | L.P2.82 | Geovânia Cordeiro de Assis | J.P2.152 |
| Gabrieli Borges Ugioni | V.P1.12 | Geovani Rodrigues | K.P1.2, K.P1.3, K.P2.103, K.P2.125, K.P2.126 |
| Gabriel Kavilhuka Metzger | A.P2.117 | Geovany Albino de Souza | T.P1.4 |
| gabriella dayane ulrich | A.P1.41 | Gerald J. Meyer | O.P1.3 |
| Gabriella Rodrigues Daniel | P.OR3.7 | Geraldo Lúcio Faria | K.P2.61 |
| Gabriella Veronese | B.P1.7 | Geraldo Magela Trindade | A.OR9.31, A.P2.123 |
| Gabrielle Brehm Zanin | B2VE | Geraldo Silva | F.P1.12 |
| Gabrielle Melo Burigo | J.P2.89 | Gerardo Morell | A.OR4.15 |
| Gabriel Leonardo Nogueira | L.P2.107, L.P2.110, L.P2.136 | Gerhard Gobsch | O.OR3.9 |
| Gabriel Machado Machado | C.P1.62 | Germana Michelle Medeiros e Silva | P.P1.33 |
| Gabriel Marques Guimarães | D.P1.31 | Germano Andrade Siqueira | B.P1.31 |

| | | | |
|-------------------------------|---|-------------------------------|---|
| Germano Penello | A.OR3.7 | Gilza Maria Piedade Prazeres | N.P1.53, N.P1.58 |
| Germano Tremiliosi-Filho | K.OR3.10, P.P1.26 | Gino Capobianco | A.P2.113 |
| Gerson Ferreira Junior | H.P1.18 | Giovana Almeida Pimentel | M.P1.9 |
| Gerson Luiz Mantovani | B.OR3.10, B.P1.4, K.P1.56, P.P2.49, P.P2.61 | Giovana Artuzo Parolin | L.P2.135 |
| Gerson Marinucci | V.P1.45 | Giovana Ribeiro Ferreira | L.P1.32, U.OR3.7 |
| Getúlio Vasconcelos | J.P1.41, J.P1.43, J.P2.133 | Giovani Gonçalves Ribamar | U.P1.10 |
| G. Greaves | G.OR3.9 | Giovani Gozzi | L.P2.69, L.P2.70, L.P2.94 |
| Giacomo B. F. Bosco | N.OR5.19 | Giovanna Cristina da Silva | E.P1.53 |
| Gian Duarte | C.P1.28 | Batista | |
| Giane B Damas | P.OR6.18 | Giovanna Lara | R.P1.15 |
| Gianfranco de Mello Stieven | H.P1.10, K.P1.20, K.P1.33, V.P1.11 | Giovanna Machado | P.P1.33, P.P1.46 |
| Gianina A. Kloster | C.P1.7, C.P1.8 | Giovanni Barrera Torres | F.P1.2 |
| Gianina Andrea Kloster | C.P1.7 | Giovanni Bortoloni Perin | R.P2.54 |
| Gianina Kloster | C.P1.8 | Giovanni Da Vinci Oliveira | J.P2.141 |
| Gian Paulo Freschi | M.P1.31, M.P1.8 | Giovanni Di Santo | BAAK |
| Gilbert Bannach | H.P1.13, H.P1.2 | Giovanni Fanchini | N.P1.10 |
| Gilberto Campos Fuzari Junior | A.P2.108 | Giovanni Faus Salussolia | K.P2.77 |
| Gilberto Fabbris | D.P1.29 | Giovanni Paro Cunha | L.OR6.24 |
| Gilberto Fernandes de Sá | M.OR6.20 | Giovanni Pimenta Mambrini | J.P1.14 |
| Gilberto Ferreira Borges Jr. | L.P1.52 | Gisele Amaral-Labat | R.P1.19, V.P1.18 |
| Gilberto Magalhães Bento | K.P1.45 | Gisele de Freitas Gauze | R.P1.14 |
| Gilberto Medeiros Ribeiro | F.P1.44 | Bandoch | |
| Gilberto Petraconi Filho | J.OR3.12, J.P1.58, J.P1.62, J.P2.163 | Gisele Elias Nunes Pauli | L.P1.17 |
| Gilbert Silva | B6RV, F.P1.16, J.P2.166, K.P1.2, K.P1.3, K.P1.38, K.P1.58, K.P2.125, K.P2.126, K.P2.60, K.P2.64, K.P2.65, K.P2.72, K.P2.74, K.P2.81, K.P2.83, K.P2.87, K.P2.88, K.P2.97, V.OR2.9, V.P1.38 | Gisele Ferreira de Lima | P.P1.8 |
| Gildemberg Pereira de Barros | V.P1.26 | Gisele Rasia | B2VE |
| Silva | | Gisele Xavier Celante | P.P1.11 |
| Gilderlan Almeida Araújo | S.P1.2 | Giselle Fe Colls | A.P2.143 |
| Gildo Machado Ribeiro | S.P1.22 | Giselle Justo Zenker | R.P1.7 |
| Gilia Cristine Marques Ruiz | R.P3.177 | Gislaine Bezerra de Carvalho | S.OR2.5 |
| Gilles Henri Gauthier | E.OR1.3 | Barreto | |
| Gilmara Gonzaga Pedrosa | L.P1.20 | Gislayne Sabrina de Lira Paes | J.P2.127 |
| Gilmar Marques | N.P1.31 | Gislene Valdete Martins | K.P1.8, O.P1.4 |
| Gilmar Patrocínio Thim | J.P1.62 | Gislene Zehetmeyer | B2VE |
| Gilmar Patrocínio Thim | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 | Giulia Elisa Guimarães | R.P1.6 |
| Gilson José Rodrigues | C.P1.62 | Gonçalves | |
| | | Giulia Maria Rodrigues | P.P2.61 |
| | | Alvares | |
| | | Giuliana Thalina Franco | J.P1.32 |
| | | Giuseppe Mele | R.P3.178 |
| | | GIUSEPPE STRANGI | L.OR3.7 |
| | | Giuvanni Mutton | P.OR3.7 |
| | | Givanildo Alves dos Santos | K.OR2.6, K.P1.1, K.P1.23, K.P1.30, K.P1.46, K.P1.47, K.P1.48, K.P2.124 |
| | | Gizilene Maria de Carvalho | R.P2.53, R.P3.135, V.P1.6, V.P1.8 |
| | | Gladis Camarini | V.P1.16, V.P1.17, V.P1.36 |
| | | Glaucia Regina Silva Pita | J.P1.41 |
| | | Glaucio Braga Ferreira | N.P1.19 |
| | | Glaucio Oliveira Testoni | A.OR9.38 |

| | | | |
|-------------------------------|---|-------------------------------|--|
| Gláucio Soares da Fonseca | K.P1.27 | Guilherme Gorgen Lesseux | C.P1.19, C.P1.20 |
| Glauco Meireles Mascarenhas | E.P1.44 | Guilherme Koszeniewski | A.OR6.21 |
| Morandi Lustosa | | Rolim | |
| Glaura Goulart Silva | A.P1.28, P.P2.55, P.P2.63 | Guilherme Kretzmann | J.P2.160, P.P2.91 |
| Glécia Virgolino da Silva Luz | O.P1.62 | Belmonte | |
| Gleice Botelho | F.P1.68, J.P2.167, P.P2.77 | Guilherme Kubo Ribeiro | F.P1.49 |
| Gleice Ellen Almeida Verginio | S.P1.19 | Guilherme Lima Lopes | A.P2.144 |
| Gleison Souza | B.P1.32 | Guilherme Lopes do Lago | R.P2.54 |
| Glenda Biasotto | A.P2.120 | Guilherme Matos Sipahi | N.OR5.17 |
| Glenda Gisela Ibanez | A.P2.139 | Guilherme Mendes Martins | U.P1.14 |
| Gloria Maria Farias Viegas | F.P1.41 | Guilherme Oliveira Barbosa | R.OR2.4 |
| Aquije | | Guilherme Pazini Abatti | J.P1.11 |
| Gloria Viegas Aquije | F.OR4.13 | Guilherme Rodrigues | J.P1.46, J.P1.47, J.P1.61 |
| Golfer Muedas Taipe | R.OR9.32 | Guilherme Rodrigues de Lima | L.P2.101, L.P2.102, L.P2.105, L.P2.109 |
| Gonçalo Rodrigues Pardal | K.P2.102 | Guilherme Rolim | A.OR6.24 |
| Gong Chen | O.OR3.6 | Guilherme Seidi Sasaki | E.P1.21 |
| Graciela da Costa Pedro | J.P2.115, R.P2.70 | Guilherme Sombrio | M.P1.28 |
| Graciela I. B. Muniz | B.P1.14 | Guilherme Tavares de Melo | P.P1.34 |
| Gracielle Ferreira Andrade | R.P2.68 | Guilherme Torres Marques | O.P1.42 |
| Graciely Elias dos Santos | F.P1.44 | Vidal | |
| Graciete Solange Capella | J.P2.93 | Guilherme Vilela Ferreira | K.P1.40, R.P2.58 |
| Graziela Cristina Sedenho | L.P1.3 | Guilhermina Ferreira Teixeira | A.P2.82, A.P2.83 |
| Graziela da Silva Savonov | K.P1.41 | Guilhermino José Macedo | A.OR8.30 |
| Graziele Aparecida de Jesus | R.P3.147 | Fechine | |
| Aguiar | | Guillaume Maurin | P.OR5.13 |
| Gregorio Couto Faria | L.OR6.24, L.P2.88 | Guillermo Gomez Silva | C.OR6.17 |
| Greice K. B. Costa | M.OR1.2 | Guillermo Gonzalez-Moraga | P.P2.89 |
| Greice Kelly Bezerra da Costa | M.OR5.16 | Guillermo Solorzano | Q.OR3.12 |
| Greice Kelly dos Santos Brito | H.P1.20 | Gurpreet Singh | A.OR7.26 |
| Grzegorz A Potoczny | O.OR4.14 | Gustavo Alexandre Viana | O.OR3.8 |
| Guaracy Silva Junior | A.P1.24 | Gustavo Almeida Magalhães | L.P2.82, M.P1.39 |
| Guilherme Altomari Geríbola | J.P2.97 | Sáfar | |
| Guilherme Arantes | A.OR9.34 | Gustavo Bezerra da Silva | C.OR3.5 |
| Guilherme Augusto Justen | L.P1.64 | Gustavo Brunetto | H.P1.40 |
| Guilherme Botton Santos | K.P2.64, K.P2.65, K.P2.81 | Gustavo Ceballos | A.OR6.25 |
| Guilherme Brum da Luz | V.P1.42 | Gustavo da Rosa Cunha | A.P2.93 |
| Guilherme Cañete Vebber | J.OR2.5 | Gustavo de Medeiros Azevedo | D.P1.7 |
| Guilherme da Silva Lopes | H.P1.43 | Gustavo de Mello Correa | A.P2.124 |
| Fabris | | Marinho Rodrigues | |
| Guilherme da Silva Miranda | L.P2.74 | Gustavo de Souza Machado | K.P1.50 |
| Guilherme de Souza Braga | L.P2.95 | Gustavo Fernandes Souza | M.OR2.4, M.P1.11, M.P1.22, M.P1.32, M.P1.5, M.P1.9 |
| Guilherme Dognani | L.P1.26, L.P1.28, L.P1.60, L.P1.63, U.P1.11, U.P1.15, U.P1.3 | Gustavo Foresto B. Almeida | L.OR1.3, M.P1.12 |
| Guilherme Elias Silva | O.P1.11 | Gustavo Gonçalves Dalkiranis | B2J6 |
| Guilherme Frederico Bernardo | Q.OR3.10, | Gustavo H. D. Tonoli | B.OR3.5 |
| Lenz e Silva | Q.OR3.11, R.P1.19, V.P1.18 | Gustavo Henrique de | H.P1.42, J.P1.69 |
| Guilherme George Lesseux | C.P1.72 | Magalhães Gomes | |
| | | Gustavo Henrique Rodrigues | R.P2.129 |
| | | da Silva | |

| | | | |
|-------------------------------------|---|--|--|
| Gustavo José Vasconcelos Xavier | G.P1.4 | Heide Heloise Bernardi | K.P2.90 |
| Gustavo Machado Domingues Caetano | A.P1.5, J.P1.15, J.P2.94 | Heinz von Seggern | L.OR7.26, L.P2.88 |
| Gustavo Marciniuk | A.P2.150, P.P2.50, V.P1.47 | Heitor Augusto Pinto Cavalli | J.OR3.8 |
| Gustavo Riether | EXP4.7 | Heitor Conde Figueiredo | K.P2.70 |
| Gustavo Roberto Ramos | D.P1.19 | Heitor Morales | J.P2.154 |
| Gustavo Rocha Castro | J.P1.23 | Heizir Ferreira de Castro | J.P2.161, P.P1.32, P.P2.85 |
| Gustavo Sanguino Dias | E.P1.11, E.P1.41, E.P1.8 | Helder Galeti | N.P1.16, O.P1.23 |
| Gustavo Senra Gonçalves de Carvalho | H.P1.22, H.P1.9, N.OR3.13 | Helder Keitaro Arcari Ambo | K.P2.121 |
| Gustavo Targino Valente | L.P2.99 | Helder Nunes da Cunha | L.P2.91 |
| Gustavo Wegher | A.P1.17 | Helena Augusta Lisboa de Oliveira | C.P1.17 |
| Gustavo Wiederhecker | N.OR6.20 | Helena Bacha Lopes | R.P2.84 |
| Guy Koeckelberghs | M.P1.27 | Helena Maria Petrilli | C.OR4.12, H.P1.26, R.P3.136 |
| György József Jaics | K.P2.66 | Hélio C. N. Tolentino | F.P1.64 |
| H | | Hélio Merá de Assis | J.P2.109 |
| Hagen Klauk | B.OR2.4, N.OR3.7 | Hélio Obata | N.P1.44 |
| Haifaa Alghamdi | N.P1.16 | Heloisa Andréa Acciari | R.P1.3 |
| Hakinny Loyra de Medeiros Vieira | D.P1.12 | Heloisa N. Bordallo | B6RQ, G.OR1.1, G.P1.5 |
| Hállen Daniel Rezende Calado | O.P1.25 | Heloisa Pinto Dias | F.OR4.13, F.P1.41 |
| Halley Caixeta de Oliveira | Q.P1.4 | Heloisa Regina Turatti Silva | J.P2.89, V.P1.10 |
| Hamid Reza Darabian | M.P1.17 | Heloise de Oliveira Pastore | O.OR4.16, O.P1.7 |
| Hamilton Ferreira Gomes de Abreu | K.P2.76 | Helton Maia Peixoto | S.OR2.4 |
| Hannes Winkler | D.OR4.10 | Helton Pereira Nogueira | J.P2.114 |
| Hans-Michael Petri | EXP4.7 | Henara Líllian Costa | A.OR6.23 |
| Harald Bock | L.OR7.26, L.P2.103, L.P2.121, L.P2.122, L.P2.126, L.P2.137, L.P2.81 | Henri Ivanov Boudinov | M.P1.28 |
| Harald Hoppe | O.OR3.9 | Henrik Ronnow | D.OR4.10 |
| Harold Jose Camargo Avila | L.OR6.20, L.P2.115 | Henrique Batista Duffles Teixeira Lott Neto | G.P1.4 |
| Haroldo Cavalcanti Pinto | K.OR1.2 | Henrique Bortolaz de Oliveira | A.OR6.19, A.P1.65 |
| Haroldo Gurgel Mota Filho | R.P3.164 | Henrique Brolezi Nunciaroni | O.P1.55 |
| Harolds Wilson Lourenço Silva | J.P1.37 | Henrique Cesar Musetti | E.P1.49 |
| Harrison H Lee | L.OR2.6 | Henrique de Santana | L.P2.119 |
| Harry Westfahl Jr | F.P1.48, F.P1.64 | Henrique Eisi Toma | A.P2.102, I.P1.10, J.P2.114, K.P2.69, N.P1.55, O.P1.1, O.P1.60, P.P1.12, P.P1.13 |
| Hazel Assender | M.OR3.7 | Henrique Ferreira | A.P1.7, A.P2.141 |
| Hebe Mercedes Villullas | P.P1.42, P.P1.43, P.P1.44 | Henrique Guimarães Rosa | A.OR4.14 |
| Hector Amaro Virginia | R.P1.9, V.P1.12 | Henrique Leonel Gomes | L.OR4.13 |
| Hector Reynaldo Meneses Costa | J.P1.3 | Henrique Limborço | P.P1.45 |
| Hector Reynaldo Menezes Costa | A.P2.145, A.P2.149 | Henrique Takaaki Tamoto | R.P3.174 |
| | | Henrique Thadeu Baltar de Medeiros Cabral Moraes | M.OR5.15 |
| | | Henry Yesid Bustos | F.OR2.6, F.P1.60, H.P1.7 |
| | | HERBERT DUCHATSCH JOHANSEN | J.P1.44 |
| | | Hercílio Gomes de Melo | I.P1.31, K.P1.47, K.P1.48 |

| | | | |
|--|---|-------------------------------------|--|
| Herick Garcia Takimoto | L.P2.67, L.P2.68, O.P1.31 | Ialy Fernanda Gonzaga Martins | H.P1.29, H.P1.35 |
| Herivaldo Pascoal da Silva Filho | K.P1.31 | Iasmin Cunha Araujo | R.P1.8 |
| Herman Pessoa Lima Júnior | F.P1.51 | Içamira Costa Nogueira | E.P1.57, N.P1.27, N.P1.3, N.P1.36, N.P1.68 |
| Hermi Felinto Brito | C.OR3.7, C.OR3.8, C.P1.42, C.P1.59 | Icoana Lais Leitão | O.P1.62 |
| Hermínia Veridiana dos Santos Pessoni | C.P1.15 | Mascarenhas Martins | |
| Hernandes F. Carvalho | R.OR2.4 | Idejan Padilha Gross | B.P1.6 |
| Hernane Silva Barud | B.OR3.9 | Idelma A. A. Terra | L.P1.12 |
| Heveline Dal Magro Follmann | R.P1.2 | Idomeneu Gomes de Souza Filho | L.P2.90 |
| Hind Albalawi | O.P1.23 | Ieda Lúcia Viana Rosa | A.P1.73, A.P1.74, M.P1.18, N.P1.36 |
| Hiroshi Aoyama | A.OR9.35 | Iêda Maria Garcia Santos | J.OR4.16, J.P2.127, J.P2.162, V.P1.26 |
| Hisashi Doi | R.OR9.33 | Ieda Maria Martinez Paino | Q.P1.18, Q.P1.19, Q.P1.20, R.P1.48 |
| Hissae Fujiwara | G.P1.4 | Iedo Alves de Souza | E.P1.57, E.P1.58, K.P2.110 |
| Homero Santiago Maciel | J.P1.58 | Ifor D.W. Samuel | PS005.6 |
| Hongen Xie | F.P1.22 | Igor Alexsander Barbosa Magno | K.P1.26, K.P1.43, K.P2.73 |
| Honória de Fátima Gorgulho | A.P1.50, A.P2.100, A.P2.95, L.P1.49 | Igor Carvalho | F.P1.18, F.P1.23, J.P2.104 |
| Horst-Günter Rubahn | O.OR3.6, O.OR3.9 | Igor dos Santos Gomes | F.P1.58 |
| Hubertus Marbach | I.OR1.1 | Igor Frota de Vasconcelos | O.P1.9 |
| hugo adalberto klahn | K.OR4.17 | Igor Konieczniak | F.P1.44 |
| Hugo Águas | B.P1.25 | Igor Osorio Roman | M.P1.21, R.P2.64 |
| Hugo Alarcón Cavero | C.P1.49, N.OR5.18 | Igor Pessoa Miranda | M.P1.23 |
| Hugo Alfonso Rojas | I.P1.15 | Igor Polikarpov | P.P2.70 |
| Hugo Alvarenga Oliveira | A.P2.151 | Igor Ricardo Prado da Silva | K.P1.42 |
| Hugo Bonette de Carvalho | C.P1.57, C.P1.62, O.P1.14, P.P2.92 | Igor Saulo Santos de Oliveira | A.P1.15 |
| Hugo C. Braga | L.P1.38 | Igor Silva | R.P3.146 |
| Hugo Freitas Pimentel | J.P2.171 | Igor Tenório Soares | R.P2.52 |
| Hugo Gallardo | L.P1.38, L.P1.52, L.P1.58, L.P2.122, L.P2.137 | Igor Yamamoto Abe | O.P1.17 |
| Hugo José Dias Mello | L.P1.1 | I. G. Solórzano | C.P1.22, F.P1.40, F.P1.72 |
| Hugo Ricardo Zschommler Sandim | K.P2.90 | I Instrutécnica | EXP5.9 |
| Hui Ling Ma | R.P2.99 | Ildebrando Freires de Brito | F.P1.55 |
| Humberto Araujo Machado | J.P2.163 | Inacio Maria dall Fabbro | K.P1.30 |
| Humberto de Melo Brandão | Q.P1.26, Q.P1.27 | Inacio Regiani | D.P1.18 |
| Humberto Gomes Ferraz | R.P2.67 | Indianara Alves Fernandes | J.P1.68 |
| Humberto Naoyuki Yoshimura | R.P3.174, S.P1.6 | Inès Pereyra | A.P1.63, A.P2.135 |
| Humberto Rigamonti Júnior | C.P1.46 | Ingrid David Barcelos | M.P1.41 |
| Hunos Paixão Madureira | L.P2.124 | Ingrid Regina dos Santos Lacerda | K.P1.22 |
| Hunter McDaniel | M.OR3.8, M.P1.4 | Ingrid Tavora Weber | J.OR4.16, J.P1.74 |
| Hyor Andrew da Silva | F.P1.32 | Ioannis Kymissis | L.OR3.9 |
| | | Iolanda Midea Cuccovia | R.P2.61 |
| I | | Irã Borges Coutinho Gallo | P.P1.43, P.P1.44 |
| Iaci Miranda Pereira | F.P1.27, F.P1.67 | Iram Taj Awan | L.P1.59 |
| Iain Mckenzie | A.OR9.34 | | |

| | | | |
|--------------------------------------|--|-------------------------------------|---|
| IRENE TERESINHA | P.P2.86, P.P2.87 | Ivênio Teixeira de Souza | K.P1.25 |
| SANTOS GARCIA | | Ivo Alexandre Hümmelgen | L.OR7.28, P.P1.47 |
| Irineu Hattenhauer | A.P2.117 | Ivo Mateus Pinatti | J.P2.167, N.P1.36 |
| Irvin Bryan Machado Ferraz | J.P1.74 | Ivone Regina de Oliveira | R.P1.4, R.P1.5, R.P3.137 |
| Isaac Pericles Maia Medeiros | I.P1.34 | Ivo Utke | C.OR5.15 |
| Isaac Rodrigues Perez | P.OR5.14 | Ivy Turci Aoke | R.P3.137 |
| Isabela Corteletti Rocha | O.P1.16, O.P1.22 | Izabel Fernanda Machado | E.OR1.2, P.P1.5 |
| Isabela Costa Mendes Peres | A.P1.64 | | |
| Isabela dos Santos Catozzo | M.P1.42 | J | |
| Isabela Maria Martins | R.P2.80, R.P3.156 | Jacek Wojcik | N.OR5.19 |
| Isabela Rosado Belê | A.P2.114, K.P2.104, K.P2.117, R.OR5.16 | Jacek Wychowaniec | A.P2.140 |
| Isabel Cristina de Freitas | M.P1.40 | Jackeline Barbosa Brito | D.OR4.8, D.P1.4, D.P1.5 |
| Isabel C. S. Carvalho | M.OR1.2, M.OR5.16, M.P1.29 | Jackeline Moraes Malheiros | S.P1.28, S.P1.30 |
| Isabella Batista Graça Grego | V.OR2.9 | Jacob T Robinson | S.OR1.3 |
| Isabella Franco de Bastos Cirello | E.P1.52 | Jacqueline Ferreira | L.OR5.16, L.P1.39, M.OR2.5, M.OR2.6, M.P1.25, O.OR3.10, O.P1.12, O.P1.50 |
| Isabel Liz Castro Merino | K.P2.120 | Jacqueline Ferreira Leite Santos | M.OR2.4 |
| Isabel Souza Dinola | F.P1.55 | Jacqueline Santiago Nojosa | R.P1.33, R.P1.33, R.P3.151 |
| Isac Kiyoshi Fujita | K.P1.30 | Jacques Huot | P.OR4.11, P.P1.6 |
| Isadora Góss | K.OR2.4 | Jacson Malcher Nascimento | K.P1.26, K.P1.43, K.P2.73 |
| Isha N. Haridass | A.P1.48 | Jader Géa Garcia | V.P1.37 |
| Isidro Cruz-Cruz | P.P1.47 | Jadielson Lucas Antonio | J.P1.5 |
| Ismael Casagrande Bellettini | R.P2.59 | J. A. Hinks | G.OR3.9 |
| Ismail Es | R.P2.83 | Jailson dos Ssntos Silva | L.P1.27 |
| Isnard Domingos Ferraz | O.OR4.13 | Jaime Camargo González | J.OR3.11 |
| Isolda Costa | F.P1.33, I.P1.31, J.P1.56, K.P2.118 | Jaime Ricardo Vega Chacon | R.P1.13 |
| israel roger montoya matos | D.OR4.8 | Jaime Tupiassú Pinho de Castro | K.OR2.5 |
| Ítalo Azevedo Costa | J.P1.73 | Jair Francisco Rodrigues | O.OR4.14 |
| Ítalo Martins Oyarzabal | G.P1.3 | Jair Francisco Souza Magalhães | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, V.P1.31 |
| Italo Odone Mazali | C.P1.39, L.P2.132, Q.OR1.3, T.P1.5 | Jairo Luís Dos Santos Dutra | C.P1.31 |
| Ivair Aparecido Santos | E.P1.11, E.P1.41, E.P1.8 | Jair Pedralli Pedralli | I.P1.29 |
| Ivaldete da Silva Dupim | P.P1.6, P.P2.88 | Jair Scarminio | P.P1.15, P.P1.18, P.P1.20, P.P1.21 |
| Ivaldo De Domenico Valarelli | J.P1.22, J.P2.111 | Jake Fontana | M.OR1.2, M.OR5.16 |
| Ivana Cesarino | H.P1.30 | Jakob Heier | L.P2.113 |
| Ivana Miletto | R.P1.30 | James Durrant | L.OR2.6, P.P2.90 |
| Ivan de Paula Miranda | C.OR4.12 | James Kirkpatrick | R.OR1.1 |
| Ivan Dias | L.P1.46 | Jamile Thön Langbehn | R.P1.28, R.P1.9 |
| Ivanei Ferreira Pinheiro | A.P2.107, A.P2.127 | Janaína A. Dernowsek | R.OR3.9 |
| Ivan Frederico Lupiano Dias | L.P2.98 | Janaina Bastos Depianti | G.P1.6 |
| Ivan H. Bechtold | L.OR7.26, L.P1.17, L.P1.38, L.P1.52, L.P2.103, L.P2.121, L.P2.122, L.P2.126, L.P2.137, L.P2.78, L.P2.81 | | |
| Ivan H. J. Koh | R.OR6.22 | | |
| Ivan Kwei Liu Kam | J.P1.28 | | |
| Ivan Lima | J.P2.118 | | |

| | | | |
|--------------------------------------|---|--|--|
| Janaína Menezes Perez | L.P2.125 | Jefferson Bettini | C.P1.31, F.OR3.9, N.OR3.9, |
| Janaína Simões Lima | C.P1.69 | | N.OR4.16, N.P1.22, Q.OR1.3 |
| Janaina Soares Santos | J.P1.14, J.P1.67, J.P2.112 | Jefferson Carnevalle Rodrigues | R.P3.134 |
| Janaína Versiani dos Anjos | A.OR7.28 | Jefferson Esquina Tsuchida | L.P1.29 |
| Janaíne Rocio Ivassechen | J.P1.23 | Jefferson Fabrício Cardoso Lins | I.P1.33, J.P1.35 |
| jandrews lins gomes | C.P1.28, C.P1.29, H.P1.29, H.P1.35 | Jefferson Luis Ferrari | F.P1.62, I.P1.17, I.P1.18, I.P1.19, I.P1.20, L.P1.11, M.P1.31, O.P1.16, O.P1.18, O.P1.21, O.P1.22, O.P1.24, O.P1.38, P.P2.81 |
| Jane Maria Faulstich de Paiva | V.P1.5, V.P1.9 | | |
| Janice Caroline Hardt | J.P2.170, R.P2.116, R.P2.119 | Jefferson Márcio Sanches Lopes | L.P1.55 |
| Janice Rodrigues Perussi | R.P2.99 | Jefferson Patrício Nascimento | A.P1.64, A.P2.100, A.P2.128 |
| Janine Contro | I.P1.16 | Jefferson Silva Martins | L.P1.38 |
| Janine Sanches Gonzaga de Camargo | J.P2.153 | Jeffrey E. Grice | A.P1.48 |
| Janiny Nunes Lacerda | C.P1.45 | Jeffrey W Lynn | G.OR1.2 |
| Janne Puustinen | N.P1.16 | Jeffrey W. Lynn | G.P1.1 |
| Jan Ringnalda | EXP3.6 | Jeison Fonseca | R.P2.127 |
| JANUÁRIO KORDIAK | P.P1.14, P.P1.16 | Jenaina Ribeiro Soares | A.P1.16 |
| Jaqueline Alves Coelho | L.P1.34 | Jennifer Cláudia Passos Teixeira | O.P1.42 |
| Jaqueline de Assis Oliveira | V.P1.2 | Jenny Nelson | L.OR2.6, L.P2.111, O.OR4.15 |
| Jaqueline de Souza da Silva | P.P2.57 | Jerémy Brisbois | C.OR6.21 |
| Jaqueline dos Santos Soares | R.P2.91 | Jeremy N Munday | O.OR2.3 |
| Jaqueline Nascimento Silva | R.P2.104 | Jérôme Depeyrot | C.P1.17, J.P2.145 |
| Jaqueline Pérola Souza | Q.OR3.9, Q.P1.13 | Jérôme Rouquette | D.OR2.4 |
| Jarem Raul Garcia Garcia | A.P2.150, P.P2.50, V.P1.47 | Jerzy Hanuza | D.P1.1 |
| Jaroslaw Z. Domagala | N.OR6.24 | Jessica Aparecida Nascimento Ferreira | E.P1.4 |
| J. Arout Chelvane | C.OR6.23 | Jéssica Ariane Oliveira | J.P1.72, P.P2.78 |
| Jason A. Burdick | A.P1.45 | Jéssica Cristina Costa de Castro | K.OR3.15 |
| Jason Guy Taylor | L.P1.47 | jessica cristina da silva gualberto | O.P1.54 |
| Jason Rohr | L.OR2.6 | Jessica de Carvalho Arjona | A.P2.124 |
| Javier Andrés Munoz Chaves | A.P2.131 | Jéssica Eliza Silva Fonsaca | A.P2.134 |
| Javier Ojeda | Q.OR3.12 | Jéssica Fernanda Baretta | Q.P1.13 |
| Jean Besson | Q.OR3.8 | Jéssica Fernandes Silva | A.P1.30 |
| Jean Carlo Souza | C.P1.11, C.P1.12, C.P1.19 | Jéssica Marcon Bressanin | A.P1.21 |
| Jean Claude M'Peko | E.OR3.8, N.OR2.5 | Jéssica Oliveira Rodrigues | C.P1.35 |
| Jean de Souza Matias | C.P1.41 | Jessica Santos Rego | O.P1.2 |
| JEAN DILLE | F.OR5.14 | Jessica Silva Santos | A.P2.124 |
| Jean-Louis Bobet | P.P2.88 | Jessica Taeko Sanches Kohara | A.P2.101, E.P1.7 |
| Jean-Marc Thibaud | D.OR2.4 | | |
| Jean Mimar Santa Cruz Yabarrena | F.P1.52 | | |
| Jean-Paul Gaston | J.P2.104 | | |
| Jean-Pierre Celis | R.OR7.26 | | |
| Jean Silva Rodrigues | F.P1.37 | | |
| Jean Valdir Uchoa Teixeira | K.P2.113, K.P2.114, V.P1.28, V.P1.46 | | |
| Jeferson Ferreira de Deus | A.P1.17, L.P1.46, L.P1.62 | | |

| | | | |
|--------------------------------------|--|---------------------------------|-----------------------------|
| Jessyka Carolina Bittencourt | L.P1.26, L.P1.28, L.P1.60, L.P1.63, L.P2.118, U.P1.11, U.P1.15, U.P1.3 | João Luís da Silva Júnior | J.P2.171 |
| Jesualdo Luiz Rossi | F.P1.33 | João Manoel Barbosa Pereira | M.OR5.16 |
| Jesus Arbey Benavides | S.P1.27 | João Marciano Laredo dos Reis | A.P2.145, A.P2.149 |
| Jesus Eduardo Gonzalez Ruiz | A.P2.148 | João Marcos Brandet | M.P1.18 |
| Jesús Jacobo Hernández-Montelongo | R.OR7.25 | João Marcos Madurro | I.P1.14 |
| Jhessica de Cássia Mendonça | A.P2.109, N.P1.49 | João Mariz Guimarães Neto | L.P2.89 |
| Jheyce Cristina Moraes | B.P1.23, B.P1.24 | João Otávio Donizette Malafatti | B.P1.11, B.P1.12, E.P1.51 |
| Jhon Alexander Peñafiel | O.P1.10, O.P1.58 | joão otávio ferreira | A.P1.41 |
| Jhonatam de Oliveira Carvalho | D.P1.2 | João Paulo Almeida de Mendonça | H.OR3.7 |
| Jhones Luis Oliveira | Q.P1.1 | JOÃO PAULO ALVES SILVA | P.P1.32 |
| Jhonny Dias Oliveira | K.P2.91 | João Paulo Braga | L.P2.102, L.P2.109 |
| Jiang Kai | L.OR7.27 | João Paulo Campos Trigueiro | P.P2.63 |
| Jiaxi Stephen Yan | S.OR1.3 | João Paulo Carvalho Alves | O.P1.6 |
| Jiaying Wu | L.OR2.6 | João Paulo de Campos da Costa | A.P2.120, E.OR6.21, E.P1.44 |
| Jiho Yoon Yoon | L.OR3.9 | João Paulo Sinnecker | C.P1.53, C.P1.67 |
| Jilian Nei de Freitas | A.P1.56, L.OR5.17 | João Paulo Vita Damasceno | Q.OR1.3 |
| Jivago Vieira Muniz da Silva | K.P1.31, K.P1.32 | João Paulo Winiarski | J.P2.129, J.P2.91 |
| Joab Serra Rodrigues da silva | L.P1.23, L.P1.31 | João Pedro Aquiles Carobolante | R.P2.94 |
| Joana Claudio Pieretti | M.P1.40 | João Pedro Barros Cuba | L.P1.40 |
| Joana Mesquita Guimarães | R.P3.162, R.P3.166 | João Pedro Conte Sobrinho | I.P1.30 |
| Joana V Pinto | B.P1.19 | João Roberto Ferreira | K.P1.57, K.P1.58 |
| Joandson Aníbal de Sousa | J.P2.127 | João Roberto Moro | K.P1.48, R.P2.127 |
| Joanisa Possato Curtulo | K.P1.39 | João Victor Narducci Ferreira | R.P3.152 |
| João Afonso da Silva Neto | I.P1.14 | João Vitor Paulin | L.P1.49 |
| João Alziro Herz da Jornada | D.OR4.8, D.P1.4, D.P1.5 | JOAQUIM BRASIL FILHO | O.OR2.4 |
| João Batista Fogagnolo | J.P1.10, J.P1.21, R.P1.50 | Joaquim F. M. C. Pratas Leitão | O.P1.42 |
| João Batista Giordano | J.P2.98 | Joaquim Paulo da Silva | L.P1.29, N.OR3.10 |
| João Batista Neto | R.P3.160, R.P3.183 | Jo Dweck | V.P1.44 |
| João Batista Santos Barbosa | R.P3.131 | Johanna Valenzuela Oses | H.P1.4 |
| João B. Floriano | L.P1.34, L.P1.48 | Johannes Gierschner | H.P1.14 |
| João Cardoso de Lima | D.P1.23, D.P1.26, D.P1.27, F.P1.35, F.P1.45 | John Jacob Neumeier | C.P1.77 |
| João Carlos Alves | P.P1.15 | John Jairo Hoyos | K.OR3.8 |
| João Carlos Angélico | N.P1.18, P.OR5.15 | Johnnatan Duarte de Freitas | L.P1.27 |
| João Carlos Biazon | J.P2.111 | Johnnatan Rodríguez | K.OR1.2, K.OR3.8, K.P2.119 |
| João Carlos Martins | P.P2.53 | Jonas Björk | B2DY |
| João Fiori | EXP3.5 | Jonas de Arruda Leite Júnior | P.P1.23 |
| joao frederico haas leandro monteiro | N.P1.45 | Jonas dos Santos Sousa | L.P1.23 |
| João Gustavo Cardoso Semensin | V.P1.48 | Jonas Gruber | L.P1.6 |
| João Henrique Ghilardi Lago | R.P1.6, R.P3.152 | Jonas Henrique Osório | M.P1.10 |
| João Hermes Clerici | N.P1.44 | Jonas Jakutis Neto | J.P1.28 |
| Joao Lucas Rangel | F.P1.18, F.P1.23, J.P2.104 | Jonas Mendes | K.P2.72, K.P2.74, K.P2.88 |
| João Lúcio Barros | P.P2.96 | Jônatas Faleiro Berbigier | L.P2.125 |
| | | Jonathan Gazzola | K.P1.30 |
| | | Jonathas de Paula Siqueira | M.OR5.13 |
| | | Jonder Moraes | F.P1.47 |

| | | | |
|---|---|---|--|
| Jonhatan Hanel | D.OR4.10 | José Auri Pinheiro | S.P1.2 |
| Jonnas Santos Alves | K.P1.21 | José A. Varela | A.P1.73, A.P1.74, E.OR6.18, E.P1.42, J.P2.119, N.P1.2 |
| Jordana Borges Griep | L.P1.39 | | |
| Jordanna Fernandes Assis | R.P2.93 | José Bragança | L.OR4.13 |
| Jorge Augusto de Moura Delezuk | J.P2.168, L.P1.10 | José Brant Campos | J.P1.51, R.P3.148 |
| Jorge da Silva Shinohara | K.P2.69 | José Brant de Campos | F.P1.51 |
| Jorge Henrique da Silva Araújo | F.P1.42 | José Bruno Cantuária | L.P2.105 |
| Jorge Luís Lauriano Gama | F.P1.53 | Jose Carlos Dutra Filho | A.P2.121 |
| Jorge Luis Lopez Aguilar | J.P1.86, R.OR6.23 | José Carlos Germino | L.OR5.17 |
| Jorge Luis Machado Amaral | F.P1.51 | José Carlos Gomes | A.OR4.14 |
| Jorge Luiz Rosa | F.P1.16 | José Carlos Leandro de Sousa | I.P1.17 |
| Jorge Mario Osorio Guillén | B6NB | José Carlos Moreira | R.P2.109 |
| jorge Morales Hernández | J.OR3.11 | José Carlos Pinto | R.P2.82, R.P3.139 |
| Jorge Nahuel Pecina | J.P1.16 | José Costa de Macêdo Neto | A.P2.107, A.P2.127 |
| Jorge Otubo | J.P1.4 | José D'Albuquerque e Castro | C.P1.67 |
| Jorge Pimentel | J.P2.123 | José Daniel Biasoli de Mello | A.OR6.23 |
| Jorge Ricardo Mejía Salazar | M.OR5.12 | José de los Santos Guerra | E.OR3.11, E.OR3.8, E.P1.25, E.P1.5, P.P2.83 |
| Jorge Tadao Matsushima | A.P2.98, A.P2.99, P.P1.25, P.P2.69 | José Domingos Ardisson | C.P1.55, F.P1.28, F.P1.61, J.P1.33, R.OR9.34, R.P1.32 |
| Jorge Teófilo Barros Lopes | K.P1.33 | José Domingos Fabris | J.P1.33, P.P2.71, P.P2.72 |
| Jorge Vicente Lopes da Silva | R.OR3.9, R.OR7.24, R.P1.26, R.P2.79 | José Edmilson Martins Gomes | K.P1.58 |
| Jorge William Engelmann | R.P2.119 | José Eduardo Padilha de Sousa | A.OR3.6 |
| Jorgimara de Oliveira Braga | I.P1.33, J.P1.35 | José Elizalde-Galindo | C.OR2.4 |
| Jorg Sichelschmidt | C.P1.61 | José Enrique Eirez Izquierdo | L.P1.43 |
| Josane Assis Costa | J.P2.108, J.P2.96 | José Ezequiel De Souza | P.P2.93, V.P1.29 |
| José Alberto Fracassi da Silva | R.OR1.2 | JOSÉ FILIPE BACALHAU RODRIGUES | S.OR2.5 |
| José Alberto Giacometti | L.OR2.4, L.OR6.21, L.P2.110 | Josefredo Rodriguez Pliego | H.P1.31 |
| José Alexandre Diniz | B6TQ, C.OR5.15 | José Geraldo de Souza Silva | V.P1.26 |
| José Alves de Lima Jr. | D.P1.3 | José Geraldo Nery | B4GN, I.P1.16, P.P1.30, R.P1.29, R.P1.46 |
| José Anderson Farias da Silva Bomfim | L.P1.31 | José Gerivaldo Duque | C.P1.47, C.P1.48, C.P1.60, C.P1.61, D.P1.28 |
| Jose Angel Ramon Hernández | R.P3.139 | José Guilherme Simões | J.P2.149, J.P2.169 |
| José Antonio da Silva Souza | J.P2.99 | José Henrique de Freitas Gomes | K.P2.83 |
| José Antônio Eiras | E.OR4.13, E.OR5.16, E.P1.27, E.P1.41, E.P1.54, O.P1.20 | Jose Henrique Vallim | Q.P1.10, Q.P1.9 |
| José Antonio Malmonge | A.P1.27, A.P1.33, A.P2.108, A.P2.112, A.P2.91, B.P1.13 | Jose Higino Dias Filho | R.OR6.23 |
| José Antônio Santos Souza | R.P2.112, R.P2.90 | José Humberto de Araújo | C.P1.31 |
| José Antonio Souza | K.P2.109, K.P2.112, N.P1.39 | José Humberto Dias da Silva | J.P1.83, N.P1.18, N.P1.21, N.P1.35, P.OR5.15, R.OR8.28, R.P2.85 |
| José Arimatea Silva | D.P1.3 | | |
| José Augusto França Rodrigues | K.P1.20, V.P1.11 | José Humberto Tavares Guerreiro Fregnani | L.P1.5, L.P1.59, L.P1.7, L.P1.8 |
| José Augusto Magar Garcia | M.P1.35 | | |
| José Augusto Martins Garcia | M.P1.37 | | |
| Jose Augusto Perrotta | G.OR2.3 | | |

| | | | |
|-------------------------------------|---|----------------------------------|--|
| José Jarib Alcaraz Espinoza | J.P2.115, R.P2.121, R.P2.70, R.P3.186 | José R. Ribeiro Bortoleto | J.P2.172, N.P1.21, N.P1.35 |
| Jose Joaquim Souza Melo | K.P2.110 | José Tadeu Gouvea Junior | M.P1.31 |
| Jose Jobanny Martinez | I.P1.15 | jose ubiragi lima mendes | J.P2.117 |
| José L. Duarte | L.P2.98 | Jose Ulian Cardoso Almeida | F.P1.75, O.P1.56 |
| Jose Leandro Alves | V.P1.9 | José Veríssimo Ribeiro de Toledo | K.P1.15, K.P1.16, K.P1.17, K.P1.18, K.P1.57, K.P1.58, K.P1.59 |
| José Leonil Duarte | L.P1.46, L.P2.127, N.P1.47 | José Vieira da Silva Neto | J.P1.43, J.P1.6 |
| José Lúcio Pádua Gemeinder | R.P3.180 | José Vitor Souza | J.P1.84, J.P1.9 |
| José Luis Dávila | A.P1.42, R.P3.185 | José Wilson de Jesus Silva | J.P2.166 |
| Jose Luis Enriquez-Carrejo | F.OR6.19 | José Wilson Palma | U.P1.4 |
| José Luis Lima de Jesus Silva | P.OR6.18 | Josiane Caetano | J.P2.170, R.P2.116, R.P2.119 |
| Jose Luis Passamai Jr | G.P1.6 | Josiani Cristina Stefanelo | L.OR1.3, L.P2.92 |
| Jose Luis Valin Rivera | A.P2.143, A.P2.148 | Josias Rogerio Lopes | A.P2.138, Q.P1.16, Q.P1.24 |
| josemairon Prado Pereira | K.P1.45 | Jossano Saldanha Marcuzzo | A.P1.5, A.P1.54, A.P2.98, K.P2.68, P.P1.25, P.P2.66, P.P2.68, P.P2.69, R.P1.19, R.P2.57, R.P2.80, R.P3.156 |
| José Manoel Marconcini | B.OR3.10, B.OR3.7, B.P1.10, B.P1.22, B.P1.26, B.P1.4 | Josué Martins Gonçalves | A.P2.102, P.OR3.9, P.P1.12, P.P1.13 |
| José Manuel Rivas Mercury | E.P1.57, E.P1.58, N.P1.27, N.P1.68 | Josue Mendes Filho | D.P1.3, U.P1.7 |
| José Marcelino da Silva Dias Filho | K.OR3.14, K.P1.28, K.P1.29, K.P1.39 | Joyce Rodrigues Araujo | P.P2.90 |
| Jose Marcelo Vargas | C.OR3.8, C.P1.1, C.P1.59 | Juan Alberto Chavez Ruiz | J.P1.68 |
| Jose Marcio F Calixto | A.P1.24, A.P2.118 | Juan Alfredo Guevara Carrió | A.P2.125 |
| José Maria Braga Pinto | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, K.P2.75, V.P1.31 | Juan Andrés | I.OR3.11 |
| José Maria Clemente da Silva Filho | M.OR6.20, O.P1.29, O.P1.34, O.P1.45, O.P1.57 | Juan Andrés Castañeda | M.OR4.9, M.P1.16 |
| José Maria do Vale Quaresma | K.P1.43, K.P2.84 | Juan Angel Sans | D.OR2.5 |
| José Mário Ferreira Júnior | F.P1.33 | Juan Carlos Campuzano | C.P1.25, C.P1.73 |
| José Maurício Pereira dos Santos | B6RV, K.P1.54 | Juan Carlos González | P.P1.45 |
| Jose Mauro Granjeiro | U.OR3.6 | Juan Carlos Medina Llamas | J.P2.115, R.P2.121, R.P2.70, R.P3.186 |
| José Mauro Pimenta de Souza Messias | D.P1.20 | Juan Carlos Moreno Lopez | B2DY |
| Jose Mireles-Jr-Garcia | F.OR6.19 | Juan Gallo | R.P3.154 |
| José Pereira dos Santos Júnior | L.P2.84 | Juan Hernandez-Paz | C.OR2.4, F.P1.11 |
| Jose Pereira Santos Junior | L.P2.89 | Juan Jairo Diaz Marin | P.OR3.8 |
| Joseph Garrett | O.OR2.3 | Juan Jose Toro | H.P1.8 |
| Josep Nogues | C.OR3.6 | Juan Lucas Nachez | J.P1.48 |
| Jose Rafel Capua Proveti | C.P1.63 | Juan Manuel Orozco | C.P1.33 |
| José Ramon Jurado Egea | E.OR3.6 | Juan Pablo Ramos Andrade | N.P1.13 |
| José Renato de Oliveira Lima | N.P1.53, N.P1.58 | Juan Rodríguez Rodríguez | N.OR5.18 |
| José Ribeiro dos Santos Júnior | L.P2.84, L.P2.89 | Juan Sebastian Aguirre | A.P2.102 |
| José Roberto Guimarães | P.P1.48 | Juarez L. F. Da Silva | H.OR4.15, H.P1.16, N.OR5.17 |
| José Roberto Souza Almeida Leite | Q.P1.20 | Júlia Adami Nogueira | R.OR3.9 |
| José Roberto Tozoni | R.P3.157 | Júlia Cassiano Arisseto | J.P2.103 |
| José Rodolfo Vieira Leite | V.P1.35 | Julia Cristina Oliveira Pazinato | P.P2.86, P.P2.87 |

| | | | |
|---|--|-----------------------------------|---|
| Júlia Frasnelli Matias Fernandes | R.P2.88 | Julio Cesar Camilo Albornoz Diaz | E.P1.13 |
| Julia Lopes da Silva Gascho | O.P1.49 | Julio Cesar Guimarães Tedesco | D.P1.30 |
| Juliana Alves Martins | A.OR6.20 | Júlio César Martins Silva | P.P1.41 |
| Juliana Aparecida Vendrami | L.P2.68 | Júlio César Matias Souza | R.P3.162, R.P3.166 |
| Juliana Bergamasco | B4GN, R.P1.29, R.P1.46 | Julio Cesar Molina | J.P1.2 |
| Juliana Cancino Bernardi | L.OR6.23, Q.OR3.8, Q.P1.22, Q.P1.23, R.P1.44 | Julio Cesar Silva | A.P2.122 |
| Juliana Cardoso Neves | A.P1.28 | JULIO CESAR UGUCIONI | L.P1.29 |
| Juliana Carine Gern | Q.P1.27 | Julio Criginski Cezar | BAAK, C.P1.23, C.P1.66, C.P1.68, I.OR4.14, J.P1.24, J.P2.95 |
| Juliana Casarin | J.P1.17 | Julio Muñoz | H.OR4.18 |
| Juliana Coatrini Soares | L.P1.5, L.P1.7, L.P1.8 | Julio Pusterla | T.P1.2 |
| Juliana Cristina Freitas | R.P1.13 | Julio Ricardo Sambrano | N.P1.35 |
| Juliana da Silva Bernardes | F.P1.1 | Julio Roberto Bartoli | A.P1.21, A.P2.123 |
| Juliana Eccher | L.OR7.26, L.P1.38, L.P2.103, L.P2.121, L.P2.122, L.P2.126, L.P2.81 | Junior Cintra Mauricio | F.P1.48 |
| Juliana F. dos Santos | L.P1.12 | Junior C. S. Pantoja | L.P1.57 |
| Juliana Feijó de Souza Daniel | R.OR5.16 | JURANDI NEVES ARAÚJO JÚNIOR | C.P1.24 |
| Juliana Ferreira Floriano | R.P1.41 | Juscelino B. Leão | G.OR3.6 |
| Juliana Fischer Haddad | H.P1.9 | Juscelino Chaves Sales | E.P1.56, S.P1.21 |
| Juliana Juliana Heloisa Pinê Américo Pinheiro | A.P1.6 | Jussara Vieira Silva | I.P1.14 |
| Juliana Leme | R.P2.127 | Jussier de Oliveira Vitoriano | L.P2.124 |
| Juliana Luiza de S. Martins | O.OR3.5 | K | |
| Juliana M.P. Almeida | M.OR5.13, M.OR6.21, M.P1.12 | Kaidu Hanashiro Barrosa | R.P1.6 |
| Juliana Nunes | V.P1.23 | Kalil Almeida Figueiredo | K.P1.36 |
| Juliana Paiva | A.OR8.29 | Kalil Cristhian Figueiredo Toledo | E.P1.37 |
| Juliana Primo Basílio de Souza | A.P2.145, A.P2.149 | Kaline Dantas Silva | V.OR2.6 |
| Juliana Reghine Souza | A.P1.37 | Kamila Cássia Pagnoncelli | L.P1.4 |
| Juliana Regina Kloss | A.P1.71, A.P2.133 | Kamila Colombo | A.P1.65 |
| Julián Arnaldo Ávila | K.P2.119 | Kamil Dziubek | D.OR2.4 |
| Julian Arnaldo Avila Diaz | K.OR1.2 | Karen Araujo Borges | N.P1.7 |
| Juliana Santos Barbosa | M.P1.7 | Karen Cristina Massini | Q.P1.11, Q.P1.12 |
| Juliana Steffens | J.P2.136 | Karen de Souza do Prado | B.OR1.1 |
| Julia Natália Mazoni El Kadri | R.P3.159 | Karen Ferraz Faria | R.P1.8 |
| Juliana Verdan Silva | J.P2.96 | Karen Vieira Melo | P.P1.37 |
| Juliane Carla Bernardi | P.P2.61 | Karine Damaceno Souza | R.P1.7 |
| Juliano A Bonacin | L.P1.51 | Karla Balzuweit | F.P1.26 |
| Juliano Alves Bonacin | A.P1.23, E.P1.37, O.P1.54 | Karla De Michelis Mograbi | S.P1.29 |
| Juliano Casagrande Denardin | C.OR4.13 | Karla Faquine Rodrigues | A.P1.31, A.P1.32, A.P1.57, A.P2.116, A.P2.97 |
| Juliano Sartori Mendonça | R.P1.33 | Karoline Oliveira Moura | C.OR6.20, C.P1.18, C.P1.52 |
| Julia Sawaki Tanaka | E.P1.52 | Karthik Ramasamy | M.OR3.8 |
| Júlia Siqueira Silva | R.P3.143 | Kassia Cristina Kafer Escher | I.P1.29 |
| Julien Haines | D.OR2.4 | Kate Cristina Blanco | L.P1.25 |
| Julio Alberto Peres Ferencz Jr. | O.P1.55 | | |
| Julio Antonio Larrea Jimenez | D.OR4.10 | | |

| | | | |
|-----------------------------------|--|-------------------------------------|--|
| Laura Oliveira Péres | L.P1.37, L.P1.45, L.P2.123, L.P2.135 | Leonardo Albergaria Oliveira | K.P1.2, K.P1.38, K.P2.65, K.P2.83, K.P2.87 |
| Laura Raldi Canal | A.OR9.35 | Leonardo Antonini | K.P2.85 |
| Lauro June Queiroz Maia | M.OR5.14 | Leonardo Barbosa Godefroid | K.P1.55, K.P2.61 |
| Lauro Tatsuo Kubota | A.P1.52, L.P1.23, T.P1.5 | Leonardo Barcelos de Paula | R.P1.35, S.P1.16 |
| layo ricardo machado leal | K.P1.42 | Leonardo Bontempo | M.P1.24, M.P1.37 |
| Lays Batista Fitaroni | J.P2.148 | Leonardo C. Campos | M.P1.41 |
| L. A. Zago | C.P1.10 | Leonardo Contri Campanelli | R.P2.88 |
| Lazaro A Padilha | M.OR4.9, M.P1.16, M.P1.19, M.P1.4, N.OR6.23, O.P1.55 | Leonardo Dantas Machado | H.OR3.11 |
| Lázaro Aurélio Padilha | M.P1.15 | Leonardo De Boni | A.P1.9, M.OR5.13, M.OR6.19, M.P1.27 |
| L. Cantelli | J.P1.81, J.P2.112 | Leonardo de Farias Araujo | M.OR5.16 |
| Léa Maria Lopes de Almeida | V.OR2.8 | Leonardo Drumond da Silva | R.P1.31 |
| Leandra Ernst Kerche-Silva | R.P2.64 | Leonardo Fernandes Fraceto | Q.P1.1, Q.P1.4, R.P1.22, R.P2.71, R.P3.154 |
| Leandro Aparecido Pocrifka | J.P1.52, J.P1.53, O.P1.54, P.P2.53 | Leonardo Ferreira Paula | J.P1.73 |
| Leandro Benatto | O.P1.59 | Leonardo Francisco Gonçalves Dias | R.P1.1 |
| Leandro Campos Vargas | K.P1.44 | Leonardo Giordano Paterno | J.P1.73 |
| Leandro Cardoso Moraes | P.P2.96 | Leonardo Gois Lascane | L.P1.40 |
| Leandro Carneiro Fonseca | A.P2.132 | Leonardo Gondim de Andrade Silva | P.P2.60 |
| Leandro de Sá Bortolozzo | Q.P1.24 | Leonardo José Amaral Siqueira | R.P3.152 |
| Leandro Felix Bufaiçal | D.P1.28 | Leonardo Lúcio de Araújo Gouveia | V.P1.2 |
| Leandro Hostalácio Freire Andrade | C.P1.43 | Leonardo Marchese | Q.P1.17, R.P1.30 |
| Leandro Ize Gutierrez | N.P1.26 | Leonardo Mathias Leidens | J.OR3.10, J.P1.57, J.P1.59, U.P1.2 |
| Leandro Martins Pereira | B.OR3.10 | Leonardo Pacheco Wendler | E.P1.12 |
| Leandro Mercedes | N.OR1.2, N.OR3.8 | Leonardo Resende | D.P1.20 |
| Leandro M Malard | A.OR6.20 | Leonardo Souza Silva | C.P1.48 |
| Leandro M. Socolovsky | C.P1.32, C.P1.34, C.P1.37 | Leonardo Terrabuio | J.P2.154 |
| Leandro R. Tessler | N.OR5.19 | Leonardo Werneck Trindade de Barros | M.P1.19 |
| Leandro Santos Grassi Cardoso | O.P1.42, O.P1.43 | Leonardo Wu | K.P2.92 |
| Leandro Seixas Rocha | H.OR2.4 | Leonélio Cichetto Junior | A.P2.84, A.P2.85 |
| Leandro Silva Matos | F.P1.68, P.P2.77 | Leonid Ivanovich Charakhovski | J.OR3.12 |
| Leide Cavalcanti | T.P1.2 | Leonilson Kiyoshi Sato de Herval | N.P1.50 |
| Lei Jiang | PS002.3 | Leon Miranda Costa | R.P2.120 |
| Leilane Roberta Macario | J.P2.122 | Letícia Caroline Bonkovoski | R.P3.149, R.P3.175 |
| Leinig Antonio Perazolli | A.OR9.38, A.P2.81, A.P2.86, A.P2.87, E.P1.44, J.P2.119 | Letícia de Melo Costa | C.P1.23, C.P1.66 |
| Leiriana Aparecida Pinto Gontijo | O.P1.21 | Letícia Gazola Tartuci | O.P1.18 |
| Leíse Serena Pasa | A.P2.112 | Letícia Graziela Costa Santos | T.P1.3, T.P1.6 |
| Leni Akcelrud | H.P1.17, L.P2.130, L.P2.131, S.P1.15 | Letícia Guerreiro da Trindade | P.P2.58 |
| Leni Campos Akcelrud | L.P2.129 | Letícia Liu | R.P1.34 |
| Leniher Castan | R.P1.23 | Letícia Nunes Coelho | K.P1.24, N.P1.30 |
| Lenise Muller Ricciardi | R.P3.163 | Letícia Paifer Marques | R.P1.12 |
| Lennon Dias | R.P3.157 | Letícia Pedretti Ferreira | R.P2.117, R.P2.82 |
| Leonã da Silva Flores | N.OR3.13 | | |

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Letícia Pereira Almeida | R.P3.151 | Liu Yao Cho | J.P1.19, J.P1.39 |
| Letícia Pereira Dote | J.P2.120 | Lívia Aparecida Procópio | R.P2.107 |
| Letícia Poras Reis de Moraes | E.P1.35, E.P1.38, P.OR6.22, P.P1.40 | Livia Cassia Viana | B.P1.14 |
| Letícia Sabioni Yamin | J.P2.133 | Livia C. dos Passos Araujo | S.P1.24 |
| Letícia Tessari Bim | J.P1.18 | Lívia de Rodrigues Menezes | A.P2.121, B.P1.34 |
| Letícia Vitorazi | Q.P1.15, Q.P1.25, Q.P1.8 | Lívia Maria de Castro Sousa | O.P1.35 |
| Leticie Mendonça Ferreira | B2VY | Livia Melo Carneiro | P.P1.32, P.P2.85 |
| Letizia Papa | M.P1.40 | Lívia Mesquita Dias Loiola | R.P3.132 |
| Leyvison Rafael Vieira da Conceição | J.P2.161, P.P1.32, P.P2.85 | Livia Pacheco | J.P2.118 |
| L. G. Martinez | J.P1.33 | Lívia Rodrigues Menezes | R.P2.108, R.P2.73 |
| Lia Mara Silva Marcondes | M.P1.31, M.P1.42 | Livia Serra Selvatici | J.P1.13, P.P1.11, R.OR5.17 |
| Liana Alvares Rodrigues | A.P1.72, D.P1.14 | Lívia Sottovia | J.P1.29, J.P1.30, R.P2.123 |
| Liane M. Rossi | C.OR2.3 | Lívia Terezinha Pimentel Branco | R.P3.143 |
| Liang Fan | E.OR4.12 | Livio Amaral | G.P1.3 |
| Lia Raquel Moura Silva | R.P1.45, R.P1.47 | Lizandro Manzato | K.P2.100 |
| Lia Souza Coelho | F.P1.66, R.P2.108 | Lízia Maria Oliveira Gonçalves | R.P1.45 |
| Lidiaine Maria dos Santos | N.P1.20, N.P1.7 | Liz Specian de Moraes | A.OR6.18 |
| Lidia Maria Rebolho Batista Arantes | L.P1.10 | Ljubica Tasic | B.P1.1, Q.P1.3, R.P1.34 |
| Lidiane de Oliveira Pinto | F.P1.1 | L. M. M. Ferro | J.P2.112 |
| Lidiane Franqui | Q.P1.14 | Lohana Komorek Faria | P.P2.54 |
| Lidiane Gonçalves Gonçalves | R.P2.90 | Lorena Luiza Teixeira Oliveira | K.P2.61 |
| Lidiane Oliveira Pinto | T.P1.5 | LORENA MONIQUE MELO | E.P1.19 |
| Lidiane Silva Franqui | Q.OR1.3, Q.OR2.5 | Lorena Oliveira de Sousa | O.P1.26 |
| Lidiany Karla Rodrigues | R.P1.33 | Lorenzo Antonio Buscaglia | B6AN |
| Lidice Aparecida Gonçalves | C.P1.28, C.P1.29, H.P1.35 | Loreto Margarita Valenzuela | R.OR3.6 |
| Lígia Nunes de Moraes Ribeiro | R.P2.128, R.P2.129 | Louise Fernanda Rodrigues Oliveira | J.P1.36 |
| Lígia Parreira Souza | P.OR1.3 | Louise Patron Etcheverry | L.OR3.12 |
| Lilia Müller Guerrini | S.P1.3 | Lourdes Marcela Yataco | A.P2.148 |
| Liliam Viana Leonel | R.P3.131 | Lazaro | |
| Lilian Campelo Holanda | P.P1.46 | Lourival Marin Mendes | B.OR3.6 |
| Lílian Cruz Santos | E.P1.51 | L S Sharath Chandra | C.OR6.19 |
| Liliane Cristina Battirola | B.P1.2, S.P1.17 | Luana Caroline Gonçalves | Q.OR1.2 |
| Liliane Cristina Gonçalves | O.P1.33 | Luana Cristina Wouk de Menezes | L.P1.46, O.P1.39, O.P1.44 |
| Liliane Lelis Oliveira | R.P2.72 | Luana Elisa Cardoso de Siqueira | P.P1.5 |
| Liliane Maria Ferrareso Lona | A.P2.127 | Luana Jacomini | S.P1.14 |
| Lilian Goulart Schultz | B.P1.35 | Luana Lacy Mattos | L.OR5.18 |
| Lilian Siqueira | J.P2.105 | Luana Marotta de Vasconcellos | R.P1.10, R.P1.11 |
| Lilian Soares Cardoso | L.P2.92 | Luana Marotta Reis de Vasconcellos | R.P2.107 |
| Lina Dayse Rodrigues Moreira | K.P1.19 | Luana Marotta Vasconcellos | R.P1.21 |
| Lincon Zadorosny | A.P2.91 | Luana Rodrigues | R.P3.157 |
| Linda Casson | F.P1.18 | Luanda Zarría Morais Jabour | E.P1.19 |
| Link Brown | J.P1.26, P.P1.29 | Luan Rios Paz | B2VE |
| Lino Alberto Soares Rodrigues | K.P2.111 | Luca Bignardi | B2DY |
| Linus Pauling Faria Peixoto | M.OR2.4, M.P1.11, M.P1.5 | | |
| Lisandro Cardoso | P.P1.1, P.P1.3 | | |
| Lisiane Rocha Azevedo de Carvalho | R.P1.50 | | |

| | | | |
|---------------------------------|--|------------------------------|---|
| Luca Fusaro | R.OR4.12 | Luciano Caseli | J.P2.120, L.OR4.14, L.P2.123, R.P1.6, R.P1.7, R.P3.134, R.P3.152 |
| Lucas Alan de Aguiar | J.P1.1 | Luciano Costa Almeida | P.P1.46 |
| Lucas Angelini Deltreggia | F.P1.49 | Luciano F Costa | L.P1.8 |
| Lucas Atila Bernardes Marçal | I.OR3.12, M.P1.39, N.OR4.15, N.P1.30 | Luciano Lobo de Almeida | K.P1.27 |
| Lucas Barboza Sarno Da Silva | C.P1.46 | Baracho | |
| Lucas Barreto | I.P1.2 | Luciano Monteiro Almeida | F.P1.10, F.P1.3, F.P1.37, F.P1.5, H.P1.33, V.P1.31 |
| Lucas da Silva Ribeiro | A.P1.70 | Luciano Morais Lião | L.P1.50 |
| Lucas de Souza Ferreira | F.P1.25 | Luciano Paulino Silva | R.P2.61 |
| Lucas Evangelista Sita | P.P1.15, P.P1.20 | Luciano Pighinelli | B2VE |
| Lucas Fabricio Bahia Nogueira | S.P1.9 | Luciano Rossi Bilesky | J.P2.140 |
| Lucas Ferreira Lima | O.P1.33 | Luciano Tavares Costa | P.OR6.18 |
| Lucas Ferreira Xavier Ortiga | L.P2.117 | Luciano Tavares da Costa | H.P1.23, H.P1.24, H.P1.25 |
| Lucas Fiocco Sciuti | M.OR6.19 | Luci Cristina de Oliveira | R.P2.58 |
| Lucas Fugikawa Santos | L.P1.25, L.P2.101, L.P2.102, L.P2.105, L.P2.109, L.P2.83 | Vercik | |
| Lucas Gabriel Faria Inácio | P.P1.7 | Luciene Covolan | S.P1.28, S.P1.29, S.P1.30 |
| Lucas Henrique Eiras dos Santos | J.P1.32 | Lucila Menacho | A.P2.141 |
| Lucas Henrique Mendes | S.P1.8 | Lucimara de La Torre | R.P2.83, R.P3.167 |
| Lucas Kaique Roncaselli | L.P2.119 | Lucimara Gaziola de la Torre | R.P2.125, R.P2.92, R.P3.187, R.P3.190 |
| Lucas Ladeira | A.P2.118 | Lucimara Stolz Roman | A.P2.136, L.P2.85, O.P1.33, O.P1.39, O.P1.40, O.P1.44, O.P1.51, O.P1.59, P.OR6.19 |
| Lucas Luiz Messa | B.P1.15 | Lucinéia Ferreira Ceridório | J.P2.120 |
| Lucas Militão | R.OR4.13 | Lucio Carlos Pinto Rangel | U.P1.8 |
| Lucas Muraro Sassi | J.P1.50 | Lucio Flavio dos Santos Rosa | H.OR3.13 |
| Lucas Patricio Hernandez | A.P2.102 | Lucíola Lucena de Sousa | K.P1.40, R.P2.58 |
| Lucas Polo Fonseca | R.P3.132 | Lucyano J. A. Macedo | L.OR4.15 |
| Lucas R. Amaral | L.P1.13 | Ludmila Vargas | A.P2.99 |
| Lucas Ribeiro Ramos | K.OR3.12 | Luelc Sousa da Costa | C.OR3.10, P.P1.35 |
| Lucas Stori de Lara | I.P1.12 | Luigi Baldini Paulucci | P.P1.34 |
| Lucas Travi | J.OR3.9 | Luisa Fernanda Gutierrez | I.P1.15 |
| Lucas Vinicius de Lima Citolino | L.P2.75 | Luis Alfredo Montes Vides | H.OR4.18 |
| Lúcia Adriana Villas Boas | E.P1.40 | Luis Almeida | J.P2.154 |
| Lucia Helena Mascaro | P.P2.74, P.P2.75 | Luis Antonio Genova | F.P1.4 |
| Luciana Almeida Silva | A.P1.8, P.P2.73 | Luís Antonio Polaci | A.P1.19 |
| Luciana Daniele Trino | R.P1.1 | Luís Augusto Rocha | K.P2.93, Q.P1.5, R.OR7.26, R.OR8.28, R.OR9.33, U.OR3.6 |
| Luciana de Simone Cividanés | A.P1.31, A.P1.32, A.P1.57 | Luis Bolaños Vargas | N.P1.17 |
| Luciana Dornelas | F.P1.22, I.OR3.12 | Luis Carlos Costa Arzuza | C.OR3.9, C.P1.52 |
| Luciana Gaspar Feio | K.P2.111 | Luís César Aliaga | A.P2.131 |
| Luciana Kassab | M.P1.17 | Luis Claudio Mendes | V.OR2.8 |
| Luciana Machado Rodrigues | K.P1.35 | Luis Dias Carlos | L.P2.131 |
| Luciana Pataro | EXP1.1 | | |
| Luciana Pereira | B.OR3.10 | | |
| Luciana Pereira Silva | S.P1.19 | | |
| Luciana Reyes Pires Kassab | F.OR4.12, M.P1.24, M.P1.35, M.P1.37 | | |
| Luciana Rodrigues da Cunha | L.P1.30 | | |
| Luciana Sampaio Ribeiro | P.P1.7 | | |
| Luciane Dias Oliveira | R.P1.11 | | |
| Luciano Alkmin | K.P1.5 | | |

| | | | |
|---------------------------------------|---|-------------------------------------|---|
| Luis Eduardo Antunes Vieira | K.P1.41 | Luiz Carlos Rosa | A.P1.54 |
| Luis Eugenio Fernandez-Outon | C.P1.43, C.P1.44, C.P1.55, F.P1.28, F.P1.61, R.OR9.34 | Luiz Carlos Salay | A.P1.3, A.P2.103, A.P2.104 |
| Luis F. C. Morato | R.P3.138, R.P3.168 | Luiz Claudio Pardini | A.P1.30, A.P1.72, D.P1.14, V.P1.50 |
| Luis Felipe Costa Gouvêa | M.P1.8 | Luiz Eduardo de Angelo Sanchez | J.P1.22 |
| Luís Fernando da Silva | E.OR2.5, E.P1.15, M.P1.6, N.OR2.5 | Luiz Felipe Oliveira Faria | D.P1.6 |
| Luis Frederico P. Dick | O.P1.10, O.P1.58, P.OR5.14, S.P1.25 | Luiz Fernando Cótica | E.P1.11, E.P1.41, E.P1.8 |
| Luis Gustavo Costa e Silva | K.P1.14 | Luiz Fernando de Sousa Lima | H.P1.42, J.P2.124, O.P1.30 |
| Luís Gustavo Duarte | L.P2.125 | Luiz Fernando Gorup | J.P1.78, J.P1.79, R.P2.112, R.P2.90 |
| Luis Gustavo Oliveira de Vasconcellos | R.P1.11 | Luiz Fernando Lobato Silva | U.P1.7 |
| Luis Gustavo Pacheco | J.P2.125 | Luiz Fernando Zagonel | N.OR6.25, N.P1.22 |
| Luis Henrique Chung Caravante | V.P1.41 | Luiz Flávio Reis Fernandes | V.P1.16, V.P1.17, V.P1.36 |
| Luis Henrique da Silveira Lacerda | N.P1.14, N.P1.33, N.P1.34, N.P1.54, N.P1.64 | Luiz Francisco Malmonge | A.P2.91, B.P1.13 |
| Luis Henrique de Lima | I.P1.2 | Luiz Galvão Tizei | F.P1.6, N.OR6.25 |
| Luis Marcelo G da Silva | B.P1.22, P.P2.49 | Luiz Guilherme Ambrósio de Carvalho | L.P1.11 |
| Luis Pereira | B.OR1.2 | Luiz Guilherme Lomônaco Germiniani | B.P1.35 |
| Luis Ricardo S. Kanda | J.P2.88 | Luiz Gustavo Bonato | M.P1.16, O.P1.41, O.P1.45 |
| Luis Vergara González | K.OR4.17, Q.OR3.12 | Luiz Gustavo de Lima Guimarães | L.P1.11 |
| Luis Vicente de Andrade Scalvi | N.OR6.22, N.P1.10 | Luiz Gustavo Guimarães | A.P2.95 |
| Luis Visani Luna | A.P2.132 | Luiz Gustavo Hiroki Komatsu | F.P1.15, F.P1.70 |
| Luiza Amim Mercante | A.P2.111, A.P2.126, J.P2.130, J.P2.137 | Luiz Henrique Capparelli Mattoso | A.P2.126, B.OR3.10, B.OR3.7, B.P1.10, B.P1.11, B.P1.26, J.P2.130, J.P2.137, L.P1.22, Q.P1.15, Q.P1.21, Q.P1.25, Q.P1.8, V.P1.24 |
| Luiza Baptista de Oliveira Freitas | R.P2.62 | Luiz Henrique Galvão Tizei | N.P1.11 |
| Luiza Botan Favalessa | J.P1.13, P.P1.11, R.OR5.17 | Luiz Nunes de Oliveira | H.OR4.15 |
| Luiza Cardoso Cintra | V.P1.44 | Luiz Orlando Ladeira | A.P1.24, A.P2.118, F.P1.26, J.P1.86, L.P1.33 |
| Luiza De Lazari Ferreira | O.P1.25 | Luiz Sanches | B.P1.26 |
| Luiza de Marilac Pantoja Ferreira | A.P1.49 | Luiz Tadeu Fernandes Eleno | C.OR4.12 |
| Luiza de Mattos Manica | L.OR5.16, L.P1.39 | Luiz Travassos | R.P2.65 |
| Luiza de Queiroz Corrêa | O.OR3.5 | Luzeli Moreira da Silva | P.P1.1, P.P1.3 |
| Luiz Angelo Berni | J.P2.135, K.P1.41 | Luziana Bezerra Borralho | E.P1.6 |
| Luiza Paula da Conceição Lopes | J.P2.109 | Luziane Rosa Simões | R.P1.42 |
| Luiza Spanamberg Silveira de Souza | L.P2.122 | Lyane Costa | M.P1.17 |
| Luiz Brito de Souza Filho | L.P2.84, L.P2.89 | L. Y. LIU | C.P1.22, F.P1.40 |
| Luiz Carlos Da Silva Filho | L.P1.21 | Lyudmila V. Goncharova | N.P1.10 |
| Luiz Carlos da Silva Nunes | I.P1.24, U.P1.8 | | |
| Luiz Carlos Mariano | L.P2.85 | | |
| Luiz Carlos Poças | L.P1.57, L.P2.98 | | |
| Luiz Carlos Robinson | V.P1.42 | | |
| Luiz Carlos Rolim Lopes | K.P1.27 | | |

M

| | | | |
|--------------------------------|--|------------------------------------|---|
| Macarena p Ruiz | Q.OR3.12 | Marcela Mohallem Oliveira | A.P2.134 |
| Maciele Cristina Pegoretti | R.P1.28 | Marcela Silva Lamoglia | K.P2.60 |
| Machado | | Marcella Cabrera Berg | B6RQ |
| Madalena Pinheiro Dias | R.OR5.15 | Marcella Cogo Muniz | B2J6 |
| Engler | | Marcella Rocha Franco | L.P1.30, U.P1.14 |
| Madson Albertini | L.P2.98 | Marcelle Bruna de Mendonça Spera | I.P1.4 |
| Magali Aparecida Rodrigues | R.P2.61 | Marcello Ferreira da Costa | N.P1.49 |
| Magda Bittencourt Fontes | B2VY, J.P2.139 | Marcello R. B. Andreetta | C.P1.26, E.OR3.7, E.P1.16 |
| Magda Sousa da Silva Gondim | N.P1.27, N.P1.68 | Marcello Vertamatti | S.P1.12, S.P1.13 |
| Magnum Augusto Moraes | J.P1.75 | Mergulhão | |
| Lopes de Jesus | | Marcel Miyamura Bonilha | C.P1.51 |
| Magnus Gidlund | C.OR3.7, C.P1.42 | Marcelo Alexandre De Farias | F.OR3.9, Q.OR2.5 |
| Mahavir Singh | C.P1.1 | Marcelo Antunes de Paula | K.P2.94 |
| Maiara de Jesus Bassi | O.P1.44 | Marcelo Aparecido Chinelatto | R.P3.171, V.P1.20 |
| Maiara de Souza Magossi | J.P2.113 | Marcelo Assumpção Pereira da Silva | L.P1.43 |
| Maikel Yusat Ballester Furones | H.OR3.7 | Marcelo Augusto Ferreira | H.P1.27 |
| Mailson de Matos | B.P1.16 | Marcelo Bento Pisani | F.P1.75, O.P1.56 |
| Mainã Portella Garcia | K.P1.56 | Marcelo Capella Campos | A.P2.144, J.P2.154, J.P2.93 |
| Maira Costa Maftoum | R.P3.142 | Marcelo de oliveira | F.P1.33 |
| Maísa B. Costa | J.OR2.6 | Marcelo de Oliveira Jesus | L.P2.73 |
| Maiza da Silva Ozório | L.P2.100, L.P2.107 | Marcelo de Sousa | A.P2.132 |
| Manfredo Harri Tabacniks | F.OR4.12, J.P1.81, R.P2.103 | Marcelo dos Santos Pereira | K.P2.115, K.P2.96 |
| Manoel Carvalho Castro Junior | C.P1.36 | Marcelo Eising | A.P2.136 |
| Manoel Cleber de Sampaio Alves | J.P1.2, J.P2.121, J.P2.140, K.P2.106, K.P2.77, K.P2.99 | Marcelo Evers | J.P1.48 |
| Manoel Martins Filho | F.P1.53, V.P1.19 | Marcelo Fernandes Cipreste | R.P1.16, R.P1.17, R.P2.66 |
| Manoel Ribeiro da Silva | C.P1.40, E.P1.14, E.P1.50, K.P2.65, K.P2.70 | Marcelo Fernandes Oliveira | R.P1.26, R.P2.79 |
| Manuela Fontana | J.P1.35 | Marcelo Franco | A.P2.104 |
| Manuela Klaus | J.P1.34 | Marcelo Ganzarolli de Oliveira | R.OR4.13, R.P2.76, S.P1.17 |
| Manuel Antonio Ramos-Murillo | F.OR6.19 | Marcelo Gonçalves Vivas | A.P1.9, I.P1.17, M.P1.27 |
| Manuela Rizzi | Q.P1.17 | Marcelo Huguenin Maia da Costa | R.P1.31 |
| Manuel Banõbre-Lopez | R.P3.154 | Marcelo José Gomes da Silva | K.P2.76, U.P1.10 |
| Manuel Henrique Lente | E.OR4.13, E.OR5.16, E.P1.53, E.P1.54, F.P1.4, O.P1.20 | Marcelo Knobel | C.OR3.10, C.OR3.8, C.P1.30, C.P1.33, C.P1.34, C.P1.37, C.P1.7 |
| Manuel J. Mendes | B.P1.25 | Marcelo Lancellotti | R.OR7.25, R.P2.125 |
| Manuel Vieira | A.P1.61 | Marcelo Lubaszewski | F.P1.30 |
| Mara Adlay Andrade | J.P1.65 | Marcelo Lucas Pereira | K.P2.121 |
| Mara Canesqui | A.OR9.31, A.P2.123 | Machado | |
| Marcela Dias França | N.P1.7 | MARCELO LUIS SIQUEIRA | K.P1.37 |
| Marcela Lacerda | B.P1.37 | Marcelo Machado Viana | J.OR2.4, J.P1.69 |
| | | Marcelo Manoel Valentim | V.P1.38 |
| | | Bastos | |
| | | Marcelo Marques da Silva | L.P2.107, L.P2.110 |
| | | Marcelo Martins | J.P1.40 |

| | | | |
|-------------------------------|--|-------------------------------|--|
| Marcelo M Capovilla | K.P2.98 | Marcio Cristiano Monteiro | E.P1.37 |
| Marcelo Meira Faleiros | L.OR5.17 | Marcio Gustavo Di Vernieri | P.P1.5 |
| Marcelo Moizinho Oliveira | E.P1.58 | Cuppari | |
| Marcelo Mulato | L.P1.1, L.P1.29, N.P1.62, R.OR3.7, R.OR9.35 | Márcio Luiz dos Santos | R.P2.98 |
| Marcelo O Orlandi | E.OR6.20, E.P1.1, E.P1.17, E.P1.36, E.P1.42 | Márcio Mafra | I.P1.22, I.P1.28 |
| Marcelo Pederiva | C.P1.52 | Marcio Mateus Beloti | R.P2.84 |
| Marcelo Porto Bemquerer | R.P2.61 | Márcio Medeiros Soares | F.P1.64, J.P2.134, P.P2.73, T.P1.2 |
| Marcelos Lima Peres | N.P1.12, N.P1.17, N.P1.29, N.P1.4, N.P1.43, N.P1.8 | Marcio Nele de Souza | R.P2.82, R.P3.139 |
| Marcelo Szymanski | R.P2.83 | Márcio Nunes Zurlo | K.P2.124 |
| Marcelo Telascrêa | U.P1.1 | Márcio Paulo de Araújo Mafra | V.OR2.6 |
| Marcelo T.P. Paes | K.OR3.8 | Marcio Peron Franco de | N.P1.17, N.P1.50, N.P1.56, N.P1.6, N.P1.67, N.P1.9 |
| Marcelo Vianna Nogueira | A.OR9.38, J.P2.119 | Godoy | |
| Marcelo Vitor Ferreira | R.P3.148 | Márcio Raymundo Morelli | E.P1.12 |
| Machado | | Marcio Roberto da Rocha | R.P1.9, V.P1.12 |
| Marcel Yuzo Kondo | J.P1.9, J.P2.140, K.P2.77, K.P2.99 | Marcio Sangali Cristino da | K.P1.44 |
| Márcia Aparecida da Silva | R.P2.61 | Silva | |
| Márcia Aparecida da Silva | B.OR1.1, B.P1.27 | Marcio Sena Curvello | C.P1.65 |
| Spinacé | | Marcio Teodoro | N.P1.31 |
| Marcia Carvalho de Abreu | P.OR6.21, R.P2.61 | Marcio Venzon | D.P1.20 |
| Fantini | | Márcio Wandré Moraes de | R.P2.61 |
| Márcia Cristina Breitreitz | R.P2.128 | Oliveira | |
| márcia isabel de souza prado | T.P1.1 | Marco Antonio Albuquerque | J.P1.14 |
| Márcia Machado Marinho | S.P1.2 | Gaspar | |
| Marcia Marie Maru | A.OR6.23 | Marco Antônio Chaer | R.P1.31 |
| Marcia M Kondo | V.P1.13 | Nascimento | |
| Marcia Regina de Moura | A.P1.36, A.P1.37, A.P1.38, A.P1.39, A.P1.40, A.P1.6, A.P1.67, A.P1.68, A.P1.69, A.P2.92, S.P1.4 | Marco Antonio Grinet | R.P3.142 |
| Márcia Regina Russo | F.P1.39 | Marco Antonio Modenes | A.P2.115 |
| Márcia Rejane Santos da Silva | J.P2.127, J.P2.162 | Junior | |
| Marcia Rodrigues de Moraes | U.P1.1 | Marco Antonio Ramírez | A.P1.77, A.P2.129, J.P1.85 |
| Chaves | | Marco Antonio Schiavon | A.P1.9, I.P1.17, I.P1.18, I.P1.19, I.P1.20, L.P1.11, O.P1.16, O.P1.18, O.P1.21, O.P1.22, O.P1.24, O.P1.38, P.P2.81 |
| Márcia Tsuyama Escote | C.P1.65, E.P1.2, P.P2.61 | Marco Antonio Stanojev | G.OR3.8 |
| Márcia Windson Costa | L.OR7.28 | Pereira | |
| Caetano Greenshields | | Marco Antonio Tito Patricio | N.P1.31 |
| Márcio A. B. Fontan | G.P1.4 | Marco Antonio Voinarovicz | V.P1.47 |
| Márcio André Miranda | A.OR9.35 | Marco Aurélio de Oliveira | E.OR3.8, P.P2.83 |
| Marcio Aurélio Pinheiro | N.P1.53, N.P1.58 | Marco Aurélio Toledo da Silva | L.P1.46, L.P1.57, L.P2.98, N.P1.25 |
| Almeida | | Marco César Soares | I.P1.11, V.P1.1 |
| Marcio Celso Fredel | R.OR5.15, R.P3.162, R.P3.166 | Marco Cremona | B.OR3.9, L.OR6.20, L.OR7.27, L.P2.114, L.P2.115 |
| Márcio César Pereira | P.P2.71, P.P2.72 | Marco Durlo Tier | K.OR2.4 |
| | | Marco Guarise | C.P1.68 |
| | | Marco Ramirez | R.P2.127 |

| | | | |
|--|---|--|---|
| Marco Roberto Cavallari | L.OR3.9, L.P1.43 | Marcos Massi | I.OR4.15, K.P1.8, O.P1.27, O.P1.4 |
| Marcos Abreu Avila | C.OR6.22 | Marcos P. Gonçalves | D.P1.21, J.P1.8 |
| Marcos Akira d'Ávila | A.P1.42, A.P2.138, F.P1.24, R.P3.185 | Marcos Roberto Cardoso | L.OR1.3 |
| Marcos Allan Leite dos Reis | A.P1.49, A.P1.61, B2VG | Marcos Rolando Piccilli | K.P2.60 |
| Marcos Antonio Coelho Berton | J.P1.38 | MARCOS TADEU D ORLANDO ORLANDO | G.P1.6 |
| Marcos Antonio Coelho Júnior | L.P1.20 | Marcos Tadeu Tibúrcio Gonçalves | J.P1.22, J.P2.111 |
| Marcos Antonio de Sousa | J.P2.139 | Marcos Valério Ribeiro | J.P1.9, K.P2.94, K.P2.99 |
| Marcos Antonio Eufrásio Cruz | R.P2.77 | Marcos Vinicius Lorevice | A.P1.37 |
| Marcos Antonio Moura de Sousa | L.P2.96 | Marcos Vinicius Puydinger dos Santos | B6TQ, C.OR5.15 |
| Marcos Antonio Pinto Martins | R.OR3.11 | Marco Vinicius da Silva | J.P1.3 |
| Marcos Antonio Santana Andrade Junior | O.OR4.16, O.P1.7 | Marcus Antônio de Freitas Melo | U.P1.9 |
| Marcos Antonio Villetti | P.P2.86, R.OR3.11 | Marcus Giotto | I.P1.16 |
| Marcos Assunção Pimenta | A.OR6.20 | Marcus Lima Sousa | J.P2.158, J.P2.159 |
| Marcos Augusto Lima Nobre | A.P2.101, E.P1.7 | Marcus Nathan Silvestre | K.P1.11, K.P1.14 |
| Marcos A. Z. Vasconcellos | J.OR3.9 | Marcus Vinicius Castegnaro | F.P1.47 |
| Marcos Benedito Jose de Freitas | J.P1.13, P.P1.10, P.P1.11, P.P1.19, P.P1.22, R.OR5.17, V.P1.7 | Marcus Vinicius David Rangel e Silva | L.P1.14 |
| Marcos Bizeto | R.P2.89 | Marcus Vinicius de Lia Fook | R.P1.26, S.OR2.5 |
| Marcos Cirilo dos Santos | K.P1.57, K.P1.58 | Marcus Vinicius Gonçalves Vismara | L.P2.113 |
| Marcos Davi de Carvalho Junior | E.P1.6 | Marcus Vinicius Lia Fook | S.P1.10 |
| Marcos de Abreu Avila | B6NB, C.P1.50 | Marcus Vinicius Moreira | P.P1.45 |
| Marcos de Aguiar Guimarães | K.OR2.6 | Marcus Vinicius Salgado | K.OR3.11 |
| Marcos de Paula Cougo | K.P2.97 | Marcus Vinicius Silva | A.P1.8, E.P1.54 |
| Marcos Farina | F.OR3.8 | Maressa Vilela Garcia | J.P1.38 |
| Marcos Geovanni de Souza Pinheiro | L.P1.40 | Margarita Darder | A.P1.47 |
| Marcos Gomes Eleutério da Luz | O.P1.59 | Maria Adrina Paixão de Sousa da Silva | K.P1.20, K.P1.31, K.P1.32, K.P1.42, K.P1.9, V.P1.11 |
| Marcos Gonçalves Júnior | J.P1.22 | Maria Adrina Paixão de Souza da Silva | K.P2.73 |
| Marcos Henrique Falcão da Costa | I.P1.24 | María Alexandra Puerto Medina | D.OR4.8, D.P1.30, D.P1.4, D.P1.5 |
| MARCOS HENRIQUE | L.P2.66 | Maria Alice Carvalho Mazzeu | P.P2.54 |
| MAMORU OTSUKA HAMANAKA | | Maria Alice Martins | B.P1.23, B.P1.24, V.P1.24 |
| Marcos Henrique P Wondracek | J.P1.23 | Maria Alice Witt | R.P3.175 |
| Marcos Jose Leite Santos | L.OR5.16, L.P1.39, M.OR2.5, M.OR2.6, M.P1.25, O.OR3.10, O.P1.12, O.P1.48, O.P1.50 | Maria Angélica Briones | A.P1.2 |
| Marcos Leandro Garcia Andrade | G.OR3.8 | Maria Aparecida Miranda de Souza | A.P1.30 |
| Marcos Lopes Dias | A.P1.25 | | |
| Marcos Lúcio Corazza | J.P2.88 | | |

| | | | |
|---------------------------------------|---|--|--|
| Maria Ap. Zaghete | A.OR9.38, A.P1.33, A.P1.78, A.P1.79, A.P1.80, A.P2.120, A.P2.81, A.P2.82, A.P2.83, A.P2.84, A.P2.86, A.P2.87, E.P1.44, J.P2.119, O.OR4.17 | Maria Isabel Felisberti | J.OR3.13, R.P2.54, R.P3.132 |
| Maria Bandeira Barroso | V.P1.26 | Maria João Oliveira | B.P1.25 |
| Maria Carolina Blassioli Moraes | R.P2.61 | Maria Jose Bell | F.P1.12 |
| Maria C. Asensio | I.OR3.7 | Maria José Pontes | M.P1.34 |
| Maria Clara Guimarães | A.P2.121 | Maria José Valenzuela Bell | M.P1.17 |
| Maria Pedrosa | | Maria Julia Galera Ribeiro | R.P2.122 |
| Maria Cláudia França da Cunha Felinto | C.P1.59, F.P1.14 | Maria L. Braunger | L.P1.13, L.P2.120, L.P2.128 |
| Maria das Graças da Silva Valenzuela | A.P2.143, A.P2.148 | Maria Letícia Murta Valle | V.P1.44 |
| Maria de Fátima Brito Sousa | J.OR1.2, J.P1.65 | Maria Leticia Vega | L.P1.61, L.P2.89 |
| Maria de Fátima Leite | R.P2.97 | Maria Lucia Pereira Antunes | J.P1.29, J.P1.31, J.P2.99 |
| Maria do Carmo de Medeiros | L.OR4.13 | Maria Luisa Braunger | L.P2.119 |
| Maria do Carmo Gonçalves | B.P1.2, B.P1.35, S.P1.17 | María-Luisa García-Betancourt | M.OR5.15 |
| Maria Domingues Vargas | C.OR3.5, C.P1.54 | Maria Luisa Sartorelli | L.OR5.18 |
| Maria Eduarda Tedesco Farina | K.P2.116 | Maria Luiza de Oliveira Pereira | K.P2.69 |
| Maria Elena Leyva | L.P2.133, S.P1.18, S.P1.24, U.P1.4 | Maria Luiza Miranda Rocco | A.P1.28, L.P2.85, O.P1.33 |
| Maria Eleonora Andrade de Carvalho | J.P2.161 | Mariana Agostini de Moraes | R.OR6.19 |
| María Esperanza Cortés | R.P1.20, R.P2.75 | Mariana Amorim Fraga | J.P1.43, J.P1.6 |
| Maria Eunice Carvalho Tosello | V.P1.37 | Mariana Andrade Boense Tavares | N.P1.4, N.P1.8 |
| Maria Euride Cancino | Q.OR3.8 | Mariana Banea | I.OR4.20 |
| Maria Fernanda de Souza Ferreira | J.P1.41 | Mariana Botelho Barbosa | A.P1.14, R.P2.86 |
| Maria Fernanda Romeu Lino de Souza | J.P2.169 | Mariana Charleaux Tabchoury | O.P1.52 |
| Maria Gabriela Nogueira Campos | R.P1.13, R.P2.58 | Mariana Couto Siqueira | P.P1.47 |
| Maria Helena Ambrosio Zanin | R.OR3.10, R.OR6.20 | Mariana Cuba Faraco | R.P3.137 |
| Maria Helena Andrade Santana | R.P1.39, R.P2.126 | Mariana de Mello Timm | F.OR4.11, G.P1.3 |
| Maria Helena Brijaldo | I.P1.15 | Mariana de Oliveira Carlos Villas Boas | R.P2.124 |
| Maria Helena Carvalho da Costa | C.P1.47, C.P1.56 | Mariana de Oliveira Silva | R.P3.184 |
| Maria Helena Piazzetta | L.P2.80, N.P1.23 | Mariana de Souza Magossi | J.P2.155 |
| Maria Iliut | A.P2.140 | Mariana de Souza Sikora | I.P1.7, J.P1.77, R.P2.101, R.P2.102, R.P2.106 |
| Maria Inês Basso Bernardi | F.P1.29, F.P1.36, F.P1.49 | Mariana Dias de Matos | L.P1.57 |
| Maria Inês Bruno Tavares | B.P1.34 | Mariana Fachin Lopes | J.P1.72 |
| Maria Inez Graf de Miranda | V.P1.42 | Mariana Felix Iastrenski | N.P1.32, N.P1.48 |
| | | Mariana Gava Segatelli | A.P1.18, A.P2.109, J.P1.17, N.P1.32, N.P1.48, N.P1.49, N.P1.51 |
| | | Mariana Helena Chaves | R.P1.47 |
| | | Mariana Marina Brito De Carvalho | A.P1.18 |
| | | Mariana Martins de Oliveira Netto | L.P1.6 |
| | | Mariana Mazetto Gazola | K.P1.10 |
| | | Mariana Moraes Góes | V.P1.6 |
| | | Mariana Motisuke | S.P1.19 |

| | | | |
|------------------------------------|--|-------------------------------|---|
| Mariana Nica Zavarize Nica | N.OR4.16, N.P1.11 | Marina Sparvoli | A.OR6.22, A.OR7.27, O.P1.17 |
| Mariana Oliveira Diniz | N.P1.63 | Marina Sparvoli de Medeiros | A.P1.55 |
| Mariana Paola Cabrera | R.P3.161 | Marin van Heel | F.OR3.9 |
| Mariana R. Camilo | P.P1.38 | Mário Almeida Araújo | R.P2.91 |
| Mariana Riboli Nava | J.P2.156 | Mario Cannas | R.OR4.12 |
| Mariana Richelle Pereira da Cunha | L.P2.91 | Mario Cilense | E.OR6.21 |
| Mariana Rodrigues Xavier | R.P3.161 | Mario de Oliveira Neto | B.P1.31 |
| Mariana Xavier Milagre | J.P1.56 | Mario Edson Santos Sousa | A.P1.61 |
| Mariandry dell Valle Rodriguez | P.P2.71, P.P2.72 | Mario Galhiane | J.P2.93 |
| Mariane Alves de Andrade e Silva | J.P2.109 | Mario Henrique Gonzalez | V.P1.15 |
| Marianna Teixeira de Pinho Favaro | R.P2.83 | Mário Lúcio Moreira | M.P1.20, M.P1.6, N.OR2.4, N.P1.28, N.P1.66, O.P1.5 |
| Mariano Andrés Arbelo | A.OR9.32 | Mario Moda Piva | C.P1.11, C.P1.12, C.P1.20, C.P1.72, C.P1.73, C.P1.9 |
| Marian Rosaly Davolos | J.OR1.3 | Mario Santoro | D.OR2.4 |
| Mariany Ludgero Maia Gomes | A.P2.98, A.P2.99 | Mário Sérgio de Carvalho | I.OR1.2 |
| Maria Palmira Daflon Gremião | B6CW | Mazzoni | |
| maria paula peixoto | A.P1.41 | Mario Ueda | I.P1.26 |
| Maria Quintana | A.P1.2, A.P2.141 | Marisa Masumi Beppu | A.P2.138, I.P1.4, R.OR6.19, R.OR6.21, R.P3.160, R.P3.183 |
| Maria Raquel Natali | Q.OR3.8 | Marisa Raquel Rodrigues | A.P2.93 |
| Maria Rita de Cássia Santos | N.P1.20 | Marisol Maril | F.P1.19 |
| Maria Roberta de Oliveira Pinto | S.OR2.5 | Maristela Olzon-Dionysio | J.P1.33 |
| Maria Rosana E. Silva | O.P1.60 | Marivalda Magalhães Pereira | R.P2.97 |
| Marie-Ingrid Richard | N.OR4.15 | Mariza Fernandes Fernandes | J.P1.68 |
| Mariela Alves e Silva | R.OR9.34 | Marizilda Escudeiro Oliveira | J.P2.92 |
| Mariela Nolasco | L.P2.131 | Marjorie Benegra | J.OR3.8 |
| Marilene Henning Vainstein | S.P1.25 | Mark Lindsay | R.OR3.7, R.OR9.35 |
| Marilene Morelli Serna | O.P1.19 | Markus Niederberger | E.OR2.5 |
| Marília Evelyn Rodrigues Oliveira | J.P2.157 | Markus Strobl | G.OR3.7 |
| Marília J. Caldas | A.OR3.11, H.P1.41 | Marli Ferreira | L.P2.122, L.P2.126 |
| Marília Oliveira Goulart | L.P1.23, L.P1.27, L.P1.31 | Marli Leite de Moraes | J.P2.168, R.P2.71 |
| Marília Páscoa Pirralho | N.P1.12, N.P1.17, N.P1.29, N.P1.4, N.P1.43 | Marlo Costa Oliveira | K.P1.26, K.P1.43, K.P2.73 |
| MARILZA SAMPAIO AGUILAR | R.P3.148 | Marlus Koehler | L.P2.77, L.P2.85, O.P1.2, O.P1.40, O.P1.59 |
| Marina Fernandes Cosate de Andrade | A.P1.21, A.P2.123 | Marly Eiko Osugi | J.P1.74 |
| Marina Ferreira de Souza Machado | E.P1.35 | Maroanne Farinácio Dos Santos | R.P2.59, R.P2.63 |
| Marina Fuser Pillis | J.P2.171, J.P2.97 | Marta Elisa Rosso Dotto | L.P2.137 |
| Marina G Martins | A.OR9.34 | Marta E. R. Dotto | L.P2.126 |
| Marina Gomes Murta Moreno | M.P1.2 | Martina Ramella | R.OR4.12 |
| Marina Judice Silva | A.P2.142 | Martin Cruickshank | A.OR9.34 |
| Marina Moraes Tófilo | F.OR1.2, F.OR1.3 | Martin Eduardo Espitia | F.OR2.6, F.P1.60, H.P1.7 |
| Marina Ribeiro Batistuti | R.OR3.7, R.OR9.35 | Martín Eduardo Saleta | C.P1.20 |
| Marina Richena | P.P2.70 | Martin J. Hytch | N.OR3.11 |
| Marina S Leite | M.OR1.3, O.OR2.3 | | |

| | | | |
|-----------------------------------|--|----------------------------|--|
| Martin Mendoza | L.OR6.20 | Mauricio Ribeiro Baldan | A.P1.5, A.P1.54, A.P2.98, A.P2.99, J.P1.15, J.P1.19, J.P2.94, K.P2.68, P.P1.25, P.P2.68, P.P2.69, R.P2.57, R.P2.80, R.P3.156 |
| Maryanna Nobre Cavalcante | F.P1.73 | Maurício Ribeiro Baldan | A.P1.1, A.P2.94, C.P1.21, J.P2.132, P.P2.54, P.P2.66 |
| Maryanne Trafani de Melo | R.P1.35, S.P1.16 | Maurício Silva Nascimento | K.P1.1, K.P1.46 |
| Mary Cristina F Alves | J.P2.127, J.P2.152, J.P2.162 | Maurício Sousa Pereira | O.P1.9 |
| Maryline Guilloux-Viry | J.OR4.16 | Mauricio Terrones | A.P2.134 |
| Marystela Ferreira | L.P1.16, L.P1.9, L.P2.119, R.P2.71 | Mauricio Vicente Donadon | A.OR9.32 |
| Marzena Kmiec | B2VE | Maurizio Musso | F.P1.38, F.P1.69 |
| Massahiro Miyamoto | D.P1.9 | Mauro Bertotti | A.P2.102 |
| Massilon O. Luizon | I.P1.9 | Mauro Carlos Costa Ribeiro | D.P1.6 |
| Matej Mayer | F.OR4.12 | Mauro Cesar de avila | A.P1.71 |
| Mateus Borba Cardoso | R.P2.115 | MAURO CESAR TERENCE | A.P2.125 |
| Mateus Botani Dias | E.P1.4 | Mauro Coelho dos Santos | J.OR5.19 |
| Mateus Dassie Maximino | L.P1.15, R.P3.172 | Mauro Ernesto Júnior | C.P1.24 |
| Mateus Gallucci Masteghin | E.OR6.20, E.P1.17, E.P1.36 | Mauro Meliga Wysard | J.P1.45, J.P1.50 |
| Mateus Vinicius de Paiva | A.P2.114, K.P2.104, K.P2.117, R.OR5.16 | Mauro Pedro Peres | J.P1.37 |
| Matheus Carlos Romeiro Miranda | R.P2.74, R.P2.98 | Mauro Pinheiro Silva | A.OR7.27, A.P1.55 |
| Matheus Deister Veiga | A.P1.14 | Mauro Vanderlei Amorim | H.P1.37 |
| Matheus Eiji Ohno Bezerra | E.P1.48 | Mauro Vestena | B.P1.6 |
| Matheus Feres Freitas | L.P1.29 | Mawin J. M. Jimenez | L.P1.13, N.P1.23 |
| Matheus Guthemberg Setter | L.P2.129 | Max G. Lagally | N.OR4.15 |
| Matheus Machado Silva | B2VE | Maximilian da Rosa | P.P1.27 |
| Matheus Radaelli | C.P1.11, C.P1.12, C.P1.20, C.P1.72, C.P1.9 | Bretschneider | |
| Matheus Santos Pereira | L.P1.15 | Maximiliano Delany Martins | A.OR6.25, I.OR1.3, I.P1.3, R.P1.51, R.P2.87 |
| Matheus Serra de Holanda | O.OR4.12 | Maximiliano Segala | J.P2.160 |
| Mathias Bernhard Steiner | I.OR4.19, L.OR1.2 | Maxim Korytov | N.OR3.11 |
| Mathias Strauss | F.P1.1, Q.OR1.3, Q.OR2.4, Q.OR2.6 | Máximo Siu Li | A.P1.73, A.P1.74, A.P1.76, A.P2.86, F.P1.21, N.P1.15, N.P1.24, N.P1.58, O.P1.61 |
| Mathieu Kociak | N.OR6.25 | Maxímo Siu Li | E.P1.21 |
| Mathilde Champeau | R.OR4.13, S.P1.17 | Maxi Neidhardt | RIG.1 |
| Matias Eliseo Melendez | L.P1.10, L.P1.5, L.P1.7 | Max Passos Ferreira | A.P1.10 |
| Matias Eliseo Menlendez | L.P1.59, L.P1.8 | Maya Dayana Penha da Silva | A.P1.75 |
| Matjaz Spreitzer | E.OR6.18 | Mayanny Gomes da Silva | P.P1.1 |
| Matt Bergren | M.OR3.8 | Mayara Carla Uvida | J.P2.142 |
| Matteo Ceppatelli | D.OR2.4 | Mayara de Brito Dias | V.P1.10 |
| Matteo Pasquali | S.OR1.3 | Mayara dos Santos Amarante | E.P1.22, F.P1.4 |
| Mattia A Lucchini | E.OR2.5 | MAYCON JHONY SILVA | V.P1.24 |
| Maurício Antonio Pereira da Silva | H.P1.22, M.P1.1, M.P1.32 | Maycon Motta | C.OR6.21 |
| Mauricio Arias | M.P1.3 | Maycon Rotta | A.P2.91, C.P1.13 |
| MAURICIO DAVID | S.P1.12, S.P1.13 | Mayelli Dantas de Sá | R.P1.26, S.P1.10 |
| MARTINS DAS NEVES | | | |
| Maurício Eiji Camilo | M.P1.35 | | |
| Maurício Pamplona Pires | F.P1.22, I.OR3.12 | | |
| Maurício Pinheiro de Oliveira | J.P2.131, S.P1.3 | | |

| | | | |
|--------------------------------------|------------------------------|--------------------------------------|---|
| Maykel dos Santos Klem | L.P2.106, L.P2.112, L.P2.136 | Miguel Adriano Inácio | J.P1.84 |
| Maykol Damasceno Oliveira | L.P1.61, L.P2.93 | Miguel Angel Cobos | K.P2.66 |
| Mayrane Carla Nascimento | L.P1.23, L.P1.27, L.P1.31 | Miguel Angel Gonzalez Balanta | N.P1.16, O.P1.23 |
| Maysa Terada | K.P2.118 | Miguel Angelo do Amaral Junior | A.P1.5, P.P1.25, P.P2.69 |
| Mbela Mabaya | A.P2.149 | Miguel Angel Ramírez Gil | V.P1.3 |
| Meg Carolyn Moraes dos Santos | K.P2.100 | Miguel A. San-Miguel | I.OR2.6, I.OR3.11 |
| Mehrad Ahmadpour | O.OR3.6 | Miguel Henrique Boratto | N.P1.10 |
| Meike Stöhr | B2DY | Miguel Jafellicci Júnior | A.OR8.29, J.OR1.3, J.P2.101, R.P1.13 |
| Meire Noriko Hosokawa | V.P1.5 | Miguel Ramos Jr. | R.OR6.18, R.P2.111 |
| Meirinalva Batista Miranda Coelho | E.P1.57, E.P1.58 | Miguel Tayar Galante | P.OR3.7 |
| Melina Espanhol Silva | R.P1.42 | Miguel valentin Iginó | J.P1.38 |
| Melina Mituo | A.P1.21 | Mikaela Darós | A.P1.71 |
| Melissa F. Siqueira Savedra | U.OR3.7 | Mikaelly Daiany Ferreira Borges | C.P1.36 |
| Méri Domingos Vieira | N.P1.19 | Mikhail Yablonskikh | B2DY |
| Mérlin Cristina dos Santos Fernandes | K.P1.40, R.P2.58 | Milady R. Apolinário Silva | V.P1.13 |
| Meryem Tyrasch Ok | R.P2.83 | Mildred Awuor Airo | L.OR7.28 |
| Messai A. Mamo | L.OR7.28 | Milena Martelli Tosi | B.OR2.3 |
| Mian Abdul Ali | L.P1.18 | Milena T. Pelegrino | R.OR1.3 |
| micael maximo almeida | K.P1.4 | Milton Mori | IN.3 |
| Michael Beierlein | S.OR1.3 | Milton Sergio Fernandes de Lima | K.P1.52 |
| Michael Cabrera Baez | B6NB, C.P1.50 | Milton S. Torikachvili | G.P1.1 |
| Michael Engel | L.OR1.2 | Min Bag | R.OR3.6 |
| Michael Fokine | M.P1.29 | Mirabel Cerqueira Rezende | A.P1.26 |
| Michael F Rubner | R.OR6.21 | Mircea Guina | N.P1.16 |
| Michael Jackson Vieira da Silva | R.P3.149, R.P3.192 | Miriã Cristina Santos | S.P1.14 |
| Michael Jones Silva | B.P1.13 | Mirian de Lourdes Noronha Motta Melo | B6RV, K.P1.2, K.P1.3, K.P1.37, K.P1.49, K.P1.50, K.P1.51, K.P1.54, K.P1.58, K.P2.65, K.P2.70, K.P2.72, K.P2.74, K.P2.81, K.P2.83, K.P2.97 |
| Michael Maquera | S.OR1.1 | Mirosław Maczka | D.P1.1 |
| Michael Peterson | P.P2.95, R.P1.28 | Mirta Ines Aranguren | C.P1.7 |
| Michael S. Roberts | A.P1.48 | Mirtânia Antunes Leão | S.P1.22 |
| Michel Chaves | N.P1.21, N.P1.35 | Mitsuo Lopes Takeno | K.P2.100 |
| Michele Gastaldo | A.OR6.25 | M K Chattopadhyay | C.OR6.19 |
| Michele Munk Pereira | Q.P1.26, Q.P1.27 | Mohamed Henini | J.P2.110, N.P1.16, O.P1.23 |
| Michele Odnicki da Silva | O.P1.36, O.P1.37 | Mohammad Kabbani | A.OR3.10 |
| Michele Rocha Rezende | R.P1.16, R.P1.17 | Mohammad Reza Dousti | M.P1.14, M.P1.33 |
| Michele Stanziola Knychala | K.P2.88 | Mohammed ELMASSALAMI | D.OR1.3 |
| Michelle Chizzolini Barbosa | R.P3.181 | Moises Renato Nunes Ribeiro | M.P1.34 |
| Michelle Franz-Montan | R.P2.128 | Mônica Akemi Bando | A.P2.124 |
| Michelle Santos | I.OR4.18, J.P1.54, J.P1.55 | Monica Alberto | A.P2.140 |
| Michelle S. M. Pinheiro de Oliveira | N.P1.27, N.P1.68 | | |
| Michelle Sostag Meruvia | B.P1.14, R.P2.79 | | |
| Michel Muálem de Moraes Alves | R.P1.47 | | |
| Michel Venet Zambrano | E.P1.13, E.P1.28, E.P1.29 | | |
| Miguel Abbate | I.OR3.13 | | |

| | | | |
|---|---|-------------------------------------|--|
| Mônica Alonso Cotta | F.P1.6, N.OR4.16, N.P1.11, N.P1.22, N.P1.44, R.OR7.25 | Natália Sabatini | P.P1.48 |
| Monica Barroso | P.P2.90 | Natália Sabes Sabatini | P.OR3.7 |
| Mónica Cristina García | H.P1.4 | Natal Nerímio Regone | B6WQ, R.P1.3 |
| Mônica Cristina Melquíades | L.P2.114 | Nataly Cristine Campos | R.P3.148 |
| Monica Lira-Cantu | O.P1.6 | Natana Aparecida Jesus | R.P2.78 |
| Mônica Sumie Hieda | E.P1.4 | Natan Mendes Casero | N.P1.28 |
| Monica Yamauti | R.P1.33 | Natan Roberto de Barros | R.P2.74 |
| Monique Camille Camargo | C.P1.64 | Natasha A. D. Yamamoto | O.P1.59 |
| Monique Osorio Talarico da Conceição | F.P1.17 | Natasha D.A. Yamamoto | O.P1.51 |
| Monize Martins Silva | L.P1.53 | Natasha Mirela Inhã Godoi | J.P1.25 |
| Morten Madsen | O.OR3.6, O.OR3.9 | Nathalia Barone Oliveira | P.P2.49 |
| Muhammad Sufaid Khan | P.P1.44 | Nathália B. Tomázio | J.P2.137, L.OR1.3 |
| Munir Salomao Skaf | H.OR3.8, H.OR3.9 | Nathalia Caroline Ferreira | A.OR9.34 |
| Murillo Longo Martins | G.P1.5 | Menezes | |
| Murilo de Araújo | J.P1.27 | Nathália de Souza Giolo | F.P1.8 |
| Murilo Fernando Gromboni | P.P2.75 | Nathalia Marinho Costa | D.P1.1 |
| Murilo Ferreira Marques Santos | I.P1.11, V.P1.1 | Nathália Oliveira Braga | L.P1.32, R.P1.24 |
| Murilo Henrique Moreira | A.P2.111, A.P2.126, A.P2.130 | Nathalia Peixoto | S.OR1.1 |
| Murilo Pires de Lima | A.P2.114, K.P2.104, K.P2.117, R.OR5.16 | Nathalie de Oliveira Lunardi | L.P1.44 |
| Murilo Santhiago | N.OR3.9 | Natielly Andressa da Silva Souza | J.P2.108 |
| Murilo Velo | B6TQ, C.OR5.15 | Navadeep Shrivastava | C.OR3.8, C.P1.35, C.P1.5, C.P1.59 |
| N | | | |
| Nadia Guerra Macedo | A.P1.22 | Nayra Reis Nascimento | A.P2.107 |
| Nádia Regina Jaste Cardoso | K.P2.113 | Nazir Monteiro dos Santos | I.P1.26 |
| Nadine Pébère | I.P1.31 | Neftalí Lenin Villarreal Carreño | B4ZA, E.OR5.15 |
| Nadine Witkowski | O.OR3.6 | Neide Aparecida Mariano | K.P1.40, K.P1.44, R.P2.58 |
| Naiara Letícia Marana | N.P1.35 | Neidenei Gomes Ferreira | A.P1.59, A.P2.130, P.P2.51, P.P2.52 |
| Naiara Zambianco | L.P1.12 | Neil John Coville | L.OR7.28 |
| Naira Maria Balzaretta | D.OR4.8, D.P1.23, D.P1.30, D.P1.4, D.P1.5, D.P1.7 | Neil McKeown | O.OR3.11 |
| Nanlin Zhang | M.OR3.7 | NEILO M TRINDADE | N.P1.35 |
| Nara Regina de Souza Basso | A.P1.27, A.P2.112 | Nelcy Della Santana Mohallem | J.OR2.4, J.P1.75, J.P2.124 |
| Narcizo Souza Neto | D.OR3.6, D.OR3.7, D.P1.29 | Nelcy D. S. Mohallem | H.P1.42, J.P1.69, O.P1.30 |
| Nardiny Diego Souza Alves | K.P2.84 | Nelida Simona Marín Huachaca | A.P1.3 |
| Natália Cristina Silva | B.OR2.3 | Nelson Betolucci | J.P2.93 |
| Natália de Faria Coutinho | O.P1.34 | Nelson Durán | Q.OR3.7, Q.P1.3, Q.P1.6, Q.P1.7 |
| Natália Ferreira Braga | R.P3.153 | Nelson Fabian Villegas Borrero | M.OR6.20, O.P1.29 |
| Natalia Kondo Monteiro | E.P1.32, E.P1.35 | Nemitala Added | F.OR4.12 |
| Natália Marassi Martinelli | R.P2.122 | Neri Alves | E.P1.43, L.P2.100, L.P2.106, L.P2.107, L.P2.110, L.P2.112, L.P2.136, U.P1.5 |
| Natália Neto Pereira Cerize | C.P1.58 | Neus G. Bastús | C.OR3.6 |
| Natália Noronha Ferreira | B6CW | Neusmar Junior Artico Cordeiro | L.P2.127, N.P1.47 |
| Natalia Romero de Oliveira | R.P3.135 | | |

| | | | |
|--------------------------------------|--|--------------------------------------|---|
| Newton Adriano dos Santos Gomes | P.P1.25, P.P2.69 | Oleksii Ivashchenko | B2DY |
| Newton Martins Barbosa Neto | A.P1.61, L.P1.52, L.P1.53, L.P1.55 | Oliver G. Schmidt | M.P1.39, N.OR4.15 |
| Newton Soares Silva | R.P1.5 | Olivia Carr | L.OR6.21, L.P1.10 |
| Ney Mattoso | F.P1.31 | Olivier Cambon | D.OR2.4 |
| Nguyen Ngoc Duy | C.OR6.21 | Oneide Chire Quispe | E.P1.49 |
| Nicele Brito Pimentel | P.P2.93 | Orisson Ponce Gomes | R.P2.85 |
| Nicola Pugno | H.OR3.11 | Orlando Fatibello Filho | A.P2.139 |
| Nicolas P. Vizarim | C.P1.2 | Orlando Lima Ferreira | J.P1.38 |
| Nicolau Molina Bom | D.P1.31 | Orlando Rodrigues Jr. | P.P2.60 |
| Nicolle Ruppenthal | L.OR5.18 | Orleancio Gomes Ripardo Azevedo | S.P1.21 |
| Niels Resandt Wijnaendts Van Resandt | EXP4.8 | Oscar Ávalos Ovando | N.P1.13 |
| Nikifor Rakov Gomez | M.P1.23 | Oscar Ferreira de Lima | C.OR6.20 |
| Niko Churata Mamani | P.P2.92 | Oscar Gomis | D.OR2.5 |
| Nikolay Cherkashin | N.OR3.11 | Oscar Moscoso Londoño | C.OR3.10, C.OR3.8, C.P1.30, C.P1.33, C.P1.34, C.P1.37 |
| Nikos Tsierkezos | O.OR3.9 | Oscar Olimpico Araujo Filho | J.P2.171 |
| Nilo Cano | D.P1.9 | Oscar Samuel Cajahuaringa Macollunco | H.OR3.10, H.P1.19 |
| Nilo Francisco Cano | G.P1.7 | Osmar R. Bagnato | C.P1.31, J.P1.8, K.P2.98 |
| Nilsa Toyoko Azana | A.OR2.4 | Oswaldo Antonio Serra | R.P1.36 |
| Nilson Cristino Cruz | B.P1.18, I.P1.6, J.P1.29, J.P1.30, J.P1.31, J.P1.42, J.P1.46, J.P1.47, J.P1.61, J.P2.153, J.P2.172, J.P2.99, R.P2.103, R.P2.123, R.P2.55 | osvaldo freitas | A.P1.41 |
| Nilson T. C. Oliveira | R.P2.56, R.P2.88 | Oswaldo L Alves | Q.P1.16 |
| Nilton Alves | V.P1.50 | Oswaldo Novais Oliveira Jr | B6AN, J.P2.168, L.OR6.21, L.P1.10, L.P1.22, L.P1.24, L.P1.5, L.P1.59, L.P1.7, L.P1.8, L.P2.96, M.OR5.12, ME.2, N.OR2.5, O.P1.26, R.OR3.8, R.P1.2, R.P1.48, R.P3.138, R.P3.165 |
| Nilton Francelosi Azevedo Neto | J.P1.83, N.P1.18, P.OR5.15, R.OR8.28, R.P2.85 | Oswaldo Luiz Alves | A.OR6.18, A.P2.132, Q.P1.24 |
| Niravkumar Jitendrabhai Joshi | L.P1.59, N.OR2.5 | Oswaldo Nunes-Neto | L.P2.113 |
| Nivia Salles Santos | R.P1.40 | Otávio Alonso Freire Alves | L.P2.82 |
| Noboru Hioka | R.P1.30 | Otávio Fernandes Lima da Rocha | K.P1.20, K.P1.26, K.P2.113, K.P2.73, K.P2.84 |
| Norbert Koch | O.OR1.1 | Otávio Vilaça Mesquita | U.P1.12, U.P1.13 |
| Norma E Marcovich | C.P1.8 | | |
| Norma Maria Pereira Machado | P.P1.17 | | |
| Nosipho Moloto | L.OR7.28 | | |
| N. Pugazhenthiran | O.P1.28 | | |

O

| | |
|-----------------------------|-------------------|
| Obaid-Allah Adami | C.OR6.21 |
| Odair Gonçalves Oliveira | E.P1.11, E.P1.8 |
| Odila Florencio | A.P2.131, E.P1.28 |
| Odilio Assis | L.P1.22 |
| Odilio B. G. Assis | B.OR2.3 |
| Oigres Daniel Bernardinelli | S.P1.15 |
| Oleksandr Voznyy | M.OR4.9 |

P

| | |
|------------------------------|------------------|
| Pablo A. Venegas | C.P1.14, C.P1.2 |
| Pablo Bruno Paiva Leão | K.P2.76 |
| Pablo D. Borges | H.P1.15 |
| Pablo Forlam Ribeiro Batista | C.P1.43, C.P1.44 |
| Pablo Henrique Menesez | N.P1.46 |

| | | | |
|--|---|---------------------------------------|---|
| Pablo Roberto Rovani | D.OR4.8, D.P1.27, D.P1.7 | Patricia Vilhena Dias Andrade | Q.P1.26, Q.P1.27 |
| Pablo Santana Lemos | N.P1.27, N.P1.3, N.P1.36, N.P1.61, N.P1.68 | Patrick Conti | B.P1.36, C.P1.63 |
| Pablo Tancredi | C.P1.34, C.P1.37 | Patrick Verdonck | J.P1.63 |
| Pablo Tobosque | F.P1.19 | Pau Güell | C.OR3.6 |
| Paloma Bispo Coelho | S.P1.20 | Paula Andreia Petrini | N.P1.52 |
| Pamela Cristina Smecellato | P.P1.22 | Paula Aragão Lima | Q.P1.3, Q.P1.6, Q.P1.7 |
| pamela saavedra | K.OR4.17 | Paula Caldas | F.P1.22, F.P1.46, M.P1.29 |
| Pâmela Sabrina Bento | F.P1.16, J.P2.166 | Paula Cardoso Lauar | K.P1.52 |
| Pamela Thais Sousa Melo | A.P1.36, A.P1.37 | Paula Cristina Faria-Tischer | R.P2.53, V.P1.8 |
| Pâmella Rayo de Luar Campos Gonçalves | E.P1.57, E.P1.58 | Paula C. Rodrigues | L.P1.34, L.P1.48, L.P1.61 |
| Pãmyla Layene dos Santos | A.P1.23 | Paula do Patrocínio Dias | V.P1.20 |
| Paola Ayala | F.OR6.17 | Paula Fabiana Santos Pereira | J.P2.116, J.P2.167, N.P1.27, N.P1.36 |
| Paola Corio | M.P1.30 | Paula Fabíola Pantoja Pinheiro | B2VG |
| Paola Egert Ortiz | J.P2.89, V.P1.10 | Paula Kekes Aal | F.P1.43 |
| Paola Gay dos Santos | M.P1.6 | Paula Lins | Q.OR3.8, Q.P1.22 |
| Paras Prasad | L.P2.130 | Paula Maria Gabriela Leal Ferreira | P.P2.61 |
| PASCAL ROUSSEL | E.OR1.3 | Paula Martins da Silva | T.P1.3, T.P1.6 |
| Pascoal G. Pagliuso | B2VY, C.P1.11, C.P1.12, C.P1.18, C.P1.19, C.P1.20, C.P1.25, C.P1.48, C.P1.60, C.P1.72, C.P1.73, C.P1.9, D.P1.28 | Paula Mendes Jardim | F.OR2.4, F.OR2.5, F.P1.17 |
| Pascoal José Giglio Pagliuso | C.OR6.20 | Paula Nascimento | A.P1.52 |
| Patrícia Alejandra Merino Figueredo | J.P1.79 | Paula Oliveira Braga | N.P1.12, N.P1.4, N.P1.43 |
| Patrícia Alexandra Antunes | R.P2.104, V.P1.37 | Paula Pereira Campos | R.P2.71 |
| Patrícia Almeida | R.P1.19 | Paula Pereira Janusonis | K.P2.112 |
| Patrícia Beneditini Martelli | A.P2.100, A.P2.95 | Paula Ruhnke Valério | V.OR1.3 |
| Patrícia Capellato | R.P2.96 | PAULA SALINO RIBEIRO | A.P1.46 |
| Patrícia Carvalho Garcia | T.P1.3, T.P1.6 | Paula Sevenini Pinto | F.P1.61 |
| Patrícia Corrêa | R.OR8.28 | Paula Silvia Haddad | Q.OR1.2, R.OR1.3 |
| Patrícia Cristiane Santana da Silva | A.P2.129 | Paulo Alliprandini Filho | F.P1.69, L.P1.52, L.P2.78 |
| Patrícia de la Presa | K.P2.63, K.P2.66 | Paulo Augusto Nardi | N.P1.2 |
| Patrícia Fernanda Andrade | B.P1.35 | Paulo Augusto Raymundo Pereira | L.P1.24, L.P1.7 |
| Patrícia Francatto | J.P1.78, J.P1.79 | Paulo Barbeitas Miranda | O.OR2.4, R.P3.165 |
| Patrícia Léo | C.P1.58 | Paulo César Borges | I.P1.22, I.P1.29 |
| Patrícia L Souza | A.OR3.7, F.P1.22 | Paulo César de Camargo | P.P1.2 |
| Patrícia Lustoza Souza | I.OR3.12 | Paulo Cesar Rabelo | J.P1.20 |
| Patrícia Mariana Alves Caetano | F.P1.28, F.P1.61, R.P1.32 | Paulo Cesar Reis Filho | E.P1.19, V.OR2.6 |
| Patrícia Mendonça Pimentel | C.P1.31, K.P2.98 | Paulo Cesar Soares Jr | D.P1.23 |
| Patrícia Oliveira de Andrade | R.P3.142 | Paulo de Tarso Cavalcante Freire | D.OR3.7, U.P1.7 |
| Patricia Prediger | A.P2.137 | Paulo de Tarso Vieira Rosa | R.P3.159 |
| Patricia Rivas | C.P1.37 | Paulo Ernesto Marchezi | O.P1.32 |
| Patrícia Salvador Tessaro | O.P1.49 | Paulo Ferreira | F.OR3.7 |
| Patricia Santos Lopes | A.P1.48 | Paulo F. P. Fichtner | C.P1.64, F.OR4.11, G.P1.3, O.OR3.6 |
| | | Paulo Franzen | M.P1.28 |
| | | Paulo Freitas Gomes | B6YF |

| | | | |
|-----------------------------------|--|-------------------------------------|---|
| Paulo Henrique Assis | R.P3.147 | Pavlina Ruleova | D.OR2.5 |
| Paulo Henrique Camani | J.P2.143 | Pawan Jolly | R.OR3.7, R.OR9.35 |
| Paulo Henrique de Sousa Picciani | L.P1.32, R.P3.164 | Pedro Akiama Couto Borges | K.P1.27 |
| Paulo Henrique Dias Ferreira | J.P2.110, M.OR6.19 | Pedro Akira Bazaglia Kuroda | K.P2.105, R.OR8.27 |
| Paulo Henrique Michels Brito | J.P2.145 | Pedro Alejandro Orellana | N.P1.13 |
| Paulo Henrique Paulista | K.P1.17, K.P1.18 | Pedro Alves da Silva Autreto | A.OR3.10, A.OR3.9, H.P1.27, I.OR2.5 |
| Paulo Henrique Pereira | O.P1.22 | Pedro A. P. Nascente | I.OR3.10, I.P1.1, R.OR9.31, R.P2.56 |
| Paulo Henrique Rappl | N.P1.12, N.P1.29, N.P1.4, N.P1.43, N.P1.8 | Pedro Arthur Castro | A.P2.106 |
| Paulo Henrique Vaz Silva | A.P2.118 | Pedro Augusto de Andrade Novaes | R.P3.191 |
| Paulo Henrique Xavier | P.P2.92 | Pedro Barquinha | B.P1.19 |
| Paulo Inácio da Costa | A.P2.120 | Pedro Bell Santos | K.P2.116 |
| Paulo Inforcatti Neto | R.P1.26, R.P2.79 | Pedro Carrilho Inácio | L.OR4.13 |
| Paulo José Pereira de Oliveira | H.P1.20 | Pedro Cicolin Leme | L.P2.95 |
| Paulo Junho Oliveira | K.P1.49 | Pedro da Silva Craidy | K.OR3.8 |
| Paulo Lourenço Monteiro Junior | K.P1.42, K.P1.9, K.P2.84 | Pedro de Freitas Façanha Filho | D.P1.2 |
| Paulo Noronha Lisboa-Filho | J.P1.83, N.P1.18, P.OR5.15, Q.P1.5, R.OR7.25, R.P1.1, R.P2.85 | Pedro de Souza Ciacco | K.P2.70 |
| Paulo Pedro Kenedi | I.P1.24, K.OR2.5, K.P1.21 | Pedro Estrela | L.OR6.19, R.OR3.7, R.OR9.35 |
| Paulo Ricardo Garcia | B6BK | Pedro Flório | R.P2.84 |
| Paulo Roberto Bueno | L.OR6.22 | Pedro G. Demingos | L.OR5.16, L.P1.39, M.OR2.6 |
| Paulo Roberto da Silva Ribeiro | J.P2.158, J.P2.159 | Pedro Henrique Benites Aoki | J.P2.144, R.P3.138, R.P3.168, R.P3.177 |
| Paulo Roberto dos Santos Salbego | R.OR3.11 | Pedro Henrique Cury Camargo | M.P1.40, R.P3.158 |
| Paulo Roberto Gomes Alves | J.P2.111 | Pedro Henrique de Oliveira Nogueira | O.P1.62 |
| Paulo Roberto Mei | J.P1.40 | Pedro Henrique Pereira | A.OR3.7 |
| Paulo Roberto Ranzan Britto | G.P1.4 | Pedro I. Paulin Filho | R.P2.56 |
| Paulo Rogério Catarini da Silva | P.P1.15, P.P1.18, P.P1.20, P.P1.21 | Pedro Ivo Cunha Claro | B.OR3.7, B.P1.26, B.P1.4 |
| Paulo Sergio Calefi | K.P2.86 | Pedro Ivo Rodrigues Moraes | H.P1.1, H.P1.9 |
| Paulo Sérgio da Silva Junior | A.P2.131, E.P1.13, E.P1.28, E.P1.29 | Pedro K. Kiyohara | C.OR2.3 |
| Paulo Sergio de Paula Herrmann Jr | F.P1.56 | Pedro L. G. Jardim | N.P1.28, O.P1.5 |
| Paulo Sérgio Marques | S.P1.24 | Pedro Lima Forster | F.P1.14 |
| Paulo Sérgio Soares Guimarães | M.P1.39 | Pedro Luis Grande | F.P1.47 |
| Paulo S. G. Magalhães | L.P1.13 | Pedro Manoel de Lima | D.P1.19 |
| Paulo S. Gonçalves | V.P1.24 | Quintanilha Mantas | |
| Paulo Souza Souza | D.P1.15 | Pedro Mendoza Zelis | C.P1.1, C.P1.7 |
| Paulo Tambasco Oliveira | R.P1.4, R.P2.84 | Pedro Migowski | F.P1.74, J.P2.123, J.P2.150, N.P1.26 |
| Paulo Tarso Freire | D.P1.3 | Pedro Monteiro Cônsoli | L.OR3.11 |
| Paulo Trindade Araujo | A.P1.61, L.P1.55 | Pedro Orellana Dinamarca | C.OR6.17 |
| Paulo Wilmar Barbosa Marques | A.P2.131 | Pedro Rezende Gonçalves | I.OR1.2 |
| Paul S Weiss | PS006.7 | Pedro Roberto Goulart | K.P1.34 |
| Pavel Zhurauski | R.OR9.35 | Pedro Schio de Noronha Muniz | C.P1.23, C.P1.66, C.P1.68, J.P1.24, J.P2.95 |
| | | Pedro Tendrih Sodré | A.P2.82 |

| | | | |
|--------------------------------|---|-------------------------------|--|
| Pedro Victor Valadares | C.P1.38 | Priscila Sayoko Silva | L.P2.125 |
| Romanholo | | Wakabayashi | |
| Pedro Vinicius de Assis Bueno | R.P1.14 | Priscila Tamiasso Martinhon | R.P1.31 |
| Pedro Vitor Dixini | P.P1.10, V.P1.7 | Priscilla Braga Bedor | R.P2.117 |
| Pedro Vitor Morbach Dixini | F.OR4.13, F.P1.41, J.P1.13, P.P1.11, P.P1.19, P.P1.22, R.OR5.17 | Priscylla Ferreira Santos | K.P1.28, K.P2.82 |
| Pedro Yoshito Noritomi | R.OR3.9 | Prof. Dr. Sanjay Mathur | E.OR6.17 |
| Pei Jen Shieh | A.OR2.4 | Pulickel Ajayan | A.OR3.10, P.P2.55 |
| Persio Mozart Pinto | K.P2.85 | | |
| Person Pereira Neves | C.P1.57, C.P1.62, P.P2.92 | R | |
| Peter Hammer | A.OR9.36, I.P1.13, J.OR5.18, J.P1.76, J.P2.142 | Rachel Bharbara Maccheronio | R.P1.19 |
| Peter Jürgen Tatsch | A.OR9.31 | Dalmaso | |
| Peter Lund | O.OR4.16, O.P1.7, P.P2.76 | Rachel Faverzani Magnago | J.P2.89, V.P1.10 |
| Peter Mascher | N.OR5.19 | Rachel Santos Mendes | J.P1.35 |
| Peterson Ferrandini | K.P1.11, K.P1.13, K.P1.14 | Radovan Borojevic | U.OR3.6 |
| Petra Rudolf | B2DY | Rafaela Cristina Sanfelice | A.P2.111, A.P2.126, J.P2.130, J.P2.136, J.P2.137 |
| Petru Apostol | L.P2.103 | Rafaela Moos | F.P1.44 |
| Petrus d'Amorim Santa-Cruz | A.OR7.28 | Rafael Aparecido Ciola | A.P2.81, A.P2.84 |
| Phabyanno Rodrigues Lima | L.P1.23, L.P1.27, L.P1.31 | Amoresi | |
| Phelippe De Araújo Pereira | I.OR4.20 | RAFAEL ARTHUR | K.P2.119 |
| Philippe Pocidonio Silva | S.P1.7 | GIORJAO | |
| Philippe Ohresser | BAAK | Rafael Bento de Sousa | J.OR2.6 |
| Pierre Basílio Almeida | F.P1.59, O.P1.53 | Rafael Bergamo Trinca | R.OR1.2, R.P3.132 |
| Fechine | | Rafael Besse | H.OR4.15, H.P1.16 |
| Pierre-François Brevet | M.OR5.11 | Rafael Bianchini Nuernberg | P.P2.94 |
| Pietro Ciancaglini | R.P2.77 | Rafael Bonacin de Oliveira | E.P1.16 |
| Pilar Aranda | A.P1.47 | Rafael Borges Merlo | O.OR3.8, O.P1.34, O.P1.57 |
| Pilar Gregory Vianna | M.OR1.2 | Rafael Camargo Bertinotti | E.P1.36 |
| Pilar Hidalgo Falla | O.P1.62 | Rafael Cardoso Toledo | K.P2.68 |
| Pin-Chu Chen | L.OR3.9 | Rafael Cartoni Monteiro | P.OR6.21 |
| P. M. Franci | J.P2.112 | Rafael Cintra Hensel Ferreira | K.OR4.18, L.OR2.5 |
| Pol De Pape | EXP6.10 | Rafael C Trentin | C.P1.42 |
| Poliana Lima Rocha | N.P1.53 | Rafael da Costa Brito | O.P1.12, O.P1.50 |
| Pollyana Francielli Oliveira | R.P2.78 | Rafael da Silva | E.P1.8, I.P1.14 |
| Polyanna Bruna Alves Oliveira | O.P1.23 | Rafael dos Santos | M.P1.40 |
| Pragya Jain | P.OR4.11 | Geonmonond | |
| Prasana Sahoo | N.OR4.16 | RAFAEL FERREIRA | K.P1.7 |
| Prasun Banerjee | E.OR4.14 | FERREIRA | |
| Priscila Alessio | L.P1.15, R.P3.172 | Rafael Furlan de Oliveira | N.OR1.2, N.OR1.3, N.OR3.8, N.P1.23, N.P1.52 |
| Priscila Dias Mendonça | R.P1.38 | Rafael Grande | B.P1.3, V.P1.30, V.P1.32, V.P1.33, V.P1.49 |
| Priscila Ferrari Silveira Rosa | C.P1.72 | rafael Jesus gonçalves Rubira | A.P1.43, F.P1.2, J.P2.126 |
| Priscila M.S.C. Leite | J.P2.149, J.P2.169 | Rafael Kakitani | K.OR3.12, K.OR3.13, K.P1.29, K.P1.39 |
| Priscila Rodrigues Verneck | K.P1.6 | | |
| Priscila Romagnoli | A.OR4.14 | | |

| | | | |
|-------------------------------|--|--------------------------------|--|
| Rafael Lavagnolli | A.P1.60 | Raphael Antonio Caface | P.P2.82 |
| Germescheidt | | RAPHAEL APARECIDO | N.P1.62 |
| Rafael Lemos dos Santos | P.P2.71, P.P2.72 | SANCHES NASCIMENTO | |
| Rafael Lopes de Souza | I.OR1.3, I.P1.3 | Raphael Bianchi de Vicente | K.P2.103 |
| Rafael Louzada | J.OR3.14 | Raphael da Silva Alvim | I.OR2.4 |
| RAFAEL MARINHO | K.OR3.10 | Raphael Euclides Prestes | A.P1.29 |
| BANDEIRA | | Salem | |
| Rafael Natal L de Menezes | R.P2.54 | Raphael Longuinhos Monteiro | A.P1.15, A.P1.16 |
| Rafael Nunes Gontijo | A.OR6.20 | Lobato | |
| Rafael Oliveira | T.P1.2 | Raphael Lucas Sousa Silva | F.P1.21 |
| Rafael Pacheco Evangelista | S.P1.22 | Raphaell Willian Myzaell dos | F.P1.53 |
| Rafael Parra Ribeiro | I.P1.6, J.P1.29, J.P1.46, J.P1.47, J.P1.61, R.P2.123 | Santos | |
| Rafael Plana Simões | H.P1.30 | Raphael Moral Moral | O.P1.46 |
| Rafael Resende Lucas | J.P2.146 | Raquel Alves Santos | R.P1.23 |
| Rafael Rodrigues | L.OR7.28 | Raquel Aparecida Domingues | L.OR5.17, L.P2.129 |
| Rafael Rodrigues Del Grande | I.OR4.19 | Raquel A. Ribeiro | C.OR6.22, C.P1.41 |
| Rafael Silva | R.P1.2 | Raquel Couto de Azevedo | R.P2.73 |
| Rafael Silveira Mourão | I.P1.19, I.P1.20 | Gonçalves Mota | |
| Rafael Tomaz da Silva | C.P1.57 | Raquel de Moraes Lobo | V.P1.45 |
| Rafael Uarth Fassbender | F.P1.71, M.P1.6 | Raquel Giulian | C.P1.27 |
| Rafael Vieira Perrella | F.P1.62 | Raquel Luiza Mageste Fonseca | J.P1.86 |
| Rafael Zadorosny | A.P2.91, C.P1.13 | Raquel Riciati do Couto Vilela | F.P1.7 |
| Rafhael De Nez | I.P1.28 | Raquel Rubia Bueno | J.P2.149 |
| Raigna Augusta da Silva Zadra | A.P2.122, B2J6, Armond | Raquel Silva Thomaz | F.P1.74, J.P2.123, J.P2.150 |
| | B2XW, B46E, L.P1.36, L.P1.52, L.P1.56, R.P1.8 | Rasmus Hartmann-Petersen | G.P1.5 |
| Raimundo Exedito | K.P2.75 | Raul de Oliveira Freitas | F.OR5.15, F.OR5.16, L.P2.72, M.OR5.12, M.P1.39, M.P1.41 |
| Vasconcelos | | Raúl Eduardo Bolmaro | K.P1.6, K.P2.90 |
| Raimundo Lora Serrano | C.P1.60, C.P1.61, D.P1.28 | Raul Fernando Cuevas | E.P1.24, N.P1.38, N.P1.46 |
| Raimundo Ribeiro Passos | J.P1.52, J.P1.53, O.P1.54, P.P2.53 | Raul Julian Revelo Tobar | E.P1.26 |
| Raimundo Vicente de Sousa | Q.P1.26, Q.P1.27 | Raul Oliveira de Araújo | K.P2.95 |
| Raissa Mendes Silva | N.P1.53 | Raúl Rangel Rojo | M.OR5.15 |
| Raíssa Pravatta Pivetta | A.P1.33 | Raul Victor Lourenço | S.P1.21 |
| Raja Junaid Amjad | M.P1.14, M.P1.33 | Penaforte | |
| Raj Banerjee | K.OR3.7 | Rauni Coelho Costa | F.P1.51 |
| Rajesh Dagupati | M.P1.14 | Rayana Marcela Izidoro da | P.P1.39 |
| Raluca Savu | A.OR9.31 | Silva Santos | |
| Ramalinga Viswanathan | O.P1.28 | Rayane Dantas da Cunha | J.P2.117 |
| Mangalaraja | | Ray LaPierre | N.P1.31 |
| Ramon dos Santos | A.OR5.16 | Rayssa de Souza Lopes | R.P2.95 |
| Ramon Moreira Peres | J.P1.37 | Rebeca da Rocha Rodrigues | L.P1.45 |
| Ramón Raudel Peña Garcia | C.P1.28, C.P1.29, H.P1.29, H.P1.35 | Rebeca da Silva Grecco | V.P1.4 |
| Ramón Sigifredo Cortés | J.P1.1 | Romano | |
| Paredes | | Rebeca Delatore Simões | V.P1.37 |
| Ramon Zarate | M.P1.3 | Rebecca Abreu Nascimento | U.P1.12, U.P1.13, V.P1.43 |
| Raonei Alves Campos | J.P1.43, J.P1.6, K.P1.36 | Regiane Cristina Oliveira | A.P1.75, P.P2.79 |
| | | Regiane Godoy Lima | L.P2.104, R.P3.189, S.P1.4 |

| | | | |
|--------------------------------|--|------------------------------------|---|
| REGINA CÉLIA REIS NUNES | A.P1.46 | Renato Araújo Barros | K.P1.4 |
| Regina Duque Estrada Carvalho | A.P1.10 | Renato Baldan | K.P1.5 |
| reginaldo konatu | R.P1.49 | Renato Boschilia Junior | E.P1.31 |
| Reginaldo Muccillo | E.OR1.1, E.OR3.10, E.P1.20 | Renato B. Pontes | A.OR3.6 |
| Reginaldo T Konatu | R.P1.49, R.P2.110 | Renato Chaves Souza | K.P1.23, K.P1.44 |
| Reginaldo Toshihiro Konatu | R.P1.49, R.P2.105 | Renato Cruvinel de Oliveira | E.OR3.11 |
| Regina Pekelmann Markus | L.OR6.23 | RENATO DE VALENTE VALENTE | P.OR5.14, S.P1.25 |
| REGINA SANDRA VEIGA NASCIEMNTO | A.P1.46 | Renato Dourado Maia | R.OR6.23 |
| Regina Teresa Rosim Monteiro | B.P1.32, Q.P1.24 | Renato Fernando Caron | F.P1.31 |
| Regivaldo Sobral Filho | J.P2.144 | Renato F. Jardim | C.OR2.3, G.P1.1 |
| Reiga Ramalho Ribeiro | R.P1.38 | Renato Grillo | R.P1.22, R.P3.154 |
| Reinaldo Gaspar Bastos | R.P3.187 | Renato Leonardo De Freitas | S.OR1.2 |
| Reinaldo Souza Miranda | S.P1.23 | Renato Luiz Siqueira | O.P1.16, P.P2.81 |
| Reinaldo Yoshio Morita | A.P1.71, A.P2.133 | Renato Massaharu Hassunuma | T.P1.3, T.P1.6 |
| Reisla Grasielle Gonçalves | P.P2.71, P.P2.72 | Renato Mazin Latini | N.P1.59 |
| Renan Aparecido Fernandes | A.P1.44, R.P2.112, R.P2.90 | Renato N. Sampaio | L.P1.53, L.P1.55, O.P1.3 |
| Renan Augusto Lisboa Almeida | O.OR4.13 | Renato Sergio Mello Silva | K.P1.49 |
| Renan Augusto Pontes Ribeiro | I.P1.12, N.P1.14, N.P1.33, N.P1.34, N.P1.54, N.P1.64, P.P1.14, P.P1.16 | Renato Tillmann Bassini | D.P1.20 |
| Renan Bovoloni Ruocco | V.P1.49 | Renato V. Gonçalves | F.P1.56, J.P2.123 |
| Renan Carreiro Rocha | K.P2.91 | René Alfonso Nome | M.P1.10 |
| Renan Colucci | L.P2.69, L.P2.70 | Rene Collazo Carceller | A.P2.148 |
| Renan Daniel Domingos | B6TQ, C.OR5.15 | Rene Pfeifer | R.P1.31 |
| Renan da Silva Fernandes | A.P1.69 | Rene Ramos de Oliveira | A.P2.106 |
| Renan Lucas Ribeiro | M.P1.37 | Rene Wick | E.P1.37 |
| Renann Pereira Gama | K.P1.4 | Renilma de Sousa Pinheiro Fonseca | C.P1.30, C.P1.35, C.P1.36, C.P1.5 |
| Renan Pereira Gama | K.P1.4, K.P2.94 | Renivaldo José dos Santos | L.P1.28 |
| Renan Pereira Pedro | L.P2.101 | Rero Marques Rubinger | A.P1.12, E.P1.14, E.P1.50, F.P1.20, N.P1.42, O.P1.14, O.P1.52, O.P1.8 |
| Renata Aquino | C.P1.17, J.P2.145 | Reynaldo Pugliesi | G.OR3.8 |
| Renata Aquino Carvalho | B.P1.7 | Rhauane Almeida Galvão | P.P1.33 |
| Renata Cardoso Roncoleta | O.P1.62 | Rhaul Oliveira | J.P1.74 |
| Renata Cerruti da Costa | R.P2.117 | Rian Aderne | L.OR7.27 |
| Renata Cristina de Paula | B2J6, B2XW, R.P1.8 | Rian Esteves Aderne | L.P2.114 |
| Renata da Silva Magalhães | E.P1.43, O.P1.61 | Ribal Georges Sabat | M.P1.25 |
| Renata de Lima | R.P3.154 | Ricardo A. Couto | C.OR2.3 |
| Renata Diniz | H.OR1.3 | Ricardo A Furtado | R.P2.78 |
| Renata Lang Sala | A.P1.45, R.P3.146 | Ricardo Alexandre Amar de Aguiar | A.P2.145, A.P2.149 |
| Renata Lilian Portugal Fagury | V.OR2.6 | Ricardo Alexandre Galdino da Silva | K.P2.107 |
| Renata Martins Parreira | R.P1.4, R.P1.5 | Ricardo Alex Dantas Cunha | J.P2.117 |
| Renata Santos Seixas | A.P1.34 | Ricardo Bortoletto-Santos | J.P2.100, J.P2.102, J.P2.151 |
| Renata Simão | J.OR4.15 | Ricardo Cotrin Teixeira | N.OR3.12 |
| Renato Altobelli Antunes | K.OR3.15, K.P1.56, P.P2.49 | Ricardo Donizeth Dos Reis | D.P1.29 |
| | | Ricardo Flávio Aroca | R.P2.64 |
| | | Ricardo Floriano | P.P1.9 |
| | | Ricardo Francisco Gouvêa | A.OR9.32 |

| | | | |
|--|------------------------------------|-----------------------------------|---|
| Ricardo Franco | B.P1.25 | Robert E Cohen | R.OR6.21 |
| Ricardo Gaspar | B.OR3.10 | Robert Graham | S.OR1.1 |
| Ricardo Geraldo Sousa | R.P3.155 | Robert Hurt | Q.OR3.11 |
| Ricardo Henriques Leal | K.P1.27 | Roberto Alves de Sousa Luz | R.P3.176, R.P3.178 |
| Ricardo José de Mendonça | R.P2.74 | Roberto Bertholdo | J.P2.87, M.P1.2 |
| Ricardo Klaus Kramer | B.P1.33 | Roberto Bini | D.OR2.4 |
| Ricardo Lima Guimarães | L.P1.20 | Roberto Carlos Corrêa | C.P1.40 |
| Ricardo Luiz Perez Teixeira | V.P1.2 | Roberto Dos Reis | O.OR3.6 |
| Ricardo Magno Lopes Silva | N.P1.52 | Roberto Escobar | C.P1.67 |
| Ricardo Martins de Martins | V.P1.42 | Roberto Hiroki Miwa | A.OR3.6, A.P1.4 |
| Ricardo Meurer Papaléo | C.P1.64, J.P2.123 | Roberto Jakomin | F.P1.22 |
| RICARDO Miranda de OLIVEIRA JUNIOR | K.OR3.14 | Roberto Koji Onmori | L.P2.68, O.P1.31 |
| Ricardo Nascimento Pombo do Amaral | F.OR2.4 | Roberto Luzzi | N.P1.5 |
| Ricardo Noboru Igarashi | C.OR4.12 | Roberto Magalhães Paniago | A.OR6.25, R.OR6.23 |
| Ricardo Paupitz Barbosa dos Santos | H.P1.43 | Roberto Manuel Torresi | K.P2.124 |
| Ricardo Peixoto Suassuna Dutra | J.P2.141 | Roberto Maria Covolan | S.P1.27 |
| Ricardo Rodrigues Urbano | C.P1.19, C.P1.20, C.P1.72 | Roberto Mendonça Faria | H.P1.17, L.P2.111, L.P2.71, L.P2.74, L.P2.88, L.P2.90, L.P2.91, L.P2.92, L.P2.97, M.OR5.12, O.P1.35, U.OR1.1, V.OR1.4 |
| Ricardo Santiago de Oliveira Gouvea | R.P2.54 | Roberto Nunes Duarte | K.P1.44 |
| Ricardo S. de Moraes | P.P1.38 | Roberto R de Avillez | V.P1.34 |
| Ricardo Shindi Hosokawa | J.P2.172 | Roberto Ricardo Panepucci | N.OR3.12, S.P1.27 |
| Ricardo Vignoto Fernandes | L.P1.57 | Roberto Rivelino | H.OR3.6 |
| Ricardo Wagner Nunes | I.OR3.12 | Roberto Tetsuo Fujiyama | F.P1.10, F.P1.3, F.P1.37, F.P1.5, F.P1.58, H.P1.33, V.P1.31 |
| Richard G Compton | M.OR3.7 | Roberto Vaz | A.P1.9, I.P1.18, I.P1.20 |
| Richard Landers | I.OR3.10 | Roberto Villarroel | P.P2.89 |
| Richardson Leão | S.OR2.4 | Roberto Zenhei Nakazato | P.P1.39, R.P2.100, R.P2.110, R.P2.114, R.P2.94 |
| Richart Falconi Calderon | D.OR1.3 | Robert P.H. Chang | V.OR1.1 |
| Richelmy Magi Sanches | J.P2.132 | Robert Prudêncio Amaral | C.P1.60, C.P1.61, D.P1.28 |
| Ricson Rocha de Souza | D.P1.22 | Robert Schennach | B.OR3.8 |
| Rinaldo Caldeira Pinto | L.P2.73 | Robert Vajtai | A.OR3.10 |
| Rinaldo dos Santos Araújo | R.P1.33 | Robinson Carlos Dudley Cruz | D.P1.19 |
| Rinaldo Trotta | N.OR6.26 | ROBSON Guimarães | I.P1.34, S.P1.2 |
| Rita de Cássia Cipriano Rangel | J.P1.42, J.P1.46, J.P1.47, J.P1.61 | SANABIO | |
| Rita de Cássia Lacerda Brambilla Rodrigues | R.P2.67 | Robson Lopes Grosso | E.OR1.2 |
| Rita de Cássia Mendonça Sales | A.OR9.32 | Robson Raphael Guimarães | O.P1.1, P.OR3.9, P.P1.12, P.P1.13 |
| Ritchelli Ricci | R.P2.122 | Robson Rodrigues Moura | F.OR4.13, F.P1.41 |
| Rivaldo Lins Rocha Filho | J.P2.141 | Rocío Del Pilar Bendezú Hernandez | K.P1.47 |
| Rivânia Hermógenes Paulino Romero | K.P2.62 | Rocío María Tamayo Calderón | N.P1.1 |
| R. Nirmala | C.OR6.23 | | |
| Roberson José da Silva | J.P1.58, J.P2.163 | | |
| Roberta Alves Gomes Matos | K.P2.72, K.P2.74, K.P2.88 | | |
| Roberta Polak | R.P3.160, R.P3.183 | | |
| Roberta Viana Ferreira | R.OR9.34, R.P2.120 | | |

| | | | |
|------------------------------------|---|-----------------------------------|---|
| Rócio Sánchez-de-Armas | P.OR6.18 | Rodrigo Leandro Silveira | H.OR3.8, H.OR3.9 |
| Rodrigo Cury de Oliveira | F.P1.36 | Rodrigo Lupinacci Villanova | J.OR3.8 |
| Rodnei Bertazzoli | J.P1.65 | Rodrigo Marques Tafuri | J.P1.82 |
| Rodney Capp Pallotta | R.P1.19 | Rodrigo Mero Sarmento da Silva | F.P1.73 |
| Rodolfo Bonoto Estevam | A.P2.150, P.P2.50, V.P1.47 | Rodrigo Monico Peixoto | L.OR5.18 |
| Rodolfo Franco de Moraes Pantoja | F.P1.58 | Rodrigo Neumann Barros Ferreira | L.OR1.2 |
| Rodolfo Minto de Moraes | R.P3.144, R.P3.145, R.P3.147 | Rodrigo O. G. Chaves | P.OR1.3 |
| Rodolfo Santos Fonseca | N.P1.29 | Rodrigo Ono | K.P2.63, K.P2.66 |
| Rodolfo Thiago Ferreira | A.P2.150, P.P2.50, V.P1.47 | Rodrigo Perito Cardoso | J.P1.38 |
| Rodolpho Santos Lepich | C.P1.69 | Rodrigo Prioli Menezes | F.P1.22, F.P1.46, M.P1.29 |
| Rodrigo A. Espinoza-González | A.OR4.15, E.OR6.19, N.P1.1, P.P2.89 | Rodrigo Queiros Almeida | O.P1.9 |
| Rodrigo Alvarenga Rezende | R.OR3.9, R.P1.26 | Rodrigo Ribeiro Andrade | I.OR3.12 |
| Rodrigo Azevedo Reis | H.P1.25 | Rodrigo Szostak | O.P1.10, O.P1.58 |
| Rodrigo Barbosa Hilario | J.P1.19 | Rodrigo Teixeira Bento | K.P1.53 |
| Rodrigo B Capaz | D.OR1.3 | Rodrigo Velasco Christovam | K.P1.13 |
| Rodrigo Bezerra Vasconcelos Campos | A.P1.58 | Rodrigo Villares Portugal | F.OR3.9, Q.OR2.5, U.OR3.4 |
| Rodrigo Cardoso de Oliveira | Q.P1.5 | Rodrigo Villegas Salvatierra | A.P2.136, O.P1.33 |
| Rodrigo Cardoso dos Passos | F.P1.57 | Rodrigo Yokoyama Xavier | K.P1.13 |
| Rodrigo Castanha | Q.P1.10 | Roger Borges | J.P2.90 |
| Rodrigo César de Campos Ferreira | I.P1.2 | Roger C. Hiorns | L.P2.120, U.P1.3 |
| Rodrigo da Costa Macedo | A.P2.118 | Roger Gonçalves | P.OR1.2 |
| Rodrigo Felix Cardoso | F.P1.51 | Rogério Bataglioli Bataglioli | R.P3.160, R.P3.183 |
| Rodrigo Fernando Bianchi | L.P1.30, L.P1.32, L.P1.54, L.P2.108, N.P1.63, O.P1.11, R.P1.24, U.OR3.7 | Rogério Magalhaes Paniago | F.OR6.18, I.OR1.2, L.P2.82, N.OR4.15, N.P1.30 |
| Rodrigo Fernando Costa Marques | A.OR8.29, J.P2.101, R.P1.13 | Rogério Miranda Moraes | L.P2.106, L.P2.107, L.P2.112, L.P2.136 |
| Rodrigo Ferrão de Paiva Martins | B.OR1.2, B.P1.19, B.P1.20, B.P1.25, L.P2.90, V.OR1.2 | Rogério Navarro Correia Siqueira | J.P1.51 |
| Rodrigo Ferreira Falci | M.P1.17 | Roger Webb | H.OR3.13 |
| Rodrigo Furquim Ghiraldi | A.P2.114, K.P2.104, K.P2.117, R.OR5.16 | Roland Hany | L.P2.114 |
| Rodrigo Henrique da Silva Rocha | K.P1.50 | Román Alvarez Roca | N.P1.3 |
| Rodrigo Henrique Geraldo | V.P1.16, V.P1.17, V.P1.36 | Román López-Ruiz | C.P1.52 |
| Rodrigo Hiroaki Ideyama | A.P1.55 | Romario justino da silva | J.P2.115, R.P2.70 |
| Rodrigo José Contieri | K.OR3.7, P.P1.9 | Romildo Torres da Silva | R.P1.19 |
| Rodrigo José de Oliveira | J.P2.152 | Romulo Augusto Ando | M.P1.30, M.P1.40 |
| Rodrigo José Mossanek | I.OR3.13 | Rômulo Ribeiro Magalhães de Sousa | L.P2.124 |
| Rodrigo Kenji de Oliveira | B.P1.22 | Ronal de la Cruz Parejas | V.P1.34 |
| Rodrigo Labat Marcos | R.P1.19, V.P1.18 | Ronaldo Carvalho da Silva | A.P2.103 |
| Rodrigo Lassarote Lavall | F.P1.27, P.P2.63 | Ronaldo Crosio Gennari | E.OR5.16, O.P1.20 |
| | | Ronaldo Giro | I.OR4.19 |
| | | Ronaldo Junio Campos Batista | R.P2.91 |
| | | Ronaldo Sérgio de Biasi | A.P1.34 |
| | | Ronaldo Shigueru Sasaki | A.P1.39 |
| | | Ronaldo Timm | A.P1.52 |
| | | Ronaldo Veronês do Nascimento | R.P1.9, V.P1.12 |
| | | Ronald Tararam | F.P1.30 |

| | | | |
|--------------------------------|---|-------------------------------|--------------------------------|
| Ronan Lebullenger | J.OR4.16 | Rubens Martins Moreira | J.P1.86 |
| Rondes Ferreira da Silva Torin | F.P1.25, F.P1.8, J.P2.143, V.P1.21, V.P1.23 | Rubens Nunes Faria | O.P1.19 |
| Rondinelle Ribeiro Castro | S.P1.2 | Rubia Figueredo Gouveia | A.P1.47, F.P1.1 |
| Rondinelli Donizetti | R.P2.74, R.P2.98, | Rubiane Ganascim Marques | J.P2.156 |
| Herculano | R.P3.169, R.P3.170, R.P3.180 | Rudimar Riva | J.P2.149, J.P2.169, K.P1.52 |
| Roosevelt Droppa Jr. | J.P1.34 | Rudimylla da Silva Septimio | K.P2.80, K.P2.82 |
| Rosa Corrêa Leoncio de Sá | R.P2.127 | Rurik Farias | C.OR2.4, F.P1.11 |
| Rosa Fireman Dutra | A.OR7.28, R.P1.38 | Ruth Herta G. Aliaga | D.P1.21 |
| Rosa Maria Rabelo Junqueira | J.P1.60 | Kiminami | |
| Rosa Medeiros Marinho | V.P1.26 | Ruth H. G. A. Kiminami | P.P1.2 |
| Rosana de Fátima Gonçalves | A.P1.75, N.P1.15, N.P1.24 | Ruth Hinrichs | J.OR3.9 |
| Rosana Silva Xavier | F.P1.4 | Ruyan Guo | E.P1.25 |
| Rosane Michele Duarte Soares | R.OR4.14 | Ruy Quadros | IN.3 |
| Rosangela Almeida Maia | L.P1.35 | Ryota Koizumi | P.P2.55 |
| Rosangela Gonçalves Silva | R.P3.180 | | |
| Rosangela Silva Laurentiz | L.P2.104, R.P3.189, S.P1.4 | S | |
| Rosario Vilaplana | D.P1.25 | sabir khan | V.OR2.7 |
| Rosdely Quiroz | J.P1.80 | Sabrina Aléssio Camacho | J.P2.144, L.P2.118 |
| Roselane Cesconeto | P.P2.95 | Sabrina Candido Nunes | J.P1.77 |
| Roselena Faez | B.P1.15, L.P1.37, L.P2.135, P.P2.62 | Sabrina da Nobrega Almeida | I.P1.10 |
| Roseli Fernandes Gennari | G.P1.7 | Sabrina Faria de Lima | F.P1.8 |
| Rosemeire Santos Almeida | R.P3.185 | Sabrina Gonçalves de Macedo | E.OR3.10 |
| Rosendo Parra Milian | P.P1.44 | Carvalho | |
| Rosieli Lemes de Farias | A.P2.117 | Sabrina Lara dos Reis | N.P1.9 |
| Rosimara Passos Toledo | J.P1.63, N.P1.42 | Sabrina Luiza Zordan | P.OR5.14 |
| Rosinei Batista Ribeiro | F.P1.16, J.P2.166, V.OR2.9, V.P1.38 | Sabrina Marinho Kaplum | D.P1.11 |
| Rossano Gimenes | R.P1.42, V.P1.13 | Sabrina Neves da Silva | K.P1.35 |
| Rossano Lang | L.P1.42, L.P2.86 | Sabrina Nicoleti Carvalho dos | M.P1.12 |
| Rossano Lang Carvalho | E.OR5.16, O.P1.20, P.P1.3 | Santos | |
| Rossemberg Cardoso Barbosa | S.OR2.5 | Sabrina Rodrigues Meira | I.P1.22 |
| Rovilson Mafalda | B.OR3.10 | Sachetan Tuladhar | L.P2.111 |
| Roy Victor Escobar | J.P1.5, J.P2.138 | Saimon Filipe Covre da Silva | N.OR6.21 |
| R. Rajivgandhi | C.OR6.23 | Saionara Vilhegas Costa | O.OR3.7 |
| Ruanna Dátila Silva Ferreira | R.P1.45 | Sajjad Hussain | V.OR2.7 |
| Rubén Dario Sinisterra | R.P1.20, R.P2.75 | Sajjad Ullah | D.P1.10, F.P1.52 |
| RUBENIA SILVEIRA | R.P2.121 | Samantha Salomão Caramori | J.OR2.6 |
| MONTE | | Samarah Vargas Harb | A.OR9.36, J.OR5.18, J.P1.76 |
| Ruben Oblitas | I.P1.13 | Samara Schmidt | D.P1.11, D.P1.8 |
| Rubens Caram | J.P1.10, J.P1.21, K.OR3.7 | Samira Esteves Afonso | R.P2.107 |
| Rubens Maciel Filho | O.P1.36, O.P1.37 | Camargo | |
| Rubens Maribondo do | J.P2.141 | Sami Vasala | C.P1.74 |
| Nascimento | | Samuel de Castro Silva | K.P1.31 |
| Rubens Maribondo | I.P1.34 | Samuel de Faria Vieira | L.P1.21 |
| Nascimento | | Samuel Gomes Mercena | C.P1.48 |
| | | Samuel Oliveira Saturno | E.P1.56 |
| | | samuel saire saire | C.P1.49 |
| | | Samuel Silveira Martins | P.P2.84 |
| | | Samy Almosni | O.P1.23 |
| | | Sanaz Asgarifar | L.OR4.13 |

| | | | |
|---|--|-----------------------------------|--|
| Sanclayton Moreira | U.P1.7 | Sebastian Engmann | O.OR3.9 |
| Sandra Américo do Nascimento | B.P1.29 | Sebastian Etcheverry | M.OR5.16 |
| Sandra Andrea Cruz | J.P2.148 | Sebastian Michea | C.OR4.13 |
| Sandra Aparecida Alexandre | P.P2.63 | Sebastião Carlos da Costa | K.P1.57, K.P2.97 |
| Sandra Aparecida Martins Silva | O.P1.14 | Sebastião G. dos Santos Filho | M.P1.24 |
| Sandra Aparecida Silva | O.P1.52 | Sebastião Gomes dos Santos Filho | J.P1.63 |
| Sandra Cerqueira Pereira | B.P1.10 | Sedinei Leal Guadanhim | L.P1.57 |
| Sandra Giacomini Schneider | R.P1.10, R.P1.21 | Sehmus Ozden | A.OR3.10 |
| Sandra Helena Pulcinelli | A.OR9.36, H.P1.15, J.OR5.18, J.P1.76, J.P2.142, K.OR4.19 | Seila Rojas de Souza | F.P1.39, P.P2.93 |
| Sandra Jenatsch | L.P2.114 | Selma Elaine Mazzetto | R.P3.178 |
| Sandra Nakamatsu | K.P1.40, K.P1.44 | Selma Gutierrez Antonio | E.P1.52 |
| Sandra Regina Scagliusi | A.P2.106 | Selton de Freitas Leão | D.P1.17 |
| Sandrine Bernardini | E.OR2.5, E.P1.15 | Sergey A Fedoseev | C.P1.51 |
| Sandro Campos Amico | P.P1.40 | Sergio Akinobu Yoshioka | C.P1.58, S.P1.1 |
| Sandro do Nascimento da Costa | L.P1.55 | Sergio Andres Hernandez | H.P1.12 |
| Sandro Fernandes Firmino | F.P1.74, J.P2.123 | Sergio Antonio Spinola Machado | L.P1.24, L.P1.7 |
| Sandro Fonseca Quirino | J.P2.132, P.P1.25, P.P2.69 | Sérgio Augusto Natali Amaral | E.P1.55 |
| Sandro Griza | K.P1.28 | Sergio Brochsztain | N.P1.41 |
| Sandro Metrevelle Marcondes de Lima Silva | K.P2.97 | Sergio Carneiro dos Reis | P.P1.7 |
| Sandro Silva | K.P1.14 | Sérgio Carvalho de Araújo | J.P2.109 |
| Sandro Vagner de Lima | R.P2.121 | Sergio da Silva Cava | N.OR2.4, N.P1.28, N.P1.66, O.P1.5 |
| Sanja Mikulovic | S.OR2.4 | Sérgio de Souza Camargo Jr. | A.P1.58, J.P1.45, J.P1.50 |
| Sankler Soares de Sá | L.P1.36 | Sérgio dos Anjos Silva | J.P1.21 |
| Santiago J. A. Figueroa | F.P1.48, P.P1.9 | Sergio Eduardo Ulloa | N.P1.13 |
| Santiago Sánchez-Cortés | J.P2.126, M.P1.11 | Sergio Ferrari | D.P1.24, D.P1.25 |
| Sara Gemini Piperni | U.OR3.6 | Sergio Gama | K.P2.107 |
| Sara Guilhon Barboza | A.P2.89 | Sergio Gomes Machado Filho | E.P1.26 |
| Sarah Ackermann | A.OR9.37 | Sergio Graciano | P.P1.4 |
| Sarah David Müzel | J.P1.2, J.P1.9, J.P2.121, K.P2.106, K.P2.77 | Sergio H. Domingues | A.P2.134, M.OR1.2 |
| Sarah Kelly Melo Cavalcante | L.P1.23, L.P1.27, L.P1.31 | Sergio Henrique de Toledo e Silva | S.P1.5 |
| Sara Robert Nahra | S.P1.3 | Sérgio Henrique Pezzin | O.P1.49 |
| Sara Teresinha Olalla Saad | R.P1.50 | Sergio Hiroshi Toma | J.P2.114, P.OR3.9 |
| Saravanan Rajendran | O.P1.28 | Sergio Humberto Domingues | M.P1.40 |
| Sarveena - | C.P1.1 | Sergio Luiz Mineiro | J.P1.84 |
| Satish Kumar Malik | C.OR6.23 | Sergio Luiz Morelhaio | N.OR6.24 |
| Satoru Yoshida | A.P2.124, L.P2.67, L.P2.68, O.P1.31 | Sergio Mazurek Tebcherani | D.P1.11, D.P1.8 |
| Saulo Amaral Carminati | P.P2.80 | Sérgio Michielon de Souza | D.P1.26, K.P2.100 |
| Saulo Jacobsen | F.P1.30 | Sergio Natali Amaral | E.P1.55 |
| Saulo R Silva | Q.P1.26, Q.P1.27 | Sérgio Paulo Campana Filho | J.P2.168, R.OR6.21, R.P3.183 |
| Sávio José Zaccaro | A.P1.12, F.P1.20, N.P1.42 | Sergio P. Marcondes | C.P1.26 |
| S B Roy | C.OR6.19 | Sergio Renato da Silva Soares | D.P1.20 |
| | | Sergio Ricardo de Lazaro | I.P1.12, N.P1.14, N.P1.33, N.P1.34, N.P1.54, N.P1.64, P.P1.14, P.P1.16 |
| | | Sérgio R. Muniz | M.OR5.13 |

| | | | |
|------------------------------------|---|------------------------------------|--|
| Sergio Rodrigues Tavares | H.OR4.16, H.P1.1, H.P1.21, H.P1.5, H.P1.6, H.P1.9, N.OR3.13 | Silvia Guterres | Q.OR1.1 |
| Sérgio Toshio Fujiwara | J.P2.129, J.P2.91 | Silvia Jaeger | A.P1.35 |
| Sérgio Tuan Renosto | C.P1.6 | Silvia Janietz | O.OR3.7 |
| Severino L. Urtiga Filho | K.OR3.9 | Silvia Leticia Fernandes | O.OR4.17 |
| Shalendra Kumar | C.OR3.8, C.P1.3, C.P1.4, C.P1.5 | Silvia Oishi | R.P2.57 |
| Sharon Jose | S.OR1.1 | Silvio Buchner | D.OR4.8, D.P1.23 |
| Shena Rafaela Rebouças Padilha | J.P1.72 | Silvio de Barros | I.OR4.20, I.P1.24, J.P2.118, K.P1.21 |
| Sherdil Khan | O.P1.50 | Silvio Rainho Teixeira | A.P1.43, E.P1.21, E.P1.43, F.P1.2, O.P1.61 |
| Sheyla Maria de Castro | S.P1.1 | Simone Araújo Vieira | M.P1.23 |
| Máximo Bicalho | | Simone da Silva Simões | J.P2.127, J.P2.162 |
| Shiguelo Watanabe | D.P1.9, G.P1.7 | Simone de Fátima Medeiros | R.P3.144, R.P3.147 |
| shirley Leite dos Reis | E.P1.18 | Simone Dos Santos | V.P1.29 |
| Shudong Wang | H.OR4.14 | Bittencourt | |
| Shu Hui Wang | A.P2.124, L.P2.67, L.P2.68, O.P1.31, R.OR3.10, R.OR6.20 | Simone Ramos de Castro | R.P2.128, R.P2.129 |
| Shyam Sundar | C.OR6.19 | Simone Souza Pinto | A.P1.26 |
| Sibele Piedade Cestari | V.OR2.8 | Simone VENTURIM Bernardino | L.P2.126 |
| Sidnei Antonio Pianaro | J.OR4.17 | Simon Oyarzun | C.OR4.13 |
| Sidnei GUERREIRO da Silva | J.P1.3 | Sinara Borborema Gabriel | K.P1.5 |
| Sidnei Ramis Araujo | N.OR3.9, N.OR4.16 | Sinval Braz Silva Filho | P.P2.62 |
| Sidney Alves Lourenço | L.P1.57, L.P2.87, L.P2.98, N.P1.25, N.P1.47 | Sirlene Maria da Costa | R.P2.67 |
| Sidney J.L. Ribeiro | J.P2.137, J.P2.168, M.OR6.21 | sivakumar gangala | O.P1.13 |
| Sidney José Lima Ribeiro | B.OR3.9, D.P1.10, P.P2.81 | Siziwe Gqoba | L.OR7.28 |
| Sidney Nicodemos da Silva | R.OR9.34, S.P1.7 | Sjoerd Hoogland | M.P1.16 |
| Signo Thadeus Reis | E.OR4.12 | Sofia Afonso Alves | R.OR7.26 |
| Silésia de Fátima Curcino da Silva | L.P1.36, L.P1.56 | Sofia Oliveira Parreiras | A.OR6.25 |
| Silesia de Fatima Cursino da Silva | B46E | Sonia Licia Baldochi | E.P1.54 |
| Silgia Aparecida Costa | R.P2.67 | Sonia Maria Alves Bueno | R.P3.182 |
| Silke Paschen | D.OR4.10 | Sonia Maria Zanetti | E.OR6.21 |
| Silma Alberton Corrêa | I.OR4.16 | Sonia Patricia Brühl | J.P1.16 |
| Silmara Furtado da Silva | V.P1.44 | Sonia Regina Biaggio | P.P1.22 |
| Silmar Antonio Travain | L.P1.33 | Sônia Regina Sales Barbosa | S.P1.22 |
| Silvana Garcia Viana | V.P1.26 | Sônia Simões | A.P1.61 |
| Silvania Lanfredi | A.P2.101, E.P1.7 | Sophie Ollivier | J.P2.122 |
| Silvano Leal Santos | K.P2.78 | Sorach P. Vidal | E.OR6.19 |
| Silvelene Alessandra Silva | J.P1.41, J.P2.133 | S. Quezado | C.OR6.23 |
| Silvério Ferreira da Silva Filho | J.P2.158 | Stanislav Moshkalev | A.OR9.31, A.P1.52, A.P2.123, C.OR5.15 |
| Silvia Azevedo dos Santos | J.P1.34 | Stanley E. R. Bilatto | L.P1.22 |
| Cucatti | | Stefano Gottardi | B2DY |
| Silvia Denofre De Campos | S.P1.14 | Steferson Luiz Stares | R.P1.9 |
| | | Steffany Rincon Peters | K.P1.35 |
| | | Stella Andreolli Mira de Assumpção | K.P2.106 |
| | | Stelvio Tonello | Q.P1.17 |
| | | Stephania Capellari De Rezende | K.P1.40 |
| | | Stéphanie Blanchandin | K.OR4.19 |
| | | Stéphanie Députier | J.P2.122 |
| | | Stephanie Goulart Dáquina | O.P1.32 |

| | | | |
|--------------------------------------|--|--------------------------------------|---|
| TELMO MACEDO ANDRADE | R.P2.107 | Thiago Domingues Stocco | R.P1.43 |
| Telmo Macedo de Andrade | R.P2.107 | Thiago Duque Estrada da Silva Santos | D.P1.18 |
| Teodorico Castro Ramalho | N.OR3.10 | Thiago Eduardo Pereira Alves | C.P1.15, C.P1.16, C.P1.38 |
| Teresa Dib Zambon Atvars | L.OR5.17, L.P2.129 | Thiago Ferreira da Conceição | J.P1.11 |
| Tereza da Silva Martins | A.P1.48 | Thiago Ferreira Gomes | O.P1.62 |
| Tereza Inês Rodrigues Souza | I.P1.20 | Thiago Gomes da Silva | F.P1.43 |
| Tereza Silva Martins | A.P2.146 | Thiago Henrique Rosales Marques | M.P1.5 |
| Terezinha Feitosa Machado | F.P1.59 | Thiago José de Almeida Mori | C.P1.23, C.P1.66, C.P1.68, J.P1.24, J.P2.95 |
| Tewodros Asefa | R.P1.2 | Thiago Martins Amaral | E.P1.31 |
| Thaianne Esquierdo Silva | J.P2.165 | Thiago Nunes Palhares | R.P2.108 |
| Thainá Kelly Silva | S.P1.20 | Thiago Sequinel | D.P1.11, D.P1.8 |
| Thairine Silva Araújo | F.P1.28, F.P1.61 | Thiago Soares | K.P1.39 |
| Thaís Ayumi Fukuda Cursino | Q.P1.2 | Thiago Soares Lima | K.OR3.14, K.P1.10, K.P1.29 |
| Thais Braga Vieira | A.P1.3 | Thiago Soares Ribeiro | O.P1.9 |
| Thaís Chagas Peixoto Silva | I.OR1.2 | Thiago Souza Lamim | I.P1.28 |
| Thais Cheminski | A.P2.137 | Thomas Golin Almeida | A.P2.134 |
| Thaise Almeida Silva | A.P2.103, A.P2.104 | Thomas Jun Obara | K.OR3.12 |
| Thais Ferreira da Silva | B.OR3.5 | Thomas Stempel Pereira | EXP1.2 |
| Thais Marques | J.P1.51 | Thomaz Augusto Guisard Restivo | P.P1.4 |
| Thaís Matiello Gonçalves | J.P1.30, R.P2.123 | Thomaz Cabral Rangel | J.OR3.7 |
| Thais Milagres Oliveira | F.P1.26 | Thompson Júnior Ávila Reis | K.P1.55 |
| Thalappil Pradeep | A.OR3.10 | Thuany Garcia Maraschin | A.P1.27 |
| Thalita Antoniassi Canassa | L.P2.101 | Thuany Maraschin | A.P2.112 |
| Thalita Centofanti | N.P1.51 | Tiago Albertini Albino | R.P3.167 |
| Thalita Chiaramonte | F.P1.62 | Tiago Almeida | A.P2.139 |
| Thalita Pereira da Silva | V.P1.23 | Tiago Antônio Lima | A.P1.67 |
| Thamires Andrade Lima | D.P1.6 | Tiago Araujo Matias | P.OR3.9 |
| Thatyane Morimoto Nobre | R.P3.138, R.P3.165 | Tiago Botari | A.OR9.33 |
| Thayana Furtado Teixeira | A.P1.14, R.P2.86 | Tiago Branco Becher | R.OR6.18, R.P1.37, R.P2.111 |
| Thaylice Cristina Sampaio Cabral | R.P1.32 | Tiago Carneiro Gomes | E.P1.43 |
| Thayllan Teixeira Bezerra | R.P1.45, R.P1.47 | Tiago Cesar Gimenes | F.P1.63 |
| Thaynara Pinto de Lima | C.P1.5 | Tiago Elias Allievi Frizon | L.P2.125, P.P2.95, R.P1.28 |
| Thaysa R. M. Ferreira | J.P2.107 | Tiago F.A. Santos | K.OR3.9 |
| Thays França Naves | R.P2.83, R.P3.167 | Tiago Fiorini da Silva | F.OR4.12, J.P1.81, N.P1.21 |
| Thayz Ferreira Lima Morais | R.P2.99 | Tiago Hilário Ferreira | R.P1.18, R.P1.32, R.P2.69 |
| Theo Guenter Kieckbusch | S.P1.5 | Tiago José Oliveira | O.OR4.13 |
| Thiago André Salgueiro Soares | P.P1.46, S.P1.20 | Tiago Moreira Bastos Campos | J.P1.58, J.P1.62 |
| Thiago Antônio Paixão de Souza Costa | K.OR3.13, K.OR3.14, K.P1.10, K.P1.28, K.P1.39, K.P2.82 | Tiago Pedroso de Almeida | N.P1.23 |
| Thiago Bezerra Taketa | I.P1.4, R.OR6.21, R.P3.160, R.P3.183 | Tiago Rodrigues | Q.P1.3, Q.P1.6, Q.P1.7, T.P1.1 |
| Thiago Castro Rozada | P.P1.14, P.P1.16 | Tiago Schiller dos Reis | R.P3.174 |
| Thiago Cazati | L.OR7.26, L.P1.47 | Tiago Serodre | A.P2.128 |
| Thiago Chellapa | I.P1.34 | | |
| thiago costa | K.P2.122 | | |
| Thiago de Lourenço e Vasconcelos | F.P1.26 | | |
| Thiago do Carmo Rufino | J.OR3.13 | | |

| | | | |
|-----------------------------------|------------------------------------|-------------------------------|-------------------------------------|
| Tito Jose Bonagamba | I.P1.35, I.P1.36 | Valesca Donizeti de Oliveira | E.P1.14, E.P1.50, K.P2.81 |
| Tobias U. Schulli | N.OR4.15 | Valesca Donizeti Oliveira | C.P1.40 |
| Tobias Wecker | N.P1.50 | Valker Araujo Feitosa | H.P1.4 |
| Tolou Shokuhfar | R.OR7.26 | Valmir Antonio Chitta | C.P1.57, C.P1.58 |
| Tomas Calmeiro | B.P1.19 | Valmir Fadel | I.P1.16 |
| Tomas Edvinsson | P.OR1.1 | Valmir Jacinto Silva | J.OR2.6 |
| Tomas Fiorido | E.OR2.5 | Valmor Roberto Mastelaro | E.OR2.4, E.P1.15, N.OR2.5 |
| Tomaz Toshimi Ishikawa | P.P1.8 | Valquiria Cruz Rodrigues | J.P2.168, L.P1.5, L.P1.7, L.P1.8 |
| Tomé Mauro Schmidt | A.OR3.6, A.P2.122, H.P1.18 | Valquiria Fernanda Lima | M.P1.38 |
| Tom Henning Johansen | C.P1.27 | Valter Bezerra Dantas Dantas | I.P1.34 |
| Tongqing Yang | P.P2.83 | Vananelia Pereira Nunes | R.P1.48 |
| Tonilson de Souza Rosendo | K.OR2.4 | Geraldo | |
| Tuanan da Costa Lourenço | H.P1.23, H.P1.24 | Vander Alkmin dos Santos | E.P1.14, E.P1.50, K.P2.81 |
| Tuan Anh Pham | B2DY | Ribeiro | K.P2.81 |
| Tulio Rocha | I.OR3.8, P.OR6.16 | Vander Alkmin Ribeiro Santos | K.P2.64 |
| U | | | |
| Uanderson Mezavila Garcia | J.P1.67 | Vanderlei Roncato | J.P2.102 |
| Ubirajara Pereira Rodrigues Filho | D.P1.10, F.P1.52, J.P1.82, R.P1.27 | Vanessa Barcellos | S.P1.25 |
| Uesley A. Stival | L.P1.48 | Vanessa Bolzan Rodrigues | B.OR3.7, B.P1.26 |
| Ueverson Barros Lima | A.OR9.31, A.P2.123 | Vanessa Cadan Scheffer | H.P1.32 |
| UILIAN GABALDI | A.P2.92 | Vanessa Cristina da Costa | D.P1.17 |
| YONEZAWA | | Oliveira | |
| Ulisses Ferreira Kaneko | B6YF, C.P1.61 | Vanessa Delfino Kegler | M.P1.20 |
| Ulisses Saraiva de Oliveira | I.P1.3 | Vanessa de Oliveira Arnoldi | P.P2.70 |
| Ury Denver Chacón Hernandez | J.P2.139 | Pellegrini | |
| Uwe Ritter | O.OR3.9 | Vanessa Duarte Del Cacho | V.P1.40, V.P1.48 |
| V | | | |
| Vagner Eustáquio de Carvalho | F.P1.26 | Vanessa Luz e Calil | B.OR3.9 |
| Vagner Zeizer Carvalho Paes | F.P1.47 | Vanessa Maria Yae do Rosário | D.P1.17 |
| Valber Albuquerque Pedrosa | J.P1.23 | Taketa | |
| Valberto Pedruzzi Nascimento | K.P2.120 | Vanessa Orsi Gordo | J.P2.110, N.P1.16 |
| Valdeci Paula Alvarenga | K.P2.61 | Vanessa Piroli | J.P1.57 |
| Valdecir Farias Ximenes | R.P3.130 | Vanessa PREVOT | J.P2.90 |
| Valdemir Ludwig | F.P1.12, F.P1.13 | Vanessa Priscila Scagion | B.P1.12 |
| Valderi Duarte Leite | J.P2.127, J.P2.152, J.P2.162 | Vanessa Salgado | J.P1.44 |
| Valdirene Gonzaga de Resende | A.P2.128 | Vanessa Souza Santos | A.P1.6 |
| Valentina Martelli | D.OR4.10 | Vanessa Tiemi Kimura | R.OR3.10, R.OR6.20 |
| Valéria Pereira Ferreira | R.P1.26, S.P1.10 | Vanessa Yumi Sakai | R.P3.136 |
| Valeria Spolon Marangoni | Q.OR3.8, Q.P1.22, R.P1.44 | Vânia Caldas de Sousa | D.P1.22, E.OR3.6 |
| Valérie Bouquet | J.OR4.16, J.P2.122 | Vania Emerich Bucco de Campos | R.P2.52, R.P3.140 |
| Valérie Briois | K.OR4.19 | Vania Rodrigues Leite-Silva | A.P1.48 |
| | | Vânia Duarte Pasa | B.P1.37, B.P1.9 |
| | | Varlei Rodrigues | K.OR4.18, L.OR2.5, L.P2.80, N.P1.23 |
| | | Vera Dias da Silva | V.P1.28 |
| | | Vera Katic | O.P1.54 |
| | | Vera Lúcia Arantes | P.P2.84 |
| | | Vera Lúcia Dias da Silva | V.P1.46 |
| | | Vera Lúcia Othéro de Brito | E.P1.4, F.P1.4 |

| | | | |
|-------------------------------------|--|--------------------------------------|--|
| Vera Lúcia Scherholz Salgado Castro | Q.OR2.4, Q.P1.10, Q.P1.14, Q.P1.16, Q.P1.9 | Vinícius Gomide Castro | A.P1.28 |
| Vera Regina Leopoldo Constantino | H.P1.26, R.P3.136 | Vinicius Grassi | IN.3 |
| Verena Mandorino Kaminagakura | J.P2.92 | Vinicius Guilherme Celante | I.P1.23, J.P1.13, P.P1.10, P.P1.11, R.OR5.17, V.P1.7 |
| Verona Biancardi Oliveira | J.P1.3 | Vinicius Jessé Rodrigues de Oliveira | L.P2.120 |
| Veronica de Carvalho Teixeira | F.P1.64 | Vinicius Lago Pimentel | L.P2.66 |
| Veronica Muniz Couto | R.P2.129 | Vinicius Litrenta Medeiros | B4GN, R.P1.29 |
| Vicente Amigó Borrás | J.P1.21 | Vinicius Roberto de Sylos Cassimiro | P.OR6.21 |
| Vicente Galber Freitas Viana | L.P2.84 | Vinicius Sara Cardoso | Q.P1.20 |
| Vicente Gomes Oliveira | R.P2.76 | Vinicius Sousa | P.P2.88 |
| Victor Buratto Tinti | E.P1.39 | Vinícius Teodoro | A.OR9.38, A.P2.81, A.P2.86, A.P2.87, J.P2.119 |
| Victor Ciro Solano Reynoso | E.P1.24, N.P1.38, N.P1.46 | Vinie Abreu Christino | R.P2.118 |
| Victor Ermakov | M.OR6.20, O.P1.29, O.P1.45 | Virgílio de Carvalho dos Anjos | F.P1.12, M.P1.17 |
| Victor Ferrinho Pereira | K.P2.118 | Virgílio Pereira Ricci | R.P2.58 |
| Victor Hugo De Oliveira | F.P1.12, F.P1.13 | Virginia da Conceição Amaro Martins | R.P2.99 |
| Victor Hugo Rodrigues de Souza | L.P2.85 | Vitaliy Bilovol | D.P1.24 |
| Victor Hugo Vitorino Sarmiento | C.P1.47 | Vitaly V. Chaban | H.P1.28 |
| Victória da Costa Marba | R.P1.3 | Vitor Bianchin Pelegati | L.P2.127 |
| Victoria Oliva Dos Reis | B2VE | Vitor Cezar Broetto Pegoretti | P.P1.10, P.P1.19, P.P1.22, V.P1.7 |
| Victor Leibnitz Hipólito | V.P1.10 | Vitor Hugo Paschoal | D.P1.6 |
| Victor Manuel Prida | C.OR3.9, C.P1.52 | Vitoria Marques Cesar Leite | R.P3.137 |
| Victor Massaru Onoda | R.P2.105 | Vitor Pires Martinez | F.P1.52 |
| Victor M. Cardoso | J.OR2.6 | Vitor Rafael Coluci | H.OR3.12, H.P1.32, Q.OR2.5 |
| Victor Melles | L.P1.40 | Vitor Ribeiro | J.P2.133 |
| Victor M Fuenzalida | A.OR4.15 | Vitor Santos Ramos | J.P1.51, R.P3.148 |
| Victor Pederzini | O.P1.17 | Vitor Toniato Campana | K.P2.62 |
| Victor Puntos | C.OR3.6 | Vitor Toshiyuki Abrão Oiko | K.OR4.18 |
| Victor Raúl Jauja Ccana | R.OR9.32 | Viviane Aparecida Guilherme | R.P2.128, R.P2.129 |
| Victor Teixeira Noronha | F.P1.59 | Viviane da Silva Vaiss | H.OR1.3, H.P1.1, H.P1.21, H.P1.3 |
| Víctor Vega | C.OR3.9, C.P1.52 | Viviane G.A. Pires | A.P1.38 |
| Vida Engmann | O.OR3.9 | Viviane Gomes Pereira Ribeiro | R.P3.178 |
| Vidiany Aparecida Queiroz Santos | J.P1.77 | Viviane Jandira Van Haandel | J.P2.129, J.P2.91 |
| Vincent Vivier | I.P1.31 | Viviane Maciel Almeida | C.P1.57 |
| Vincenzo Esposito | E.P1.35, E.P1.38 | Viviane Nogueira Hamanaka | L.P2.66 |
| Vinicius Cardilo Alves | K.P1.27 | Viviane Santos Pereira | P.P1.41 |
| Vinícius da Silva Lima | F.P1.14 | Viviane Stoeberl | I.OR3.13 |
| Vinicius de Oliveira Splugues | A.OR3.9, I.OR2.5 | Viviane Vivas | F.P1.67 |
| Vinícius D.N. Bezzon | D.P1.11, D.P1.8, E.OR6.18, E.P1.52 | Vivian Faria Machuca | O.P1.4 |
| Vinicius Duarte Jesus | E.P1.43 | Vivian Farias de Lima | J.P1.31 |
| Vinícius Faulin | J.P2.154 | Vivian Saez Martínez | R.P2.52, R.P3.139, R.P3.140 |
| Vinicius Ferrari | J.P2.89 | | |
| Vinícius Gabriel Antunes | F.OR3.10 | | |
| Vinícius Gomes de Paula | D.P1.30, P.P1.1, P.P1.3 | | |

| | |
|-------------------------------|----------------------------|
| Wing Chung Tsoi | L.OR2.6 |
| Wirland Matheus de Melo Costa | E.P1.19, V.OR2.6 |
| Wislei Riuper Ramos Osorio | K.P2.124 |
| Wyllamanney da Silva Pereira | F.P1.68, J.P2.167, P.P2.77 |

| | |
|-----------------------------|---------------------------|
| Z. E. Fabrim | F.OR4.11 |
| Zélia Maria Da Costa Ludwig | F.P1.12, F.P1.13, V.P1.25 |
| Zeus Sales Moreira | L.P1.55 |
| Zhe Li | L.OR2.6 |
| Zhenyu Yang | M.OR4.9 |
| Zhi Li | C.OR3.6 |
| zubair ahmed | L.OR7.27 |

X

| | |
|--------------------------|------------------|
| Xavier Gratens | C.P1.57, C.P1.58 |
| Xavier Maeder | C.OR5.15 |
| Ximena Elizabeth Puentes | T.P1.2 |
| Xiucan Wang | P.P2.83 |
| Xiuting Liu | M.OR3.7 |

Y

| | |
|-------------------------------|------------------------------------|
| Yakov Kopelevich | C.OR6.16 |
| Yamê Cavalcanti Bezerra | P.P1.46 |
| Yanela Méndez González | P.P2.83 |
| Yara Galvão Gobato | J.P2.110, N.P1.16, O.P1.23 |
| Yara Sena Pereira | P.P1.7 |
| Yasmim Rafaella Caixeta Pinto | J.P1.70 |
| Yasmin Montero Quispe | R.P2.109 |
| Yendry Corrales Urena | R.OR7.25 |
| Yesid Montoya | H.P1.8 |
| Ygor Morais Jaques | H.P1.40 |
| Yina Faizully Quintero | K.P1.51 |
| Yina Julieth Onofre Ramirez | N.P1.56 |
| Ylich Peter Schmitt | K.P1.12 |
| Yoan Léger | O.P1.23 |
| Yone Vidotto França | E.P1.20 |
| Y. T. Xing | C.P1.22, F.P1.40, F.P1.65, J.P1.48 |
| Yucheng Zhang | C.OR5.15 |
| Yujiro Tazawa | M.OR3.7 |
| Yuri Pussep | N.P1.31, P.P2.82 |
| Yuri Sato Sophia | A.P2.124 |
| Yuset Guerra Dávila | C.P1.28, C.P1.29, H.P1.29, H.P1.35 |
| Yusuke Tsutsumi | R.OR9.33 |
| Yutao Xing | C.P1.45, C.P1.53 |

Z

| | |
|---------------------|-----------------------------------|
| Zahid Ullah Khan | C.OR3.8, C.P1.42 |
| Zaira Clemente | Q.OR2.4, Q.P1.14, Q.P1.16, Q.P1.9 |
| Zeane Vieira Borges | F.P1.35, F.P1.45 |

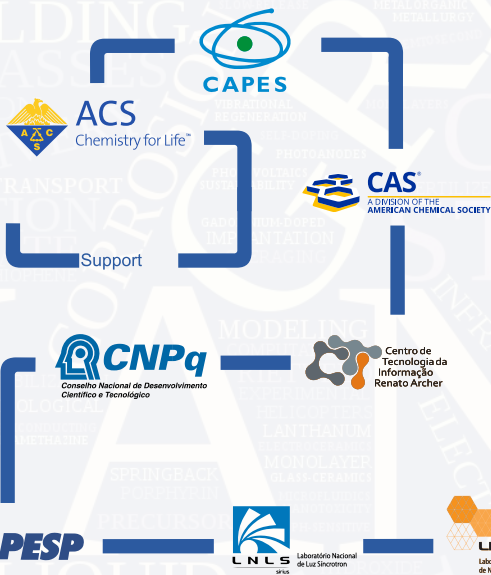


PRP

pró-reitoria de pesquisa
unicamp

SBPMat

Brazil-MRS



Research in
Germany
Land of Ideas



Sponsorship - Gold



Agilent Technologies



Leading With Innovation



Instrutécnica

Sponsorship - Silver



O MELHOR RESULTADO

analitica



Scientific Instruments



Anton Paar

ANALOG-LAB



HORIBA



IOP Publishing



BRAUN



JEOL



The Business of Science®



América do Sul

RENISHAW

apply innovation™



TESCAN DO BRASIL



tech scientific



Sibratec NANO



thermo scientific



LiveoTerm

HYDROTHERMAL STRUCTURAL
ELECTROSPINNING
MULTIFERROICS SUPERCONDUCTIVITY
NANOSTRUCTURES
LITHIUM-ION PHOTOVOLTAIC
SYNCHROTRON
SOLIDIFICATION
ORGANIC-INORGANIC