



Ceramizing the Future for a Sustainable Society
June 17-21, 2018 - Foz do Iguaçu - PR - Brazil

ICC7

7th International Congress on Ceramics
& 62 Congresso Brasileiro de Cerâmica

Final Program

The content of this ebook reflects information received and processed by June 21, 2018. All participants are encouraged to use the congress app which is updated in “real time”.



Support



Organizing Brazilian Ceramic Society



On behalf International Ceramic Federation



Secretariat





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Organizing Committee

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University of São Paulo (Polytechnic School)

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Federal University of ABC

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Federal University of São Carlos (Materials Engineering Department)

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Institute for Nuclear and Energy Research - IPEN

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Institute for Nuclear and Energy Research - IPEN

Ulisses Soares do Prado
Lining Representação, Consultoria e Projetos

Victor Carlos Pandolfelli*
Federal University of São Carlos (Materials Engineering Department)

Wilson Acchar
Federal University of Rio Grande do Norte

* WAC members



GENERAL INFORMATION

VENUE

ICC7 will be held in Recanto Cataratas Thermas Resort & Convention in Foz do Iguaçu – Brazil. Address: Av. Costa e Silva, 3500 - Parque Pres. I, Foz do Iguaçu – PR Phone: +55 (45) 2102-3000

LANGUAGE

English is the official language of the Congress.

REGISTRATION DESK

Bring ID to collect registration materials on your first day at the congress. We strongly encourage you to collect your registration materials on June 17 so that you are all set to attend the Opening Ceremonies on June 7:00 p.m. The Registration Desk will open from 3:00 p.m. to 7:00 p.m. on June 17, and from 8:00a.m. to 7:00p.m. on the other days.

PUBLIC NOTICE - SMOKING

In Brazil, smoking is not allowed in any public buildings including restaurants and terraces. Smoking is allowed outside of the building doors.

IDENTIFICATION BADGE

Participants are kindly requested to wear their personal name badge during all ICC7 events.

WIRELESS INTERNET

Wireless Internet is available and can be accessed anywhere in the convention center.

COFFEE BREAKS

Coffee-breaks will be available from 4:00 p.m. to 4:30 p.m. (June 18, 19 and 20) in front of Sonata Room. Light coffee-breaks will also be available from 10:30 a.m. to 10:50 a.m. (June 18, 19, 20 and 21) at the same location.

CERTIFICATE OF ATTENDANCE AND PRESENTATION

A personalized Certificate of Attendance will be on the ICC7 webpage after the conference. A printed Certificate of Presentation will be given at the end of the presentation

POSTER SESSIONS

There is a poster session in front of Sonata room. The poster session provides an alternative to the usual way of presentations, encouraging one-on-one communication between the presenter and the audience. The Organisers encourage you to spend some time near your Poster during this Session. Maximum poster size allowed at ICC7 is: height of 120 cm and maximum width of 90cm.

Important: Each board to affix the poster will have an identification number. Abstract identification number will correspond to that on the poster board. The author should display his/her poster on the correct poster board. The poster should be, preferable, fixed from 08:00 a. m. to 08:30 a. m. at the same presentation day. Please, remove your poster after the ending of session (7:00 p. m.). During ICC7 it is not possible to change poster presentations.

ORAL SESSIONS

All presentations will be in English. Please, bring your .pdf or Power Point™ compatible file(s) of your presentation in a USB memory stick (pen drive). Alternatively, you can also use your own PC. In the day before your presentation, please, go to your presentation room between 5:30 p. m. to 7:00 p. m. to upload your file(s).

Oral presentation rooms will be equipped with the following items: 1 PC (Windows 10), 1 video projector and 1 LASER pointer.

OFFICIAL PICTURE

The official picture will be on June 18 at 12:30 p.m.

LUNCHES

Lunches will be served from June 18 to 20, at Bromélia Restaurant. These lunches are included in the full registration fees and delegates will be provided DAILY LUNCH TICKETS when picking up their badges.



SOCIAL PROGRAM

WELCOME RECEPTION

The welcome reception will be in June 17, at 8:00 p.m., in front of Sonata room, after opening ceremony. This reception is included in the full registration fees.

CONFRATERNIZATION DINNER

On June the 20th (at 8 p.m.) there will be a confraternization dinner (optional) at *Rafain Churrascaria Show*. It will cost 147.00 BRL per person. It is included: dinner; show, transportation and bar (water, soda, juice, beer and caipirinha). It will last from 2½ to 3 hours..

Reservation must be done at the event website till *June 11th*. This is the due date for reservation and payment (invoice ticket or credit card). After this date, please check with the organization for available places through the e-mail: cbc@metallum.com.br. **Tickets must be taken at the event's reception, in Foz do Iguaçu, from June 17th.**

dress code: business casual



SCIENTIFIC PROGRAM

OFFICIAL OPENING SESSION

The ceremony will be held on June the 17th, 2018, at 7 P.M., in Sonata room at the event venue: Recanto Cataratas Thermas Resort & Convention in Foz do Iguaçu – Brazil. Address: Av. Costa e Silva, 3500 - Parque Pres. I, Foz do Iguaçu – PR

TECHNICAL ACTIVITIES WILL BE HAPPENING AS FOLLOWING:

- on the 18, 19 and 20 from 8:30 a.m. to 7 p.m.
- on the 21 from 8:30 a.m. to 1 p.m.

CLOSING REMARKS

June 21 – 12:30 p.m.

PLENARY SPEAKER



ANDRÉ R. STUDART
ETH Zurich Switzerland

Associate Professor for Complex Materials at ETH Zurich, Switzerland. He obtained his BSc and PhD degrees in Materials Science and Engineering from the Federal University of São Carlos, Brazil. Before his faculty appointment, André worked as post-doctoral fellow at ETH Zurich and Harvard University. He is currently Director of the ETH Zurich Competence Centre for Materials and Processes. Research in his group covers a wide range of interdisciplinary topics, including soft matter, bioinspired materials, microfluidics, additive manufacturing and functional materials.

Plenary talk

Ceramics inspired by nature

Bioinspired ceramics featuring remarkable properties and functionalities have been successfully created by combining biological design principles with advanced manufacturing technologies. Using for example design principles encoded in the structure of mollusk shells, colloidal assembly approaches have led to bioinspired ceramics whose stiffness and toughness exceed the limits expected from the constituent brittle building blocks. In this talk, I will present some of the manufacturing technologies that have been historically developed to fabricate biologically-inspired tough structural materials and how such bioinspired architectures have now been used as model systems to better understand the toughening mechanisms responsible for the unique fracture resistance of shells. Experiments and theory have shown that highly aligned inorganic platelets connected by an optimal density of mineral bridges are crucial to enhance the toughness of shell- inspired architectures without compromising their high elastic modulus and strength. Beyond mechanical properties, I will also show how advanced colloidal processing can also be used to create ceramics that self-shape into intricate geometries during sintering, following the design principles of plant seedpods. Exploiting the similarities and differences between bioinspired artificial architectures and biological materials opens exciting opportunities to design and fabricate synthetic ceramics with unprecedented properties and to shed new light into the design strategies that emerged from the evolution of structural materials in Nature.



MASAHIRO YOSHIMURA

Distinguished Chair Professor, Dept of Mater.,Sci. and Eng., National Cheng Kung University, Tainan, Taiwan

was graduated for B.S. at 1965, M.S. at 1967 and D. Sc. in Engineering at 1970 from Tokyo Institute of Technology, Japan. Then 1970, Research Assoc., 1978 Assoc. Prof., 1985 Full Prof. in Materials and Structures Laboratory, Tokyo Institute of Technology. During those periods, 1973-1975 Post Doc. in 3 CNRS Labs. (Odeillo, Orleans and Paris) in France, and 1975-1977 in Mass. Inst. Tech., USA. He was the Director of Center for Materials Design for 1996-2002. He retired at 2008, Professor Emeritus, from Tokyo Institute of Technology. After experienced several Visiting/Guest Profs. in Tohoku Univ., Japan, Univ. Limerick, Ireland, ETH Zurich, Switzerland, Inst. Metal. Res., CAS, Shenyang, China, etc. he has been in National Cheng Kung Univ., Taiwan since Feb. 2010 as a Visiting Chair Prof. then now Distinguished Chair Prof. and Director of Promotion Center for Global Materials Research, NCKU, since July 2011. He received, Academic Award (1993) from The Ceramic Soc. Japan, 10th Fulrath Pacific Award (1987) and Fellow (1995) from The Amer. Ceram. Soc., International Award (2001) from European Ceramic Soc., IUMRS Somiya Award for International Collaborative Work, IUMRS (2002), Honorary Members in MRS –India (2003), Research Award, Ministry of Education, Culture & Science, Japan (2007), Lee Hsun Award, Institute of Metal Research, CAS, Shenyang, China (2008) and Honorable Permanent Resident Visa, Taiwan (2012), Honorary Fellow of European Ceramic Society (2017), Distinguished Life Member from Amer. Ceram. Soc. (2017). etc. He is nominated from Thomson-Reuter as ISI Highly-Cited Researcher (2001). Now he has >730 peer-reviewed Papers, 84 Reviews, 4 Books (47 Book Chapters) & >30 Patents, and >18,000 International Citations with h-index >68, in Google Scholars: >28,700 Citations with h-index= 78. He has served as 19 Organizing Chairs, i.e IUMRS-ICA, Chiba, 1997, IUMRS-ICAM, Yokohama, 2003, and International Conference in Hydrothermal Reactions, Sendai, 2006, 6th ISHA, 2016, Tainan, Taiwan. Mater Sci 2017, Valencia, Spain, etc. joined as 64 International Advisory/Organizing Committees, 26 Plenary Lectures, i.e. MS&T, San Francisco (2000), ICMAT, Singapore (2003), Hydrothermal/Solvothermal Symposia, Kochi, Japan (2000) Mysore, India (2004), Sendai, Japan (2006), Nottingham, UK (2008), Beijing, China (2010), 3rd SCESCM, Bali (2016), Materials Science 2016, Dubai and 2017, Valencia, etc. and he gave >220 Invited/Keynote Lectures in International Meetings. He is the Editor in Chief of Mater Sci Letters (Sci Fed), one of Editors in Solid State Science (since 1988), J. Nanomaterials (since 2004), Nano Letters (2002-2005), etc. and Guest Editors in MRS Bull, Oct. 1994 & Sept. 2000, Euro. J. Solid State and Inorg. Chem. 1995, Solid State Ionics, 152/154, 2002, J. Mater. Sci. 2006&2007, etc. He is Founding President (2006-2008), International Solvothermal and Hydrothermal Association (ISHA), President of the Advisory Board (2010-2014), Chairman of the Nomination Committee, 2002, 2004 & 2006 in The World Academy of Ceramics (WAC), An Advisory Officer, IUMRS (Audit Elect 2007-2008, Former President of MRS-Japan). He has cooperated with 24 visiting Professors (12 from abroad), 38 Postdoctoral Researchers, (27 from abroad), 12 visiting Researchers from abroad, Supervised 56 Ph.D (16 foreigners) Students and candidates, >70 Master Students, 30 Research Students during his professorship in Tokyo Institute of Technology. In NCKU many cooperations have been going mostly based upon MOU with global academicians. i.e. Profs. Yury Gogotsi (Drexel Univ., USA), Takayoshi Sasaki (NIMS, Japan), Jin-Ho Choy (Ewha Womans Univ., Korea), K. Byrappa (Mysore Univ., India), Shu-Hong Yu (Univ. Sci. Tech. China, China), C.N.R. Rao (India) with 12 Pos-docs, and 8 professors in NCKU. With their graduate students, then published 20 papers in high IP Journals.

Plenary talk

Why Soft Processing(=Low-Energy Production) of Advanced Materials is Difficult but Necessary for Sustainable Society?

Modern our society has been developed with various advanced materials. Most of advanced materials, Metallurgical materials, Semiconductors, Ceramic materials and Plastics have been used in wide area of applications like structural, mechanical, chemical, electrical, electronic, optical, photonic, biological, medical, etc. Most of them except for bio-polymers & bio-minerals have never been produced via biological systems. Thus they have generally been fabricated artificially and/or industrially by so-called high-technology, where high temperature, high pressure, vacuum, molecule, atom, ion, plasma, etc. have been used for their fabrications, then consumed huge amount of resources and energies thus exhausted huge amounts of wastes: materials, heats and entropy. To save this tragedy, we must consider water-based industries. Considering the lowering of total energy consumption, we have challenged to fabricate those advanced inorganic materials with desired shape/size/location, etc. directly in low energetic routes using aqueous solutions since 1989 when we found a method to fabricate BaTiO₃ film on Ti substrate in a Ba(OH)₂ solution by

Hydrothermal Electrochemical [HEC] method at low temperatures of 60-200 C. We proposed in 1995 an innovative concept and technology, "Soft Processing" or "Soft Solution Processing," which aims low energetic (=environmentally friendly) fabrication of shaped, sized, located, and oriented inorganic materials in/from solutions. It can be regarded as one of bio-inspired processing, green processing, or eco-processing. When we have activated/stimulated interfacial reactions locally and/or moved the reaction point dynamically, we can get patterned ceramic films directly in solution without any firing, masking nor etching. Direct Patterning of CdS, PbS and CaWO₄ on papers by Ink-Jet Reaction method. Furthermore, we have succeeded to fabricate BaTiO₃ patterns on Ti by a laser beam scanning and carbon patterns on Si by plasma using a needle electrode scanning directly in solutions. Successes in TiO₂ and CeO₂ patterns by Ink-Jet Deposition, where nano-particles are nucleated and grown successively on the surface of substrate thus become dense even below 300° C will be presented. Nano-structured films will be also talked. A recent novel subject, Soft Processing for various nano-carbons including Graphene and functionalized Graphene, will be introduced. Where we have succeeded to prepare functionalized Graphene Ink via successive processes under ambient temperature and pressure conditions.



MIKE MURRAY

Chief Technology Officer Morgan Advanced Materials United Kingdom

Is the chief technology officer for Morgan Advanced Materials plc, where he has worked in a variety of roles for the last 22 years. Morgan is a c£1 bn business delivering differentiated advanced materials technologies (including ceramics, carbon, and polymeric composites) to a range of attractive growth markets. Key market sectors include petrochemical/industrial, transportation, security and defence, energy, healthcare and electronics. Murray is a materials science engineer by training, with his Ph.D. in ceramic engineering, with both degrees obtained at the University of Birmingham in the UK. He is currently the chairman of the government funded KTN (Knowledge Transfer Network) Powders Advisory Board and also sits on the Materials Sector Board to advise the UK Technology Strategy Board. In the past he has been chairman of both BSI and CEN international standards committees for advanced ceramics and has worked as a member of BSI and ASTM in development of medical device standards and was the UK delegate at ISO TC 150. As a member of the EPSRC (Engineering and Physical Sciences Research Council) peer review panel, he is critically assessing the funding priorities of science in the UK and recommending research priorities to government. Having published over 25 papers in peer-reviewed journals and conference proceedings; he is regularly an invited keynote or plenary speaker for international meetings and a delegate on UK trade missions.

Plenary talk

Materiomics and emerging manufacturing technologies for sustainable development

Materiomics is defined as the holistic study of material systems. Materials science in itself is one of the most interdisciplinary subjects within science today and the links between physiochemical material properties and material characteristics and function are of continual focus today, and still drive many research efforts. The focus of materiomics is the interconnectivity of material functionality and behaviour; rather than an independent collection of properties. As we strive for the ultimate performance, it is the fundamental understanding of the mechanisms that exist and ultimately the link between processes, structures, and properties at multiple scales, from nano to macro. Only through this systematic approach to understanding the building blocks of materials science can we continue to enhance and drive innovation. Innovation and growth opportunities continue at a pace within the advanced ceramics market place and the performance challenges being pushed to the material limits. We will review that while product innovation and differentiation is always important, interconnected operational and supply chain innovations lead to a more productive and profitable manufacturing company. Creating a company culture that focuses on innovating in all aspects of the business process can have a dramatic impact on the chances of success, but also productivity of the entire supply chain.



EDGAR D. ZANOTTO

Department of Materials Engineering, Center for Research, Technology and Education in Vitreous Materials, Federal University of São Carlos, SP, Brazil

Is a professor of materials science at the Federal University of São Carlos, Brazil, director of the CeRTEV (www.certev.ufscar.br [1]), editor of the Journal of Non-Crystalline Solids, member of the Editorial Board of 6 scientific journals, and president of the scientific council of the Serrapilheira Institute. His work focuses on fundamental and applied research on the crystallization kinetics and properties of glasses and glass-ceramics. Zanotto has published approximately 250 original and review papers, 21 book chapters, 3 books, 5 book prefaces, 20 patents, and advised about 75 theses. He chaired 6 of the most important glass congresses, was a member of the Scientific Advisory Board of more than 50 materials and glass congresses, and delivered more than 300 conference presentations, including approximately 140 invited and 20 plenary talks. He is a member of both Brazilian and São Paulo State Academy of Sciences, National Academy of Engineering, The World Academy of Sciences (TWAS), World Academy of Ceramics, and Fellow of the Soc. Glass Technology, UK, and American Ceramic Society. His 32 awards include some of the most important Brazilian awards: Admiral Alvaro Alberto, Knight (Comendador), and Scientist of the Year - Nanomaterials 2017 - as well as the TWAS Engineering Sciences Award, and 5 of the most important international glass research awards: Zachariassen Award, Gottardi Prize, Morey Award, Turner Lecture and Cooper Lecture.

Plenary talk

Glasses and glass transition for ceramists

Natural glasses have “always” existed, whereas synthetic glasses were created approximately 6,000 years ago and are now omnipresent - and unreplaceable in many cases - in our daily routine. In this talk, we will consider some fundamental questions related to the intrinsic nature of glasses, which are not always clear to ceramicists, such as: what is glass? What is the glass transition? Are glasses solids or liquids? Do glasses flow at room temperature? Can all glasses be crystallized? We will show that glasses are unstable and spontaneously start to relax toward the supercooled liquid state at any temperature above absolute zero. Finally, to end the science part of the talk, we present and explain a modern definition for glasses. To illustrate their realm of applications, we show some novel uses of modern inorganic glasses, such as bioactive glasses, optical fibers, spectacles for colorblind correction, UV and IR-filters and ultra-strong glasses for electronic device displays. We finally show that, after controlled crystallization, specific glasses turn into glass-ceramics -- polycrystalline materials that are related to, but not the same as sintered ceramics. Glass-ceramics exhibit some unusual combinations of properties that make them unique, such as dental applications or transparent, low CTE materials for telescope mirrors and cooktops. The talk is illustrated using videos about the glass transition phenomenon and some unusual mechanical properties. We finish the speech by asking three questions to the participants: How many vitreous materials have already been made? How many can still be produced? How can new glasses be designed? Optimistically the speech and its contents will be educative and fun for ceramists, and even perhaps for glass scientists?



A- Additive manufacturing of ceramics

Powder-, paste- and suspension-based additive manufacturing methods allow a tool-free production of porous and dense ceramic components with a so-far unknown freedom in design. In particular, ceramic single parts and small series of individualized or personalized components, such as patient specific implants and dental restoration but also jewelry and design components and voluminous components such as optical components for lithography and space applications, are currently the focus of additive manufacturing efforts and research. Nevertheless, additive manufacturing methods are also of interest for the production of medium-size series, especially taking into account economic aspects such as resource efficiency and tooling costs.

However, in comparison to polymeric and metallic materials additive manufacturing of ceramic components is still at the beginning of the development. The reason is that additive manufacturing of ceramics is limited by the inherent material properties of the ceramic powders and the sintering behavior of ceramics, respectively. The successful development of additive manufacturing methods for ceramic components will have to meet several challenges in the next years.

This symposium will review the current state of the AM technologies for ceramic processing, with focus on feedstocks, equipment development, design, properties and microstructure of printed parts. The following topics are suggested, but not limited to:

- Design of ceramic components for AM
- Feedstocks for AM
- AM of inorganic polymers (preceramic polymers and geopolymers)
- Advances in AM technologies and Hybrid AM technologies
- Additive Manufacturing of oxide and non-oxide advanced ceramics
- Multi-material AM

Symposium Organizers:

- Chairman: Jens Günster
- Co-chair: Dachamir Hotza

B- Advances in bioceramics

A rapidly evolving area of research in ceramic science and technology concerns the interactions between bioceramic materials and human body. Upon the past half century, the use of bioceramics has revolutionized the treatment of many diseases that primarily affect bone and teeth and has introduced new therapeutic approaches to improve the quality of life of rehabilitated patients. Hydroxyapatite and resorbable calcium phosphates are traditionally employed for repairing osseous defects due to their compositional and crystallographic similarity to biological apatites in bone. Alumina-matrix composites and other "hard" ceramics are excellent biomaterials to fabricate load-bearing prosthetic joint surfaces due to their wear resistance and favourable mechanical properties. Bioactive glasses and glass-ceramics are able to bond both to bone and to soft tissues, thereby opening fascinating scenarios in the field of regenerative medicine. In the last few years, the advent of multifunctional ceramics with smart added values (e.g. drug release, antibacterial properties) has generated considerable interest in the scientific community to cope biomedical challenges and needs of patients.

This symposium will provide an excellent platform for presentation, dissemination and discussion of the most recent and significant results related to design, processing, characterization, commercialization and clinical use of bioceramics. Abstracts on the following

- Hydroxyapatite and resorbable calcium phosphates
- Bioactive glasses and glass-ceramics
- Composites and coatings

- Tissue engineering
- Biosensors
- Scaffolds and biomimetic ceramics
- Processing routes and characterization of bioceramics
- Modelling of bioceramics
- Hierarchical and nanostructured bioceramics
- Bioceramics for drug delivery
- Cell-material interactions, biological and clinical aspects
- Environmental and toxicological issues
- Commercial and regulatory aspects

Symposium Organizers:

- Chair: Dr. Juliana Marchi
- UFABC, Brazil
- Co-chair: Dr. Francesco Baino
- Politecnico di Torino, Italy
- Co-chair: Roger Jagdish Narayan
- NC State University and UNC Chapel Hill, USA

C- Bioinspired ceramics and composites

Living organisms are able to grow mineralized tissues with remarkable multiscale architectures and properties using sustainable processes and building blocks. Design principles underlying the architecture of these biological materials reveal new pathways to produce ceramics and ceramic-based composites with unprecedented properties or that fulfill application needs using environmental-friendly processes and chemistries. This has led to exciting research aimed at better understanding structure-property relationships in natural materials and at devising processing routes that could enable the replication of key biological design principles in synthetic materials. The goal of this symposium is to foster the dialogue between the ceramic community and researchers active in the area of bioinspired materials to discuss further possible avenues that can be pursued in this exciting interdisciplinary field. Abstracts on the following:

- Bioinspired materials and composites
- Multiscale modeling of biological materials
- Processes and products inspired by nature
- 3D Printing and additive manufacturing
- Correlated microscopy and spectroscopic techniques
- Scattering techniques applied to multiscale materials
- Applications of bioinspired materials
- Mechanical properties of bioinspired materials
- Characterisation of natural materials
- Biomineralization

Symposium Organizers:

- Chairman: Prof. Dr. André R. Studart
- ETH Zurich, Switzerland
- Chairman: Prof. Dr. Eduardo Saiz
- Imperial College London, UK
- Chairman: Dr. Rafael Libanori
- ETH Zurich, Switzerland

D- Cements and geopolymers

Materials science has been impacting the technological advance of agriculture and livestock production in different ways. Although the recognized importance (such as metals as agriculture tools), ceramic materials play a fundamental role often neglected, where there are many possible technological gaps to be still solved. Examples include the

preparation of catalytic materials and its supports for the production of fertilizers and agrichemicals; the development of sensing materials to detect gaseous emissions in field; the production of scaffolds and porous matrices for controlled drug delivery (in animal health); among others with high potential to produce technology breakthroughs – and consequently, impacting on the food quality and productivity. These topics demand research in synthesis, including nanoparticles, and device design connected to these final applications. Therefore, this symposium focuses on the recent developments of ceramic science and technology with prospective application or impact in agriculture and livestock. Researchers are invited to show their findings, especially those with cross-main nature (i.e., involving fine chemistry, physico-chemical characterization, biological interaction and agronomical impact) and contextualize to agriculture needs. The discussion will cover not only defined application but also prospective applications for ceramic products or processes are welcome. Abstracts on the following

- Nanoparticulate catalysts (synthesis, characterization) applied to:
 - Chemical fixation of N₂ to N-based fertilizers
 - Chemical fixation of CO₂ and greenhouse gases
 - Abatement of water contaminants, including (but not limited to) pesticides
 - Chemical conversion of biobased molecules
- Ceramic sensing materials and devices (synthesis and processing):
 - Sensors for NH₃, NH₄⁺, moisture and other agriculture productivity indicators;
 - Sensors for water contamination and food quality (juice, wine, etc)
 - Sensors applied to animal health and production (diseases early detection, analysis of feed, beef quality, etc)
 - Low-temperature gas sensors for in-field application
- Slow and controlled release ceramic materials:
 - Synthesis and processing of porous and mesoporous materials (including hierarchical structures) for nutrient and drug release,
 - pH and temperature responsible adsorbent materials
 - Nanoparticles as fertilizers: solubility of oxides (Zn, Mn, Mo and others) and phosphates as potential nutrient sources for plants
 - Nanocomposite materials for controlled release of agrichemicals and drugs for animal health
- Food conservation and quality:
 - Packaging materials for food conservation (bactericidal particles, ethylene absorbers, etc)
 - Food quality assessment (smart packaging and smart labeling)

Symposium Organizers:

- Chairman: Caue Ribeiro
 - Embrapa, Brazil
- Co-chair: Markus Niederberger
 - ETH, Swiss
 - Fábio Alonso Cardoso
 - Roberto César de Oliveira Romano

E- Ceramics for agriculture and livestock

Materials science has been impacting the technological advance of agriculture and livestock production in different ways. Although the recognized importance (such as metals as agriculture tools), ceramic materials play a fundamental role often neglected, where there are many possible technological gaps to be still solved. Examples include the preparation of catalytic materials and its supports for the production of fertilizers and agrichemicals; the development of sensing materials to detect gaseous emissions in field; the production of scaffolds and porous matrices for controlled drug delivery (in animal health); among others with high potential to produce technology breakthroughs – and consequently, impacting on the food quality and productivity. These topics demand research in synthesis, including nanoparticles, and device design connected to these final applications. Therefore this symposium focuses on the recent developments of ceramic science and technology with prospective application or impact in agriculture and livestock.

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 - Nanocomposite materials for controlled release of agrichemicals and drugs for animal health
- Food conservation and quality:
 - Packaging materials for food conservation (bactericidal particles, ethylene absorbers, etc)
 - Food quality assessment (smart packaging and smart labeling)

Symposium Organizers:

- Chairman: Rafael G. Pileggi
 - Embrapa, Brazil
- Co-chair: Vanderley M. John
 - Fábio Alonso Cardoso
 - Roberto César de Oliveira Romano

F- Ceramics for energy and environment

Ceramic materials enable reduced emissions and ensure efficient use of resources in many areas of energy supply and environmental technology. Distinguished properties such as ionic and mixed conductivity, electromechanical/piezoelectrics, corrosion resistance, catalytic, and photocatalytic make advanced ceramics an interesting choice for application with high requirements. The focus of our symposium is on advanced ceramics that can promote increased performance and environmentally friendly and efficient use of resources. The symposium will cover papers on technical ceramics that are key components for advanced energy and environmental technologies. Abstracts on the following:

- Advanced Ceramics and Systems for Electrochemical Conversion and Storage: fuel cells, electrolyzers, solid state batteries, etc.
- Ceramics for Solar and Thermal Conversion Technologies: thermoelectrics, photocatalysts, photovoltaics, solar-to-fuels, water splitting, etc.
- Catalytic Ceramics for Energy Conversion and Environmental Applications
- Ceramics Enabling Environmental Protection: Clean Air and Water
- Advanced Sensors for Energy and Environment Applications
- Ceramics for Electromechanical Conversion
- Advances in Mixed Ionic-Electronic Ceramics

Symposium Organizers:

- Chairman: Vincenzo Esposito
- DTU, Denmark
- Co-chair: Fabio Coral Fonseca
- IPEN, Brazil

G- Education in ceramics

The Education in Ceramics Symposium will be an international forum for presentation and discussion of multidisciplinary themes concerned to theory and practice of teaching ceramics and related areas, from technical schools, undergraduate and graduate courses. It will be a great opportunity to discuss problems, challenges or initiatives and identifying solutions pertinent to ceramics education, that could benefit students, educators, and the public knowledge of ceramics, promoting development and innovation in the ceramics courses. This Symposium could improve the discussion about learning strategies, critical thinking, values and citizenship, objectives implicit in education towards sustainable development, as the slogan of ICC7 is "Ceramizing the Future for a Sustainable Society". Abstracts on the following:

- Promoting multi-disciplinary initiatives in education in ceramics - impact on curriculum, curriculum development
- Distance learning: methods, technologies and assessment
- Innovative uses of technology in the classroom, open and online education
- Student recruitment and retention methods, attractiveness of ceramics education
- Team projects, case studies and researches challenges (undergraduate or graduate experiences)
- Preparing graduates for industry
- Partnerships with industry and government, university-business cooperation
- STEM (Science, Technology, Engineering & Mathematics) initiatives
- Evaluation strategies (professors and students)
- Transition to graduate studies, recruiting methods to attract graduate students
- Sustainability, environmental and ceramics education
- Skills and ceramics education
- Continuing ceramics education and lifelong learning
- Skills for integrating issues of sustainability into ceramics subjects and classroom topics

Symposium Organizers:

- Chairman: Dr. Renata Ayres Rocha
UFABC, Brazil
- Chairman: Asst. Prof. Andraž Kocjan / Jožef Stefan Institute, Slovenia

H- Electric and magnetic ceramics

The aim of the symposium is to bring together physicists, chemists and materials scientists from universities and industries, to discuss in a multidisciplinary way progress in electric and magnetic ceramics (ferroelectrics, piezoelectrics, (anti) ferromagnetics, magnetoelectrics, etc), including a broad spectrum of basic principles, advanced materials processing, characterizations techniques and potential applications and devices. All participants will be encouraged to present novelty and original contributions addressed to the state-of-art in their respective fields. Abstracts on the following

- Ferroelectrics, Piezoelectrics and Pyroelectrics
- Thermoelectrics
- Magnetoelectrics
- (Anti-) Ferromagnetics
- Dielectrics
- Electrooptics

Symposium Organizers:

- Chairman: José Antonio Eiras
- Co-Chairman: Liliana Mitoseriu

I- Engineering ceramics, mechanical behavior and fractography

In the last 50 years, significant advances were achieved to increase the strength, toughness and reliability of the engineering ceramics, and they have been applied gradually to a practical use in a variety of fields. Demands for ceramics from industries are increasing, therefore we must improve mechanical properties of ceramics and create new materials. For the purpose, new testing method, processing and material design concept are needed. This symposium will be receiving submissions related to advances in the processing, microstructure design, mechanical properties and testing of engineering ceramics. Abstracts on the following

- Engineering ceramics
 - Advances in oxides and non-oxides ceramics
 - Composites: particulate, whisker and fiber-reinforced; laminates
 - Nanostructured ceramics and composites
 - Engineering ceramics processed by new routes: SPS, fast sintering, cold sintering
 - Advances in coating for thermal and environmental barrier
- Mechanical behavior
 - Processing-microstructure-mechanical properties relationship
 - Advances in toughening mechanisms and flaw-tolerant ceramics
 - Advances in crack healing of ceramics
 - Advances to reduce time-dependent damages (fatigue, slow crack growth, creep, ageing)
 - Advances in mechanical testing: new methods, small scale testing
 - Advances in flaw detecting methods: NDE (-CT)
- Fractography
 - Advances in understanding and quantification of fracture
 - Advances in surface characterization techniques: imaging methods (confocal, AFM), correlative fractography
 - Fractography of nanostructured ceramics and composites
 - Case reports: fractography applied to ceramic components

Symposium Organizers:

- Chairman: Humberto N. Yoshimura
 - UFABC, Brazil
- Co-chair: Toshiyuki Nishimura
 - National Institute for Materials Science, Japan

J- Frontiers of glass science

All submissions should address essential problems in the frontiers of glass science. Speakers are instructed to review and analyze the state-of-art critically and to point out open, relevant issues in their topics.

Other types of research reports can be presented as posters.

We are planning to publish a special issue of the *Journal of Non-crystalline Solids* with articles that follow the above-listed instructions. Abstracts on the following

- Glass structure
 - Short, intermediate and medium range order in glasses and their relationships to dynamic processes or properties
- Dynamic processes
 - Viscous flow, relaxation, liquid-liquid phase separation, crystal nucleation and growth, overall crystallization, glass-forming ability
- Properties
 - Mechanical, thermal, electrical, optical, chemical, etc.

Symposium Organizers:

- Chairman: Edgar Dutra Zanotto
- Federal University of São Carlos, Brazil
- Co-chair: Morten M. Smedskjaer
- Aalborg University, Denmark

K- Frontiers of glass technology

All submissions and accepted talks should address innovative and relevant products and processes in the frontiers of glass technology. The invited speakers will be instructed to critically review and analyze the state-of-art of glass industries and products. Abstracts on the following

- Flat glass
- Hollow/container glass
- Fiber glass
- Specialty glasses
- Glass and communication
- Glass and Sustainability
- New melting concepts
- Energy and emissions in the glass industry
- Furnace equipment and refractories

Symposium Organizers:

- Chairman: Mathieu Hubert
- Corning Inc.
- Co-chair: Mauro Akerman
- ABCeram, Brazil
- Co-chair: Eduardo Bellini Ferreira
- USP, Brazil

L- Fundamentals of sintering and advanced sintering processes

This symposium covers fundamental aspects of sintering and related phenomena, such as grain growth, as well as recent advances in sintering processes. Both simulations (modelling) and experimental contributions are welcome, ranging from the atomistic perspective to a mesoscale description of sintering. Abstracts on the following

- Science and technology of conventional pressureless sintering
- Field- and pressure-assisted processes
- Science and technology of cold sintering
- Grain growth processes and modeling
- Sintering of porous materials
- Sintering and additive manufacturing
- Thermodynamics of sintering
- Control of ceramic properties via sintering and grain growth

Symposium Organizers:

- Chairman: Ricardo Castro
- University of California - Davis, USA
- Co-chair: Douglas Gouvea
- University of São Paulo, Brazil
- Co-chair: Gary Messing
- Penn State University, USA

M- Green and energy efficient processing

The development of industrial activities has reached a high technical development but the immediate future needs the establishment of processes and manufacture strategies capable to overcome the current impact to environment and to improve social skills and needings. In such a context, new solutions for sustainable growth of ceramics performance environmentally friendly without any health risk and capable to benefit from natural resources are urgently claimed by a society more and more concerned of the importance of reducing contamination and improving life conditions. Therefore, it is essential to develop new processing strategies for the green manufacture of ceramics to preserve natural sustainability and to generate clean and sustainable energy sources. This symposium focuses on new science and technology of ceramic processing especially concerned with these aspects of sustainability, friendly for environment and health and with reduced costs. On this basis, this symposium welcomes and encourages all ceramics community to submit their recent works dealing with novel aspects of the different steps of ceramic processing, including the development of new, eco-friendly synthesis routes, the optimization of powders preparation, colloidal dispersions and rheology, the study of natural biomolecules and natural additives, the theoretical and practical analysis of innovative shaping techniques involving non-contaminant steps or additives, the use of clean and energetically efficient processes and the recuperation of wastes and recycled products, as well as new aspects concerning the development of fast sintering procedures capable to reduce environmental impact and energy consumption at reduced costs. In addition, the design and manufacture of ceramics and ceramic based composites with complex shapes and tailored microstructures with especial functionalities including aligned porosity, texturation, lamination, etc, are also welcome. Abstracts on the following

- Novel synthesis routes
 - Chemical routes avoiding toxic precursors, such as colloidal sol-gel, freeze drying, chemical routes, etc
 - Routes for the fast, clean synthesis of nanopowders, such as spray flame pyrolysis, microwaves assisted synthesis, etc
 - Synthesis of mixtures, core-shell structures, powders with special shapes and geometries, nano and microspheres, etc
- Modification and beneficiation of raw materials avoiding environmentally aggressive conditions
 - Modelling and engineering of milling and mixing procedures
 - Controlled granulation by spraying, freezing, etc
- Dry powder processing
 - Dry pressing
 - Electrostatic deposition
- Preparation and optimization of suspensions for green manufacture
 - Colloidal stabilization and rheology of suspensions
 - Use of natural additives for ceramic processing
 - Development of aqueous and low toxicity systems
 - Particles assembly
- Innovative shaping processes
 - Colloidal based processes for three dimensional parts including slip casting and derivatives, gelcasting, micropatterning, etc
 - Plastic forming processes, low and high pressure injection moulding, extrusion, etc
 - Manufacture of thin and thick films and coatings by vapor assisted techniques such as CVD, PVD, etc, or using suspensions or particulate sols, such as dipping, spin coating, electrophoretic deposition, etc.
 - Production of laminates and functionally graded materials with functional or structural applications, focusing biomimetic materials, multilayer devices, textured laminates, etc
 - Shaping of porous ceramics using friendly additives, ice-templating, polysaccharides, starches, etc

Symposium Organizers:

- Chair: Dr. Rodrigo Moreno
 - Institute of Ceramics & Glass, Spain
- Chair: Dra. Sonia R. H. Mello Castanho
 - IPEN, Brazil

N- High and ultra high temperature ceramics

A high-level global platform for scientists, engineers, business leaders and ceramists to discuss the latest innovations and scientific achievements in the High and Ultra High Temperature Ceramic field. Ideas and visions of the future for both conventional and new processing technologies, characterization, performance, modelling as well as applications will be shared. Abstracts on the following

- Materials Design, New Compositions and Composites
- Improving Damage Tolerance, Oxidation and Thermal Shock Resistance
- Structure Stability at High and Ultra High Temperatures
- Processing-Microstructure-Property Relationships
- Ceramic Matrix Composites (CMCs) and UHTCMCs
- Modelling and Simulations
- Advanced and Novel Processing Methods

Symposium Organizers:

- Chairman: William (Bill) E. Lee
- Imperial College London – U.K.
- Chairman: Victor C. Pandolfelli
- Federal University of São Carlos - Brazil
- Chairman: Jon Binner
- University of Birmingham – U.K.
- Chairman: Christos Aneziris
- Technische Universität Bergakademie Freiberg - Germany

O- José Arana Varela memorial symposium

Prof. José Arana Varela was responsible for introducing many of the modern concepts of advanced ceramics in Brazil, especially in electronic ceramics and thin films. He contributed to the formation of human resources, leaving as his great legacy professionals of high capacity, who contribute formally to the development of advanced ceramics in Brazil. This symposium will be a tribute to Professor Varela, showing through invited researchers, its importance for the scientific development of this strategic area. This will be a one-day symposium. Only for invited speakers (30 min. of presentation)

Symposium Organizers:

- Chairman: Edson Roberto Leite
- Federal University of São Carlos

P- New trends in silicate and clay-based ceramics

This session will focus on the current and emerging strategies being adopted in the production of silicate and clay-based ceramics, including raw materials, processing, properties and higher added-value products. Abstracts on the following

- Raw materials constraints and alternatives, including industrial wastes
- Innovative products and applications, including pigments and inks
- Thermal and structural transformations during firing
- New processing techniques including microwave heating, new decoration techniques.
- Special clays for health related applications
- Effluents (liquids, solids, gases) and environmental
- Testing and characterization of materials and processes
- Computational modeling and simulation

Symposium Organizers:

- Chairman: Wilson Acchar
- UFRN, Brazil
- Co-chair: Ana M. Segadães
- University of Aveiro, Portugal

Q- Porous and cellular ceramics

Porous and cellular ceramic materials and components are essential in many applications, including filters, absorbers, catalyst carriers, membranes, heat exchangers, heat storage, sensors and lightweight structural components. Highly porous components possessing various pore and cell architecture in the millimeter to the nanometer range can be obtained based on several processing technologies, including precursor pyrolysis, sacrificial templating, partial sintering, direct foaming, replica of porous structures, extrusion, fiber assemblage and Additive Manufacturing. In this symposium, we will discuss recent advances in modeling, manufacturing, characterization and applications of cellular and porous ceramics. Abstracts on the following:

- Advancements in Processing of Porous Ceramics
- Structure and Properties of Porous Ceramics
- Modeling of Porous Structures and Properties
- Characterization of Porous Structures
- Micro-porous and Meso-porous Ceramics
- Ceramic Membranes
- Applications of Porous Ceramics

Symposium Organizers:

- Chairman: Prof. Fernando dos Santos Ortega
- FEI, Brazil
- Co-chair: Prof. ing. Paolo Colombo
- University of Padova, Italy

R- Polymer-derived ceramics development and applications

Precursor-based ceramics play an increasing role because of their flexibility in incorporating elements at a molecular level resulting in different classes of ceramics as amorphous networks containing the constituents homogeneously dispersed on the atomic level, crystalline phases and (nano)composites of binary or multinary phases which cannot be formed by traditional routes. Additionally, technical fibers, coatings, matrices of composites and functional porous ceramics are examples for the wide field of applications of these pre-ceramic polymers. In comparison to other ceramic manufacturing technologies, the use of polymer-shaping techniques and the considerable low processing temperatures are technological advantages which allow unique properties and functionalities. The aim of the symposium is to discuss the latest developments on PDC ceramics, including modelling, structural characterization, microstructure/property correlations, and the manufacture of functional and structural components based on these organic-inorganic polymers. This symposium will review the current state of the AM technologies for ceramic processing, with focus on feedstocks, equipment development, design, properties and microstructure of printed parts. The following topics are suggested, but not limited to:

- PDC based ceramic fibers
 - Processing of oxide and non-oxide ceramic fibers
 - Characterization and properties of ceramic fibers
 - Applications for CMCs, MMCs and fiber fabrics
- Precursor based polymer and ceramic coatings
 - Development of functional coatings hydrophilic/hydrophobic/catalytic
 - protective coatings from corrosion/oxidation
 - coating technologies and characterization
- Functional ceramics
 - Metal modified PDCs
 - Catalytic active ceramics
 - Electrical and magnetic properties
 - Optical properties
 - Ceramics for hydrogen generation

- Nanocomposites
 - Techniques for tailoring the nanostructure
 - Processing of nanocomposites
 - Properties of nanocomposites
- Porous ceramics
 - Robust catalysts for bio-mass conversion
 - Hydrogen storage and separation
 - Membranes for gas purification and separation
- Modeling and simulation
 - Simulation of phase formation, separation and crystallization
 - Prediction of ceramic properties in dependency on the precursor
- Industrial applications
 - Electronic applications e.g. LED, dielectric medium, shielding
 - As alternative coating systems
 - CMCs (fibers and matrices)

Symposium Organizers:

- Chairman: Dr. Günter Motz
- Chairman: Dr. Samuel Bernard
- Co-chair: Prof. Yuji Iwamoto
- Co-chair: Prof. Raj K. Bordia
- Co-chair: Prof. Ricardo Machado
- Co-chair: Prof. Jie Kong





CONFERENCE VENUE

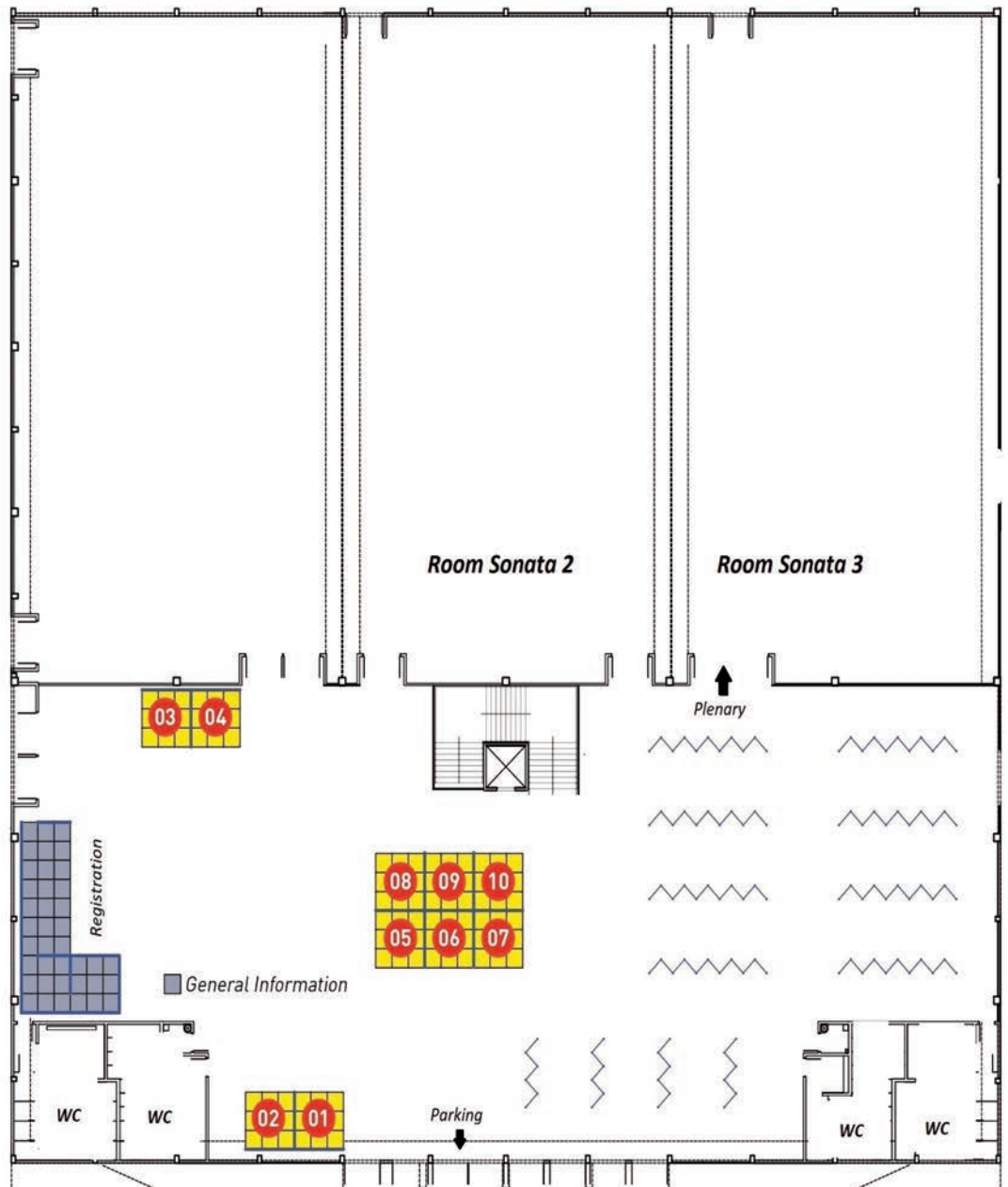




EXHIBITION AREA

Exhibitors

- 01 - REOTERM
- 02- AVACO
- 03 - ELFUSA
- 04 - EIRICH
- 05 - NETZSCH
- 06 - MBRAUM
- 07 - ATCP
- 08 - QUANTUM
- 09 - TECPROPRO
- 10 - ALTMANN







PROGRAM OVERVIEW

June, 18									
Room Sonata 2	Room Minueto	Room Cantata 1	Room Cantata 2	Room Prelúdio	Room Canon	Room Allegro 1	Room Allegro 2	Room Vivace 1	Room Vivace 2
08:30- 09:00 a.m. 14-020	08:30- 09:00 a.m. 09-027	08:30- 08:50 a.m. Opening session 08:50- 09:10 a.m.	08:30- 09:00a.m. 13-041	08:30- 09:00a.m. 10-030	08:30- 09:00 a.m. Overview Brazilian glass	08:30- 09:00 a.m. 08-004	08:30- 09:00 a.m. 06-227	08:30- 09:00 a.m. 18-063	08:30- 08:50 a.m. Openig Section
09:00- 09:30 a.m. 14-004	09:00- 09:20 a.m. 09-064 O 09:20-09:40a.m. 09-124 O 09-101 O	09:10- 09:50 a.m. Karen Scrivener / Vanderley M John /	09:00- 09:30 a.m. 13-058	09:00- 09:30 a.m. 10-079	09:00- 09:30 a.m. 11-018	09:00- 09:30 a.m. 08-018	09:00- 09:20 a.m. 06-180 O 09:20-09:40a.m. 06-049 O	09:00- 09:30 a.m. 18-029	08:50- 09:20 a.m. 02-070 09:20- 09:40 a.m. 02-092 O
09:30- 10:00 a.m. 14-035	09:40- 10:00 a.m. 09-101 O	09:50- 10:30 a.m. Edgardo F Irassar /	09:30- 09:50 a.m. 13-046 O 09:50- 10:10 a.m. 13-048 O	09:30- 10:00 a.m. 10-028 10:00- 10:30 a.m. 10-058	09:30- 09:50 a.m. 11-034 O 09:50- 10:10 a.m. 11-030 O 10:10- 10:30 a.m. 11-019 O	09:30- 09:50 a.m. 08-109 O 09:50- 10:10 a.m. 08-027 O 10:10- 10:30 a.m. 08-048 O	09:40- 10:00 a.m. 06-160 O 10:00- 10:30 a.m. 06-181	09:30- 09:50 a.m. 18-018 O 09:50- 10:10 a.m. 18-042 O 10:10- 10:30 a.m. 18-007 O	09:40- 10:10 a.m. 02-096 09:50- 10:10 a.m. 18-042 O 10:10- 10:30 a.m. 02-028 O
10:30 - 10:50 a.m. Coffee									
10:50- 11:10 a.m. 14-040	11:00- 11:20 a.m. 09-106 O 11:20- 11:40 a.m. 09-016 O	10:50- 11:15 a.m. Maria A. Luciano Gobbo /	10:50- 11:20 a.m. 13-012 11:20- 11:50 a.m. 13-060	10:50- 11:10 a.m. 10-011 O 11:10- 11:30 a.m. 10-034 O 11:30- 11:50 a.m. 10-077 O	10:50- 11:10 a.m. 11-009 O 11:10- 11:30 a.m. 11-025 O 11:30- 11:50 a.m. 11-017 O	10:50- 11:10 a.m. 08-047 O 11:10- 11:30 a.m. 08-022 O 11:30- 11:50 a.m. 08-099 O	10:50- 11:10 a.m. 06-220 O 11:10- 11:30 a.m. 06-110 O 11:20- 11:50 a.m. 18-015	10:50- 11:20 a.m. 18-027 11:20- 11:50 a.m. 18-015	10:50- 11:10 a.m. 02-006 O 11:10- 11:30 a.m. 02-052 O 11:30- 11:50 a.m. 02-017 O
11:50 a.m. -12:30 p.m. Plenary talk - André R. Studart Room 1 Sonata 3									
12:30 - 02:00 p.m. Lunch									
02:00- 02:25 p.m. 14-064	02:00- 02:30 p.m. 09-121 02:30- 02:50 p.m. 09-109 O 02:50- 03:15 p.m. 14-028 09-084 O 03:15- 03:40 p.m. 14-034 03:30- 04:00 p.m. 09-054 O	02:00- 02:20 p.m. 04-039 O 02:20- 02:40 p.m. 04-075 O 02:40- 03:20 p.m. Robert Flatt / 03:20- 04:00 p.m. Rafael G Pileggi /	02:00- 02:30 p.m. 13-001 02:30- 03:00 p.m. 13-039 03:00- 03:20 p.m. 13-059	02:00- 02:30 p.m. 10-029 02:30- 03:00 p.m. 10-023 03:00- 03:30 p.m. 10-068	02:00- 02:30 p.m. 11-007 02:30- 03:00 p.m. 11-014 03:00- 03:20 p.m. 11-021 O 03:20- 03:40 p.m. 11-015 O 03:40- 04:00 p.m. 11-026 O	02:00- 02:30 p.m. 08-081 02:30- 03:00 p.m. 08-142 03:00- 03:20 p.m. 08-123 O 03:20- 03:40 p.m. 08-041 O 03:40- 04:00 p.m. 08-051 O	02:00- 02:30 p.m. 06-081 02:30- 02:50 p.m. 06-229 O 02:50- 03:10 p.m. 06-018 O 03:30-04:00 p.m. 06-182	02:00- 02:30 p.m. 18-054 02:30- 03:00 p.m. 18-064 03:00- 03:20 p.m. 18-021 O 03:20- 03:40 p.m. 18-011 O 03:40- 04:00 p.m. 18-022 O	02:30- 02:50 p.m. 02-023 O 02:50- 03:10 p.m. 02-024 O 03:10-03:30 p.m. 02-091 O 03:30-04:00 p.m. 02-036
04:00- 04:30 p.m. Coffee - Break									
04:30- 04:50 p.m. 14-024	04:30- 04:50 p.m. 09-022 O 04:50- 05:10 p.m. 09-033 O 05:10- 05:30 p.m. 09-045 O	04:30- 04:50 p.m. 04-022 O 04:50- 05:10 p.m. 04-054 O 05:10- 05:30 p.m. Poster short presentations		04:30- 05:30 p.m. Poster Firetalks	04:30- 05:00 p.m. 11-003 05:00- 05:20 p.m. 08-012 O 05:20- 05:40 p.m. 08-083 O			04:30- 04:50 p.m. 18-040 O 04:50- 05:10 p.m. 18-055 O 05:10- 05:30 p.m. 18-053 O	04:30- 05:00 p.m. 02-060 05:00- 05:30 p.m. 02-058
POSTER SESSION									

Symposium

A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8	I/9
J/10	K/11	L/12	M/13	N/14	O/15	P/16	Q/17	R/18

Symposium Title

- A/1 Additive Manufacturing of Ceramics
- B/2 Advances in Bioceramics
- C/3 Bioinspired Ceramics and Composites
- D/4 Cements and geopolymers
- E/5 Ceramics for agriculture and livestock
- F/6 Ceramics for energy and environment
- G/7 Education in Ceramics
- H/8 Electric and Magnetic Ceramics
- I/9 Engineering Ceramics, Mechanical Behavior and Fractography
- J/10 Frontiers of Glass Science
- K/11 Frontiers of Glass Technology
- L/12 Fundamentals of Sintering and Advanced Sintering Processes
- M/13 Green and Energy Efficient Processing
- N/14 High and Ultra High Temperature Ceramics
- O/15 José Arana Varela Memorial Symposium
- P/16 New trends in silicate and clay-based ceramics
- Q/17 Porous and Cellular Ceramics

ment and applications

June, 19									
Room Sonata 2	Room Minueto	Room Cantata 1	Room Cantata 2	Room Prelúdio	Room Canon	Room Allegro 1	Room Allegro 2	Room Vivace 1	Room Vivace 2
08:30-08:55 a.m. 14-002 /	08:30- 09:00a.m. 09-096 /		08:30- 09:00a.m. 13-018 /	08:30- 09:00a.m. 10-056 /	08:30-08:50 a.m. 17-087 O	08:30- 09:00a.m. 08-075 /	08:30- 09:00a.m. 06-007 /	08:30- 09:00a.m. 18-004 /	
08:55-09:20 a.m. 14-049 /	09:00- 09:20 a.m. 09-095 O	08:50- 09:10 a.m. 04-036 O	09:00- 09:30 a.m. 13-045 /	09:00- 09:30 a.m. 10-015 /	08:50- 09:10 a.m. 17-080 O	09:00- 09:30 a.m. 08-077 /	09:00- 09:20 a.m. 06-211 O	09:00- 09:30 a.m. 18-048 /	09:20- 09:40 a.m.
09:20-09:45 a.m. 14-018 /	09:20- 09:40 a.m. 09-012 O	09:10- 09:30 a.m. 04-031 O	09:30- 09:50 a.m. 13-016 O	09:30- 10:00 a.m. 10-002 /	09:10- 09:30 a.m. 17-052 O	09:30- 09:50 a.m. 08-085 O	09:20- 09:40 a.m. 06-030 O	09:30- 09:50 a.m. 18-030 O	09:40- 10:00 a.m.
09:45-10:10 a.m. 14-008 /	9:40- 10:00 a.m. 09-119 O	09:30- 09:50 a.m. V.M. John O	09:50- 10:10 a.m. 13-003 O	10:00- 10:30 a.m. 10-009 /	09:30- 09:50 a.m. 17-028 O	09:50- 10:10 a.m. 08-138 O	09:40- 10:00 a.m. 06-115 O	09:50- 10:10 a.m. 18-045 O	09:40- 10:00 a.m. 02-034 O
10:10-10:30 a.m. 14-075 O	10:00- 10:30 a.m. 09-093 /	09:50- 10:30 a.m. Bernhard Middendorf /	10:10- 10:30 a.m. 13-024 O		09:50- 10:30 a.m. 17-019 /	10:10- 10:30 a.m. 08-046 O	10:00- 10:30 a.m. 06-196 /	10:10- 10:30 a.m. 18-062 O	10:00- 10:30 a.m. 02-016 /
10:30 -10:50 a.m. Coffee									
10:50- 11:10 a.m. 14-001 /	10:50- 11:10 a.m. 09-067 O	10:50- 11:15 a.m. Carlos J.	10:50- 11:20 a.m. 13-019 /	10:50- 11:10 a.m. 10-001 O	10:50- 11:10 a.m. 17-077 O	10:50- 11:20 a.m. 08-150 /	10:50- 11:10 a.m. 06-016 O		10:50- 11:10 a.m. 02-075 O
11:10- 11:30 a.m. 14-054 /		11:15- 11:40 a.m. Silvia R. Vieira		11:10- 11:30 a.m. 10-020 O			11:10- 11:30 a.m. 06-208 O		11:10- 11:40 a.m. 02-056 /
11:30- 11:50 a.m. 14-016 O	11:10- 11:50 a.m. 09-029 /	11:40- 11:50 a.m. Debate	11:20- 11:50 a.m. 13-040 /	11:30- 11:50 a.m. 10-045 O	11:10- 11:50 a.m. 17-029 /	11:20- 11:50 a.m. 08-149 /	11:30- 11:50 a.m. 06-177 O		11:40- 11:50 a.m. Closing Section
11:50 a.m. -12:30 p.m. Plenary talk - Edgar Dutra Zanotto Room 1 Sonata 3									
12:30 - 02:00 p.m. Lunch									
02:00- 02:25 p.m. 14-029 /	02:00- 02:30 p.m. 09-083 /	02:00- 02:20 p.m. 04-021 O	02:00- 02:30 p.m. 13-038 /	02:00- 02:30 p.m. 10-027 /	02:00- 02:20 p.m. 17-005 O	02:00- 02:30 p.m. 08-127 /	02:00- 02:30 p.m. 06-240 /		02:00- 02:30 p.m. 03-031 /
02:25- 02:50 p.m. 14-022 /	02:30- 02:50 p.m. 09-034 O	02:20- 02:40 p.m. 04-104 O	02:30- 03:00 p.m. 13-042 /	02:30- 03:00 p.m. 10-037 /	02:20- 02:40 p.m. 17-065 O	02:30- 03:00 p.m. 08-141 /	02:30- 02:50 p.m. 06-232 O		02:30- 03:00 p.m. 03-047 /
02:50- 03:15 p.m. 14-043 /	02:50- 03:10 p.m. 09-094 O	02:40- 03:20 p.m. Mohend Chaouche /	03:00- 03:20 p.m. 13-015 O	03:00- 03:30 p.m. 10-032 /	02:40- 03:00 p.m. 17-032 O	03:00- 03:20 p.m. 08-042 O	02:50- 03:10 p.m. 06-148 O		03:00- 03:30 p.m. 03-032 O
03:15- 03:40 p.m. 14-071 /	03:10- 03:30 p.m. 09-118 O	03:20- 04:00 p.m. Guilherme Lenz e Silva /			03:00- 03:20 p.m. 17-022 O	03:20- 03:40 p.m. 08-019 O	03:10- 03:30 p.m. 06-239 O		03:30- 04:00 p.m. 03-049 /
03:40- 04:00 p.m. 14-041 /	03:30- 04:00 p.m. 09-114 O				03:20- 04:00 p.m. 17-012 /	03:40- 04:00 p.m. 08-044 O	03:30- 04:00 p.m. 06-052 /		
04:00- 04:30 p.m. Coffee - Break									
04:30- 04:50 p.m. 14-006 /	04:30- 04:50 p.m. 09-032 O	04:30- 04:50 p.m. 04-049 O			04:30- 04:50 p.m. 17-048 O	04:30- 04:50 p.m. 08-089 O			04:30- 05:00 p.m. 03-050 /
04:50- 05:10 p.m. 14-066 /	04:50- 05:10 p.m. 09-030 O	04:50- 05:10 p.m. 04-088 O				04:50- 05:10 p.m. 08-118 O			
05:10- 05:30 p.m. 14-057 /	05:10- 05:30 p.m. 09-035 O	05:10- 05:30 p.m. Poster short presentations		Free	04:50- 05:30 p.m. 17-040 /	05:10- 05:30 p.m. 08-125 O			05:00- 05:30 p.m. Flash poster presentation
POSTER SESSION									

Symposium

A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8	I/9
J/10	K/11	L/12	M/13	N/14	O/15	P/16	Q/17	R/18

Symposium Title

- A/1 Additive Manufacturing of Ceramics
- B/2 Advances in Bioceramics
- C/3 Bioinspired Ceramics and Composites
- D/4 Cements and geopolymers
- E/5 Ceramics for agriculture and livestock
- F/6 Ceramics for energy and environment
- G/7 Education in Ceramics
- H/8 Electric and Magnetic Ceramics
- I/9 Engineering Ceramics, Mechanical Behavior and Fractography
- J/10 Frontiers of Glass Science
- K/11 Frontiers of Glass Technology
- L/12 Fundamentals of Sintering and Advanced Sintering Processes
- M/13 Green and Energy Efficient Processing
- N/14 High and Ultra High Temperature Ceramics
- O/15 José Arana Varela Memorial Symposium
- P/16 New trends in silicate and clay-based ceramics
- Q/17 Porous and Cellular Ceramics
- R/18 Polymer-derived ceramics development and applications

June, 20												
Room Sonata 2	Room Minueto	Room Cantata 1	Room Cantata 2	Room Prelúdio	Room Canon	Room Allegro 1	Room Allegro 2	Room Vivace 1	Room Vivace 2			
08:30- 08:55 a.m. 14-063 /	08:30- 9:10 a.m. ELFUSA / 09:10- 9:50 a.m. REOTERM / 09:50- 10:30 a.m. TECPROPRO I		08:30- 09:00 a.m. 12-039 /	08:30- 09:00 a.m. 10-031 /	08:30- 08:50 a.m. 17-060 O		08:30- 09:00 a.m. 06-230 I	08:30- 09:00 a.m. 03-033 /	Symposium - O José Arana Varela Memorial Symposium			
08:55- 09:20 a.m. 14-093 /			09:00- 09:30 a.m. 12-031 /	09:00- 09:30 a.m. 10-076 /	08:50- 09:10 a.m. 17-071 O		09:00- 09:20 a.m. 06-184 O	09:00- 09:30 a.m. 03-036 /				
09:20- 09:45 a.m. 14-007 /			09:30- 10:00 a.m. 12-035 /	09:30- 10:00 a.m. 10-003 /	09:10- 09:30 a.m. 17-066 O		09:20- 09:40 a.m. 06-214 O	09:30- 10:00 a.m. 03-039 /				
09:45- 10:10 a.m. 14-062 /			10:00- 10:30 a.m. 12-032 /	10:00- 10:30 a.m. 10-047 /	09:30- 09:50 a.m. 17-070 O		09:40- 10:00 a.m. 06-150 O	10:00- 10:30 a.m. 03-026 /				
10:10- 10:30 a.m. 14-055 /			10:30 -10:50 a.m. Coffee									
10:50- 11:10 a.m. 14-067 /	10:50- 11:20 a.m. 07-037 /		10:50- 11:10 a.m. 12-029 O	10:50- 11:10 a.m. 10-019 O	10:50- 11:10 a.m. 17-058 O		10:50- 11:10 a.m. 06-179 O	10:50- 11:20 a.m. 03-046 /	Symposium - O José Arana Varela Memorial Symposium			
11:10- 11:30 a.m. 14-003 /	11:20- 11:50 a.m. 07-022 /		11:10- 11:30 a.m. 12-047 O	11:10- 11:30 a.m. 10-081 O	11:10- 11:50 a.m. 17-015 /		11:10- 11:30 a.m. 06-163 O	11:20- 11:50 a.m. Flash poster presentation				
11:30- 11:50 a.m. 14-021 /			11:30- 11:50 a.m. 12-040 O	11:30- 11:50 a.m. 10-035 O			11:30- 11:50 a.m. 06-177 O	11:50 a.m. -12:30 p.m. Plenary talk - Mike Murray Room 1 Sonata 3				
12:30 - 02:00 p.m. Lunch												
02:00- 02:25 p.m. 14-005 /	2:00- 2:30 p.m. 07-039 /		02:00- 02:30 p.m. 12-027 /	02:00- 02:30 p.m. 10-007 /	02:00- 02:20 p.m. 17-039 O	02:00- 02:40 p.m. 01-024 /	02:00- 02:20 p.m. 06-004 O	02:00- 02:30 p.m. 16-007 /	Symposium - O José Arana Varela Memorial Symposium			
02:25- 02:50 p.m. 14-068 /	02:30- 02:50 p.m. 07-005 O		02:30- 03:00 p.m. 12-038 /	02:30- 02:50 p.m. 10-062 O	02:20- 02:40 p.m. 17-067 O	02:40- 03:00 p.m. 01-072 O	02:20- 02:40 p.m. 06-108 O	02:30- 03:00 p.m. 16-051 /				
02:50- 03:15 p.m. 14-037 /	02:50- 03:10 p.m. 07-034 O		03:00- 03:20 p.m. 12-050 O	02:50- 03:20 p.m. 10-051 /	02:40- 03:00 p.m. 17-049 O	03:00- 03:20 p.m. 01-060 O	02:40- 03:00 p.m. 06-054 O	03:00- 03:20 p.m. 16-022 O				
03:15- 03:40 p.m. 14-010 /	03:10- 03:40 p.m. 07-009 /		03:20- 03:40 p.m. 12-014 O	03:20- 03:40 p.m. 10-063 O	03:20- 04:00 p.m. 17-084 O	03:20- 04:00 p.m. 01-071 /	03:00- 03:20 p.m. 06-061 O	03:00- 03:20 p.m. 16-003 O				
03:40- 04:00 p.m. 14-051 O			03:40- 04:00 p.m. 12-018 O		03:20- 04:00 p.m. 17-035 /	03:20- 04:00 p.m. 01-061 O	03:20- 03:40 p.m. 06-029 O	03:40- 04:00 p.m. 16-070 O				
04:00- 04:30 p.m. Coffee - Break												
04:30- 04:50 p.m. 14-011 /	04:30- 05:00 p.m. 07-019 /		04:30- 05:00 p.m. 12-052 /		04:30- 04:50 p.m. 17-020 O	04:30- 05:10 p.m. 01-016 /		04:30- 04:50 p.m. 16-004 O	Symposium - O José Arana Varela Memorial Symposium			
04:50- 05:10 p.m. 14-017 O	05:00- 05:30 p.m. 07-003 /		05:00- 05:20 p.m. 12-019 O		04:50- 05:30 p.m. 17-085 /	05:10- 05:30 p.m. 01-061 O		04:50- 05:10 p.m. 16-040 O				
05:10- 05:30 p.m. 14-078 /			05:20- 05:40 p.m. 12-028 O					05:10- 05:30 p.m. 16-026 O				
05:30- 05:50 p.m. M. Jalaly invited			POSTER SESSION									

Simposium	A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8	I/9
	J/10	K/11	L/12	M/13	N/14	O/15	P/16	Q/17	R/18

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June, 21									
Room Sonata 2	Room Minueto	Room Cantata 1	Room Cantata 2	Room Prelúdio	Room Canon	Room Allegro 1	Room Allegro 2	Room Vivace 1	Room Vivace 2
		08:30- 08:50 a.m. 05-004 /		08:30- 10:30 a.m. Discussion: International research collaboration / JNCS "Frontiers" issue				08:30- 09:00 a.m. free slot	Symposium - O José Arana Varela Memorial Symposium
		08:50- 09:15 a.m. 05-001 O						09:00- 09:30 a.m. 03-037 /	
		09:15- 09:30 A.M. 05-005 O						09:30- 10:00 a.m. 03-041 /	
		09:30- 10:00 a.m. 05-016 /						10:00- 10:30 a.m. 03-052 /	
		10:00- 10:30 a.m. Swateshmukul Santra							
10:30 -10:50 a.m. Coffee									
		10:50- 11:20 a.m. Markus Niederberger		10:50- 11:50 a.m. Discussion: International research collaboration / JNCS "Frontiers" issue				10:50- 11:20 a.m. 03-051 /	Symposium - O José Arana Varela Memorial Symposium
		11:20- 11:35 A.M. Andre F. de						11:20- 11:50 a.m. 03-040 /	
		11:35- 11:50 a.m. 05-002 O							
11:50 a.m. -12:30 p.m. Plenary talk - Masahiro Yoshimura <i>Room 1 Sonata 3</i>									
Closing Cerimony									

Symposium	A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8	I/9
	J/10	K/11	L/12	M/13	N/14	O/15	P/16	Q/17	R/18

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ORAL SESSION DETAILED SYMPOSIUM PROGRAM

Monday, June 17 - 21, 2018





18, June - Room Sonata 2
Symposia: N - High and Ultra High Temperature Ceramics

Time	Chair	
08:30 AM	William (Bill) E. Lee / Victor C. Pandolfelli Jon Binner / Christos Aneziris	14-020 - Invited Future Research Needs for Ultra-High Temperature Ceramics William Fahrenholtz (Estados Unidos) (1) MST; Fahrenholtz, W.(1);
09:00 AM		14-004 - Invited Exposure of High Temperature Ceramics to Molten Sand and Combustion Flows for Gas Turbine Engine Applications Andy Nieto (Estados Unidos) (1) AN; (2) MW; (3) MM; (4) AG; Nieto, A.(1); Walock, M.(2); Murugan, M.(3); Ghoshal, A.(4);
09:30 AM		14-035 - Invited Advances in the processing and characterization of UHTC-Composites for Aerospace Diletta Sciti (Italy) (1) CNR; Sciti, D.(1);Vinci, A.(1);
10:00 AM		14-072 - Invited Study of UHTC microstructures for hypersonic applications via finite element method Ricardo Afonso Angélico (Brazil) (1) USP; (2) UFSCar; Angélico, R.A.(1); Dos Santos, M.F.(2); Sciuti, V.F.(2); Canto, R.B.(2); Pandolfelli, V.C.(2);
10:30am	Coffee	
10:50 AM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-040 - Invited Arc Melted High Temperature Oxides: Recent Developments, Opportunities and Challenges Paschoal Bonadia (Brazil) (1) RHIM; Bonadia, P.(1); Gelbmann, G.(1);
11:10 AM		14-061 - Invited The wettability at high temperatures in the technological development of materials Sebastiao Ribeiro (Brasil) (1) EEL/USP; Ribeiro, S.(1);
11:30 AM		14-046 - oral Energy savings in iron and steel vessels by refractory lining design Matheus Felipe Dos Santos (Brazil) (1) UFSCar; (2) USP; (3) FATEC Sertãozinho; Dos Santos, M.F.(1); Campos, M.G.G.(1); Pelissari, P.B.G.B.(1); Sako, E.Y.(1); Angélico, R.A.(2); Salvini, V.R.(3); Pandolfelli, V.C.(1);
11:50 AM		Plenary talk - André R. Studart

12:30 PM	Lunch	
02:00 PM	William (Bill) E. Lee / Victor C. Pandolfelli Jon Binner / Christos Aneziris	14-064 - Invited Why should a steel producer bother about refractories Sido Sinnema (Netherlands) (1) S.; Sinnema, S.(1);
02:25 PM		14-039 - Invited Extreme temperature in refractory applications: some examples from the field Frédéric Roulet (France) (1) SG CREE; Roulet, F.(1); San -miguel, L.(1); Francy, O.(1); Boumahdi, N.(1); Cabodi, I.(1);
02:50 PM		14-028 - Invited Carbon bonded Refractories binding systems: Technical, Economical and Environmental challenges Erwan Gueguen (France) (1) ; Gueguen, E.(1); Hill, K.(1); Cabral Da Silva, S.L.(1);
03:15 PM		14-034 - Invited The Relevance of Carbon in Ceramics Markus Braun (Germany) (1) ; Braun, M.(1); Boenigk, W.(1);
03:40 PM		14-015 - oral On the non-linear mechanical behavior of carbon-bonded alumina at high temperatures Bruno Luchini (Alemanha) (1) IKGB; (2) UFSCar; Luchini, B.(1); Grabenhorst, J.(1); Fruhstorfer, J.(1); Pandolfelli, V.C.(2); Aneziris, C.(1);
04:00pm	Coffee-Break	
04:30 PM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-024 - Invited High performance thermal insulator ceramic foams with tailored microstructure Pedro Ivo Batistel Galiete Brossi Pelissari (Brazil) (1) UFSCar; (2) USP; Pelissari, P.B.G.B.(1); Angélico, R.A.(2); Salvini, V.R.(1); Pandolfelli, V.C.(1);
04:50 PM		14-030 - oral Macroporous ceramics for thermal insulation at high temperatures derived from greener and ultrastable liquid foams Tiago dos Santos Junior (Brazil) (1) UFSCar; (2) FATEC Sertãozinho; Santos Junior, T.(1); Pereira, C.I.(1); Salvini, V.R.(2); Pandolfelli, V.C.(1);
05:10 PM		14-056 - oral Development and testing of exchangeable carbon-bonded alumina foam filter systems for the continuous casting of steel Tony Wetzig (Germany) (1) TU BA Freiberg; (2) TU B Freiberg; Wetzig, T.(1); Dudczig, S.(1) ; Hubálková, J.(1); Aneziris, C.(2);

18, June - Minueto
Symposia: I - Engineering Ceramics, Mechanical Behavior and Fractography

Time	Chair	
08:30 AM	Humberto N. Yoshimura	09-027 - Invited Novel hybrid materials with added-value functionalities for applications in extreme environments Frederic Monteverde (Italy) (1) CNR; Monteverde, F.(1); Sciti, D.(1); Zoli, L.(1); Saraga, F.(1);
09:00 AM		09-064 - oral The role of interfaces in advanced ceramic composites Piotr Wiecinski (Poland) (1) WUT; (2) ITE -PIB; Wiecinski, P.(1); Wieclaw -midor, A.(1); Smolik, J.(2); Garbacz, H.(1);
09:20 AM		09-124 - oral R-Curve Behavior and Flexural Strength of Zirconia-toughened Alumina and Partially Stabilized Zirconia Composite Laminates Marcelo Daniel Barros (Brasil) (1) TUHH; (2) UFSC; (3) FAU; Blaese, D.(1); Benitez, T.(2); Barros, M.D.(2); Jelitto, H.(1); Travitzky, N.(3); Hotza, D.(2); Janssen, R.(1);
09:40 AM		09-101 - oral Production and characterization of Alumina-Titania-ftria ceramics composites for thermal barrier aerospace exhaust system. YOGENDRA PRASAD YADAVA (Brasil) (1) UFPE; De Albuquerque, L.T.(1); Gomes, N.L.(1); Ferreira, R.A.S.(1); Yadava, Y.P.(1);
10:00 AM		09-028 - Invited Thermal shock resistance, wear behavior and oxidation resistance of silicon nitride based nano-composites Pavol Sajgalik (Slovakia) (1) IIC SAS; (2) IMR SAS; (3) ; Sajgalik, P.(1); Hnatko, M.(1); Lences, Z.(1); Dusza, J.(2); Tatarko, P.(3); Kovalčíková, A.(2); Kašiarová, M.(2);
10:30am	Coffee	
11:00 AM	Humberto N. Yoshimura	09-106 - oral Texture formation in alpha-alumina coating by aerosol deposition method Makoto Tanaka (Japan) (1) JFCC; (2) YNU; Tanaka, M.(1); Kawashima, N.(1); Kitaoka, S.(1); Yokoe, D.(1); Kato, T.(1); Hasegawa, M.(2);
11:20 AM		09-016 - oral Tribological behavior of hydrogenated W-C/a-C:H coatings deposited by different sputtering techniques Frantisek Lofaj (Slovakia) (1) IMR SAS; (2) IMSE LUT; (3) MTF STU; Lofaj, F.(1); Klich, M.(2); Medved, D.(1); Kabatova, M.(1); Vana, D.(3); Dobrovodsky, J.(3);
11:50 AM		Plenary talk - André R. Studart

12:30:00	Lunch	
02:00 PM	Humberto N. Yoshimura	09-121 - Invited Super-strong ZrB₂-based UHTCs at High Temperatures Guo Jun Zhang (China) (1) DHU; (2) Birmingham; Zhang, G.(1); Zou, J.(2); Ma, H.(1);
02:30 PM		09-109 - oral Understanding fracture of brittle solids: from single crystals to ceramic systems Raul Bermejo (Austria) (1) RB; Bermejo, R.(1);
02:50 PM		09-084 - oral Effects of sintering additive on the mechanical properties of AlN ceramics Humberto Naoyuki Yoshimura (Brasil) (1) UFABC; (2) FSA; (3) USP; Yoshimura, H.N.(1); Molisani, A.L.(2); Goldenstein, H.(3);
03:10 PM		09-085 - oral Ferroelastic characterization of LaCoO₃ by impression testing Ali Akbari-Fakhrabadi (Chile) (1) Advanced Materials Laboratory; Akbari-fakhrabadi, A.(1); Rodríguez Carreño, O.B.(1); Meruane, V.(1);
03:30 PM		09-054 - oral Cavitation wear of ceramics under stream-impact conditions Zbigniew Pedzich (Poland) (1) AGH; (2) Ziabka, M.; (3) Jasionowski, R.; Pedzich, Z.(1); Ziabka, M.(2); Jasionowski, R.(3);
04:00pm		Coffee-Break
04:30 PM	Humberto N. Yoshimura	09-022 - oral Combined Effect of Conductive Phase and Current Pattern on Spark Plasma Sintering of Si₃N₄-Based Ceramic Composite FEI ZUO (China) (1) GDUT; Zuo, F.(1); Lin, H.(1);
04:50 PM		09-033 - oral Mechanical Properties of Spark Plasma Sintered Aluminum Nitride Ceramics Toshiyuki Nishimura (Japan) (1) T.N.; Nishimura, T.(1);
05:10 PM		09-045 - oral Comminution influence on mechanical properties of nbc consolidated by spark plasma sintering Ana Julia Oliveira Tertuliano (Brasil) (1) USP; (2) UFABC; Tertuliano, A.J.O.(1); Boidi, G.(1); Machado, I.F.(1); Trombini, V.(2);

18, June - Cantata I
Symposia: D - Cements and geopolymers

Time	Chair	
08:30 AM	Rafael G. Pileggi	Opening session
08:50 AM		Invited Karen Scrivener (EPFL Lausanne)
09:50 AM		Invited Edgardo F Irassar (National University of the Center of Buenos Aires Province)
10:30am	Coffee	
10:50 AM	Rafael G. Pileggi	Invited Special session: Prof. Maria A. Cincotto
11:15 AM		Invited Luciano Gobbo - Malvern PANalytical
11:50 AM		Plenary talk - André R. Studart
12:30:00	Lunch	

Oral

02:00 PM	Rafael G. Pileggi	04-039 - oral Monitoring the gain on consistency over time of cementitious suspensions mixed with vermiculite residue Marcel Hark Maciel (Brasil) (1) USP; Rojas-ramírez, R.A.(1); Maciel, M.H.(1); Romano, R.C.O.(1); Pileggi, R.G.(1);Vieira - coelho, A.C.(1);
02:20 PM		04-075 - oral Experimental developments of the squeeze-flow test for building materials Fábio Alonso Cardoso (Brasil) (1) Poli-USP; Cardoso, F.A.(1); John,V.M.(1); Pileggi, R.G.(1);
02:40 PM		Invited Robert Flatt (ETH Zürich)
03:20 PM		Invited Rafael G Pileggi (Poli-USP)
04:00pm	Coffee-Break	
04:30 PM	Rafael G. Pileggi	04-022 - oral MgAl-layered double hydroxide as smart nanofiller for cement-based materials Marinalva Aparecida Alves-Rosa (Brasil) (1) UNESP/IQ; Alves-rosa, M.A.(1); Almeida, A.A.(1); Santos, R.(1); Pulcinelli, S.H.(1); Santilli, C.V.(1);
04:50 PM		04-054 - oral Evaluation of blended portland - pozzolan cements containing diatomaceous earth PEDRO CESAR RODRIGUES ALVES ABRAO (Brazil) (1) Poli-USP; Abrao, P.R.A.(1); Cardoso, F.A.(1); John,V.M.(1);

18, June - Cantata 2
Symposia: M - Green and Energy Efficient Processing

Time	Chair	
08:30 AM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-041 - Invited Recent developments in mineral-based eco-materials Agnes Smith (France) (1) IRCER; Smith, A.(1);
09:00 AM		13-058 - Invited Processing, Valorization and Application of Waste Derived from Silica and Alumina Denise Alves Fungaro (Brasil) (1) IPEN; Fungaro, D.A.(1);
09:30 AM		13-046 - oral Simple method for making formulations with several raw materials in masses for structural ceramic Francisco Rolando Valenzuela -Diaz (Brasil) (1) IFES; (2) Ifes; (3) EPUSP; Savazzini-reis, A.(1); Sagrillo, V.P.D.(2); Valenzuela -diaz, F.R.(3);
09:50 AM		13-048 - oral How the design of nanomaterials makes it possible to control the properties Sophie Cassaignon (France) (1) SU; Cassaignon, S.(1); Durupthy, O.(1); Portehault, D.(1);
10:10 AM		13-033 - oral Effect of collagen tipe I and vitamin D3 functionalization of biomimetic bioglass scaffolds on hydroxyapatite condensation. María Eugenia Contreras-García (Mexico) (1) UMSNH; Contreras-garcía, M.E.(1); Abad -javier, M.E.(1); Cajero -juarez, M.(1); Nuñez-anita, R.E.(1);
10:30am	Coffee	
10:50 AM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-012 - Invited Green ceramic membranes. From countryside to efficient industrial performance Enrique Sánchez (Spain) (1) University Jaume I; (2) FACSA; Sánchez, E.(1); Lorente, M.(1); Bordes, M.(1); Zuriaga, E.(2);
11:20 AM		13-060 - Invited Advanced processing strategies for the development of energy efficient devices with eco-friendly, natural materials Sonia Regina H Mello Castanho (Brasil) (1) IPEN; Mello Castanho, S.R.(1); Parra Silva, J.(1); Cardoso, S.(1);
11:50 AM		Plenary talk - André R. Studart

12:30:00	Lunch	
02:00 PM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-001 - Invited Electrochemical supercapacitors for energy storage prepared by colloidal nanotechnologies Igor Zhitomirsky (Canadá) (1) IZ; (2) JM; (3) AS; Zhitomirsky, I.(1); Milne, J.(2); Syed, A.(3);
02:30 PM		13-039 - Invited Solid oxide fuel cells with laser-patterned electrode-electrolyte interfaces Angel Larrea (Spain) (1) ICMA; Larrea, A.(1); Cebollero, J.(1); Lahoz, R.(1); Laguna -bercerero, M.(1); Silva, J.(1);
03:00 PM		13-059 - Invited Micrograded ceramic-metal composites Thomaz Augusto Guisard Restivo (Brazil) (1) UNISO; (2) IPEN; (3) Uniso; (4) EPUSP; (5) Ipen; Guisard Restivo, T.A.(1); Beccari, R.(1); Durazzo, M.(2); Telles, V.(3); Yamagata, C.(2); Silva, A.C.(2); Tenório, J.A.S.(4); Mello -castanho, S.R.H.(5);
04:00pm	Coffee-Break	

18, June - Prelúdio
Symposia: J - Frontiers of Glass Science

Time	Chair	
08:30 AM	Edgar Dutra Zanotto	10-030 - Invited Fragile-to-strong transitions in network glasses Pierre Lucas (United States) (1) PL; Lucas, P.(1);
09:00 AM		10-079 - Invited Open Questions in Glass Relaxation Mathieu Bauchy (Estados Unidos) (1) Y. H.; (2) T. B.; (3) M. M. S.; (4) M. B.; Hu, Y.(1); Bechgaard, T.(2); Smedskjaer, M.M.(3); Bauchy, M.(4);
09:30 AM		10-028 - Invited Structure-transport Correlation of Mixed Network Former Glasses Aswini Ghosh (India) (1) IACS; Ghosh, A.(1); Palui, A.(1);
10:00 AM		10-058 - Invited The model of ionic glass as weak electrolyte revisited Ana Candida Martins Rodrigues (Brasil) (1) UFSCar; Rodrigues, A.C.M.(1);

10:30am	Coffee	
10:50 AM	Edgar Dutra Zanotto	10-011 - oral Electrical properties of borosilicate glasses melted by cold crucible induction melter (CCIM) technology Dylan Jouglard (France) (1) CEA; (2) CEMHTI; Jouglard, D.(1); Neyret, M.(1); Malki, M.(2); Del Campo, L.(2);
11:10 AM		10-034 - oral Unravelling diffraction pattern of glass, liquids, and amorphous materials Shinnji Kohara (Japan) (1) SK; (2) YO; (3) ST; (4) AM; Kohara, S.(1); Onodera, Y.(2); Tahara, S.(3); Masuno, A.(4);
11:30 AM		10-077 - oral Structure-property relations in rare-earth doped GeO₂-B₂O₃-Al₂O₃-PbO-PbF₂ glasses by modern magnetic resonance techniques Eduar Enrique Carvajal (Columbia) (1) UFSCar; (2) USP; (3) University of Sao Paulo; Carvajal, E.E.(1); Doerenkamp, C.(2); Donoso, J.P.(2); De Camargo, A.(2); Eckert, H.(3);
11:50 AM		Plenary talk - André R. Studart
12:30:00	Lunch	



02:00 PM	Edgar Dutra Zanotto	10-029 - Invited Exploring the structure of glass-forming liquids using high energy X-ray diffraction, containerless methodology and state-of-the-art molecular dynamics simulation. Martin Charles Wilding (England) (1) UCL; (2) ANL; (3) MDI; (4) UO; (5) SUNY; Wilding, M.C.(1); Benmore, C.(2); Weber, R.(3); Alderman, O.(3); Tamalonis, A.(3); Wilson, M.(4); Parise, J.(5);
02:30 PM		10-023 - Invited Polyamorphic and rigidity transitions in glasses Matthieu Micoulaut (1) M; (2) JYR; (3) CY; Micoulaut, M.(1); Raty, J.(2); Yildirim, C.(3);
03:00 PM		10-068 - Invited Percolation channels: a universal idea to describe the atomic structure and dynamics of glasses and melts Daniel R. Neuville (France) (1) IPGP; (2) ; (3) A; Neuville, D.(1); Le Lo sq, C.(2); Chen, W.(2); Florian, P.(2); Massiot, D.(2); Zhou, Z.(2); Greaves, N.(3);
04:00pm	Coffee-Break	
04:30 PM	Edgar Dutra Zanotto	Poster Firetalks



**18, June - Canon
Symposia: K - Frontiers of Glass Technology**

Time	Chair	
08:30 AM	Mathieu Hubert	Invited Overview Brazilian glass industry
09:00 AM		11-018 - Invited Sustainability in Ocean Mining for the Production of Glass Sand Luciano Rocha (Brazil) (1) LR; (2) HD; Rocha, L.(1); Delboni Jr., H.(2);
09:30 AM		11-034 - oral Outlook and trends of glass recycling in Brazil Pedro Garcia Lins (Brazil) (1) USP; (2) CFB; Lins, P.G.(1); Toffoli, S.M.(1); Bernardo, F.S.(2);
09:50 AM		11-030 - oral Brazilian glass industry state of the art in bulk solids handling Rogerio Ruiz (Brazil) (1) J&J; (2) EDV; Ruiz, R.(1); Akerman, M.(2); Barnum, R.(1);
10:10 AM		11-019 - oral Creation of a Glass Technician Training Course in Brazil Mauro Akerman (Brasil) (1) EDV; (2) UFSCar; Akerman, M.(1); Rodrigues, A.C.M.(2);
10:30am	Coffee	

10:50 AM	Mathieu Hubert	<p>11-009 - oral</p> <p>Practical approach to secure furnace lifetime</p> <p>Oscar Verheijen (Netherlands)</p> <p>(1) OS; (2) J.; (3) AFJA; (4) SJAM;</p> <p>Verheijen, O.(1); Laven, J.(2); Habraken, A.(3); Lessmann, S.(4);</p>
11:10 AM		<p>11-025 - oral</p> <p>Evolution and Advancement of Oxy-Fuel Burner Technology for Glass Melting Furnaces</p> <p>Renato Pereira da Silva Junior (Brazil)</p> <p>(1) APB; (2) APCI;</p> <p>Silva Junior, R.P.(1); D'agostini, M.D.(2); Basilio, E.E.(1);</p>
11:30 AM		<p>11-017 - oral</p> <p>Design and implementation of optimelt™ thermochemical heat recovery system for oxy-fuel furnaces</p> <p>Abilio tasca (Brazil)</p> <p>(1) Mr; (2) Mr;</p> <p>Tasca, A.(1); Kobayashi, H.(2); Laux, S.(2); Bell, R.(2); Francis, A.(2);</p>
12:30:00	Lunch	
02:00 PM	Mathieu Hubert	<p>11-007 - Invited</p> <p>The smart factory concept used in glass furnaces.</p> <p>Gabriel Noboa (United States)</p> <p>(1) GS;</p> <p>Noboa, G.(1);</p>
02:30 PM		<p>11-014 - Invited</p> <p>High epsilon solution – high emissivity silica enables energy savings and emission reductions</p> <p>Peter Klaus Frolow (Germany)</p> <p>(1) DPF;</p> <p>Frolow, P.K.(1);</p>
03:00 PM		<p>11-021 - oral</p> <p>Fluoride loss in fluoride-phosphate glasses: dependence of composition and glass structure on preparation conditions</p> <p>Doris Möncke (Greece)</p> <p>(1) NHRF; (2) FSU;</p> <p>Möncke, D.(1); Ehrt, D.(2);</p>
03:20 PM		<p>11-015 - oral</p> <p>Current Status and Trends of Dental Glass-ceramics</p> <p>Maziar Montazerian (Brazil)</p> <p>(1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);</p> <p>Montazerian, M.(1); Villas Boas, M.(1); Eilaghi, M.(1); Sampaio, A.(1); Zanotto, E.D.(1);</p>
03:40 PM		<p>11-026 - oral</p> <p>Thermal performance labeling of fenestration and glazing for residential buildings in Brazil</p> <p>Fernando Simon Westphal (Brazil)</p> <p>(1) UFSC;</p> <p>Westphal, F.S.(1);</p>
04:00pm		Coffee-Break

04:30 PM	Mathieu Hubert	I 1-003 - Invited Recent developments on solar reflective glazed ceramic tiles Chiara Ferrari (Itália) (1) DIEF; Ferrari, C.(1); Muscio, A.(1); Siligardi, C.(1);
18, June - Allegro I Symposia: H - Electric and Magnetic Ceramics		
Time	Chair	
08:30 AM	José Antonio Eiras	08-004 - Invited Room-Temperature Multiferroic New Candidates in Hexagonal RFeO₃ Xiang Ming Chen (China) (1) XM; (2) J; (3) TL; (4) XQ; (5) H; (6) TT; Chen, X.(1); Liu, J.(2); Sun, T.(3); Liu, X.(4); Tian, H.(5); Gao, T.(6);
09:00 AM		08-018 - Invited Advances and challenges in the synthesis, characterization and application of BFO-based nanostructured ceramics IVAIR Aparecido SANTOS (Brazil) (1) UEM; Santos, I.A.(1);
09:30 AM		08-109 - oral Multiferroic properties of Eu-substituted BiFeO₃ fine-grained ceramics Vasile Adrian Surdu (Romania) (1) UPB; (2) INFIM; Surdu, V.A.(1); Ganea, P.(2); Kuncser, V.(2); Ianculescu, A.(1);
09:50 AM		08-027 - oral Nonlinear magnetic response of nanostructured BiFeO₃ Gustavo Sanguino Dias (Brazil) (1) UEM; (2) UFSCar; Volnistem, E.A.(1); Dias, G.S.(1); Leonardo, J.M.P.(1); Silva, D.M.(1); Garcia, D.(2); Eiras, I.A.(2); Santos, I.A.(1);
10:10 AM		08-048 - oral Grain size effect on the high field properties of (Ba,Ca)(Ti,Zr)O₃ ceramics Lavinia Curecheriu (Romania) (1) UAIC; (2) ICMATE; Curecheriu, L.(1); Buscaglia, M.T.(2); Canu, G.(2); Buscaglia, V.(2); Mitoseriu, L.(1);
10:30am	Coffee	

10:50 AM	José Antonio Eiras	08-047 - oral Cerium doped barium titanate ceramics prepared by the sol-gel method Catalina A STANCIU (Romania) (1) UPB; (2) NIMP; Stanciu, C.(1); Ianculescu, A.(1); Trusca, R.(1); Vasile, B.(1); Cernea, M.(2); Pintilie, I.(2);
11:10 AM		08-022 - oral Oxide transversal multilayer thermoelectric generators Jörg Töpfer (Germany) (1) JT; (2) TR; (3) TS; (4) AB; (5) BC; (6) ST; Töpfer, J.(1); Reimann, T.(2); Schulz, T.(3); Bochmann, A.(4); Capraro, B.(5); Teichert, S.(6);
11:30 AM		08-099 - oral Microstructural, structural and electrical properties of bilayered BaZr_{0.05}Ti_{0.95}O₃/Ba_{0.75}Sr_{0.25}TiO₃ ceramics Eduardo Antonelli (Brasil) (1) UNIFESP; Antonelli, E.(1); Serrano, A.G.(1); Boschilia Junior, R.(1); Boaventura, A.L.(1);
11:50 AM	Plenary talk - André R. Studart	
12:30:00	Lunch	
02:00 PM	José Antonio Eiras	08-081 - Invited Single phase multiferroic compounds by doping Bi₄Ti₃O₁₂ with Fe⁺³ ions Marcelo Stachiotti (Argentina) (1) IFIR; Stachiotti, M.(1); Lavado, C.(1); Rebola, A.(1);
02:30 PM		08-142 - Invited Ceramics materials structures, energy and fractal Vojislav V Mitic (Serbia) (1) 1; (2) 2; (3) 3; (4) 4; Mitic, V.(1); Paunovic, V.(2); Lazovic, G.(3); Kocic, L.(2); Vlahovic, B.(4);
03:00 PM		08-123 - oral Influence of the magnitude of the ferroelectric ordering on the optical properties of Pb(Ti Ni)O₃ and (K Ba)(Nb Ni)O₃ Manuel Henrique Lente (Brasil) (1) UNIFESP; (2) UFSCar; Lente, M.H.(1); Eiras, J.A.(2); De Abreu, P.T.P.(1); Vargas, N.F.C.(1); Gennari, R.C.(1); Lang, R.(1);
03:20 PM		08-041 - oral Structural and electromagnetic effects caused by the addition of niobium pentoxide in the cobalt ferrite Francisco Eduardo Carvalho (Brasil) (1) IEAv; (2) UNIFEI; (3) UA; Carvalho, F.E.(1); Lemos, L.V.(1); Migliano, A.C.C.(1); Da Silva, M.R.(2); Pullar, R.C.(3);
03:40 PM		08-051 - oral Modeling of The Tunability Properties and Switching Properties in Ferroelectric Ceramics with Different Grain Sizes Leontin Padurariu (Romania) (1) UAIC; Padurariu, L.(1); Curecheriu, L.(1); Ciomaga, C.(1); Mitoseriu, L.(1);

04:00pm	Coffee-Break	
04:30 PM	José Antonio Eiras	08-151 - Invited Ultra-Low Temperature Co-fired Ceramics with Zero-Shrinkage Approach (Invited Lecture) Heli Maarit Jantunen (Finland) (1) Oulu; Jantunen, H.M.(1);
05:00 PM		08-012 - oral A mesoscopic description of PLZT relaxor ceramics using Rietveld refinement parameters Eriton R Botero (Brasil) (1) UFGD; (2) UFSCar; Botero, E.(1); Garcia, D.(2);
05:20 PM		08-083 - oral First-order hybrid improper ferroelectric phase transition in (Sr,Ca)3Sn2O7 ceramics Xiao Qiang Liu (China) (1) XQ; (2) JJ; (3) XM; Liu, X.(1); Lu, J.(2); Chen, X.(3);



18, June - Allegro 2
Symposia: F - Ceramics for energy and environment

Time	Chair	
08:30 AM	Vincenzo Esposito	06-227 - Invited Optimization of SOC electrodes performance for fuel cell and co-electrolysis operation Mihails Kusnezoff (Germany) (1) MK; (2) NT; (3) SM; (4) AM; Kusnezoff, M.(1); Trofimenko, N.(2); Megel, S.(3); Michaelis, A.(4);
09:00 AM		06-180 - oral Advanced Ceramics for Energy Systems and Environmental Technology Alexander Michaelis (Germany) (1) AM; Michaelis, A.(1);
09:20 AM		06-049 - oral Innovative microstructure and architecture in efficient La_{2-x}Pr_xNiO_{4+d} based SOFC Cathodes Elisabeth Djurado (França) (1) CNRS, Grenoble INP; Djurado, E.(1); Khamidy, N.I.(1); Sharma, R.(1);
09:40 AM		06-160 - oral The influence of porosity on mechanical strength and electrical conductivity of NiO-3,5YSZ composite and its Ni-3,5YSZ cermet for SOFC anode application Ihor Polishko (Ukraine) (1) IPMS; (2) PMI; Polishko, I.(1); Brodnikovskiy, Y.(1); Brodnikovskiy, D.(1); Vasylyv, B.(2); Podhurska, V.(2); Vasylyev, O.(1);
10:00 AM		06-181 - Invited Oxygen Ion-Conducting Ceramic Membranes for High-Temperature Applications Olivier Guillon (Germany) (1) RWTH; (2) JARA-Energy; (3) JARA-Energy and RWTH; Guillon, O.(1); Baumann, S.(2); Liu, Y.(2); Schulze -kuppers, F.(2); Deibert, W.(2); Ivanova, M.(2); Unije, U.(2); Mücke, R.(2); Meulenberg, W.(3);
10:30am	Coffee	

Oral



10:50 AM	Vincenzo Esposito	06-220 - oral A geometric characterization and modelling of microstructure development for ceramics composites BaZr _{0,9} Y _{0,1} O _{3-?} + BaCe _{0,9} Y _{0,1} O _{3-?} (BCY-BZY) Huyra Esteveao Araujo (Brazil) (1) IFSP; Araujo, H.E.(1);
11:50 AM		Plenary talk - André R. Studart
12:30:00	Lunch	
02:00 PM	Vincenzo Esposito	06-081 - Invited Glass-based seals and ceramic protective coatings for solid oxide cells: current status, issues and perspectives Federico Smeacetto (Italy) (1) ; Smeacetto, F.(1);
02:30 PM		06-229 - Invited 3D Printing of functional multi-ceramics for Solid Oxide Fuel Cells applications Marc Torrell (Spain) (1) IREC; (2) DTU; (3) 3dCeram; (4) ULL; (5) PromPart; (6) FAE; (7) HyGear; (8) Saan; Torrell, M.(1); Morata, A.(1); Esposito, V.(2); Chaput, C.(3); Hernandez, L.(4); Crawshaw, C.(5); Ramos, F.(6); Liefthink, D.(7); Ansar, S.(8); Tarancón, A.(1);
03:00 PM		06-018 - Invited Ceramic batteries for electrochemical energy storage Sven Uhlenbruck (Germany) (1) SU; (2) CD; (3) CT; (4) AW; (5) SL; (6) ; (7) DF; (8) OG; Uhlenbruck, S.(1); Dellen, C.(2); Tsai, C.(3); Windmüller, A.(4); Lobe, S.(5); Finsterbusch, M.(6); Fattakhova-rohlfing, D.(7); Guillon, O.(8);
03:30 PM		06-182 - oral Electrochemical properties of NASICON-structured glass-ceramics of the Li _{1+x} Cr _x (Ge _y Ti _{1-y}) _{2-x} (PO ₄) ₃ system Rafael Bianchini Nuernberg (Brasil) (1) UFSCar; (2) UM; Nuernberg, R.B.(1); Rodrigues, A.C.M.(1); Pradel, A.(2); Ribes, M.(2);
04:00pm		Coffee-Break

18, June - Vivace I
Symposia: R - Polymer - derived ceramics development and applications

Time	Chair	
08:30 AM	Günter Motz / Samuel Bernard	18-063 - Invited Silicon Oxycarbide Glasses and Glass-Ceramics: "All-Rounder"- Materials for Advanced Structural and Functional Applications Ralf Riedel (Alemanha) (1) TUD; Riedel, R.(1); Ionescu, E.(1);
09:00 AM		18-029 - Invited Formation of Graphene Networks in Silicon Oxycarbide Ceramics Peter Kroll (1) pk; Kroll, P.(1);
09:30 AM		18-018 - oral Silicon Oxycarbide Micro and Nanostructured Electrodes for Electrochemical Energy Storage Gurpreet Singh (United States) (1) UNIPD; (2) KSU; Singh, G.(1); Colombo, P.(2); Francin, G.(2); Cuccato, R.(2); Mukherjee, S.(1); Abass, M.(1);
09:50AM		18-042 - oral From design to application of TiC(N)/SiC(N) Nanocomposites derived from preceramic polymers Maxime Balestrat (France) (1) IRCER; (2) IEM; Balestrat, M.(1); Cretin, M.(2); Bernard, S.(1);
10:10 AM		18-007 - oral Development of novel carbon-based fibers with remarkable oxidation resistance Luiz Fernando Belchior Ribeiro (Brasil) (1) UFSC; (2) UBT; (3) UNILIM; Ribeiro, L.F.B.(1); Motz, G.(2); Bernard, S.(3); Hotza, D.(1); Machado, R.A.(1);
10:30am	Coffee	
10:50 AM	Günter Motz / Samuel Bernard	18-027 - Invited Polysiloxane-based ceramic tapes applied for membrane emulsification process Michaela Wilhelm (Germany) (1) UFSC; (2) Uni Bremen; Nishihora, R.K.(1); Hotza, D.(1); Rezwan, K .(2); Wilhelm, M.(2);
11:20 AM		18-015 - Invited Micro- and macropore-tailoring strategies in polysilazane-derived ceramic materials Thomas Konegger (Austria) (1) TUW; Konegger, T.(1); Drechsel, C.(1); Prochaska, T.(1); Rauchenecker, J.(1);

Oral

11:50 AM	Plenary talk - André R. Studart	
12:30:00	Lunch	
02:00 PM	Günter Motz / Samuel Bernard	18-054 - Invited High temperature oxidation behaviour of thick polymer derived glass-ceramic coatings on stainless steel Dusan Galusek (Slovakia) (1) SAS; (2) TnUAD; (3) CME; Galusek, D.(1); Parchoviansky, M.(2); Svancarek, P.(1); Galuskova, D.(2); Motz, G.(3); Barosso, G.(3); Petrikova, I.(2);
02:30 PM		18-064 - Invited Industrial Synthesis and Applications of Silazane Resins and Formulations Ralf Grottenmüller (Alemanha) (1) KGaA; Grottenmüller, R.(1);
03:00 PM		18-021 - oral Polysilazane derived ceramic oxidation barrier coatings on MoSiB alloys Iryna Smokovych (Germany) (1) OvGU Magdeburg; Smokovych, I.(1); Scheffler, M.(1);
03:20 PM		18-011 - oral Influence of BIAS voltage and pulse time on the active-filler conversion of Polymer derived Ceramic coatings processed by Plasma Assisted Pyrolysis. Daniel Auri Schaefer (Brasil) (1) UFSC; (2) UBT; Schaefer, D.A.(1); Leite, M.L.(2); Seifert, M.(2); Martins, N.(1); Klein, A.N.(1); Motz, G.(2);
03:40 PM		18-022 - oral Synthesis and Application on metal substrates of ML33 functionalized with Silver Nanoparticles to evaluate antibacterial activity Suellen Battiston (Brazil) (1) UFSC; (2) UNILIM; Battiston, S.(1); Bezerra, A.V.A.(1); Ribeiro, L.F.B.(1); Reis, E.M.(1); Bernard, S.(2); Machado, R.A.(1);

04:00pm	Coffee-Break	
04:30 PM	Günter Motz / Samuel Bernard	18-040 - oral Recent Advances in synthesis of pure h-BN nanosheets by coupling Berangere TOURY (France) (1) INSA; (2) UDL; Tourey, B.(1); Li, Y.(2); Garnier, V.(2); Steyer, P.(2); Journet, C.(1);
04:50 PM		18-055 - oral New atomic layer deposition approach of boron nitride based on polymer derived ceramics route: Potentiality for functional complex nanostructure fabrication Catherine Marichy (France) (1) LMI UMR5615; Marichy, C.(1); Hao, W.(1); Journet, C.(1); Brioude, A .(1);
05:10 PM		18-053 - oral Low temperature design of polymer-derived hexagonal boron nitride Samuel Bernard (France) (1) IRCER; Bernard, S.(1); Lale, A.(1);

18, June - Vivace 2
Symposia: B - Advances in Bioceramics

Time	Chair	
08:30 AM		Openig Section
08:50 AM	Juliana Marchi	02-070 - Invited Novel bioactive ceramic and glass-ceramic compositions for bone regeneration Ilaria Cacciotti (Italy) (1) ; Cacciotti, I.(1);
09:20 AM		02-092 - oral Influence of Na₂O/CaO ratio on the dissolution kinetics of biocompatible glasses Juliana Marchi (Brasil) (1) UFABC; (2) IPEN; Marchi, J.(1); Borges, R.(1); Zezell, D.M.(2); Lima, C.A.(2);
09:40 AM		02-096 - Invited Biosilicate, a highly bioactive glass-ceramic; FI8, a new bioactive crystallization resistant glass Edgar Dutra Zanotto (Brasil) (1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (2) UFSCar; Zanotto, E.D.(1); Peitl, O.(2); Souza, M.T.(2); Crovace, M.(2);
10:10 AM		02-028 - oral 3D printing of bioactive glass scaffolds with porosity gradient for bone tissue engineering Francesco Baino (Italy) (1) POLITO; (2) TUT; Baino, F.(1); Barberi, J.(1); Massera, J.(2); Verné, E.(1);

10:30am	Coffee	
10:50 AM	Juliana Marchi	02-006 - oral Probing local environments in calcium pyrophosphate-based glasses for bone regeneration combining advanced characterization methods and computational modelling Christel Gervais (França) (1) UPMC; (2) ICGM; (3) ENSIACET; (4) UNT; Gervais, C.(1); Bonhomme, C.(1); Petit, I.(1); Sassoie, C.(1); Laurencin, D.(2); Combes, C.(3); Mayen, L.(3); Soulie, J.(3); Rimsza, J.(4); Du, J.(4);
11:10 AM		02-052 - oral Characterization of thin films of Ag-doped TiO2 with antimicrobial properties for use in orthodontic products Ellen Lopes Alves (Brazil) (1) UFOP; Alves, E.L.(1);
11:30 AM		02-017 - oral Fabrication and characterization of porous glass-ceramics as novel orbital implant materials Francesco Baino (Italy) (1) POLITO; (2) CNR; Baino, F.(1); Gautier Di Conflengo, G.(2); Faga, M.G.(2);
11:50 AM		Plenary talk - André R. Studart
12:30:00	Lunch	



02:30 PM	Juliana Marchi	02-023 - oral Novel process of non-sintered HAp/SF biocomposite for bone regeneration Sergio Akinobu Yoshioka (Brasil) (1) PPGIB - USP; (2) USP; (3) JHS; Vieira, D.(1); Gutiérrez, S.(2); Castro Máximo Bicalho, S.M.(3);Yoshioka, S.A.(2);
02:50 PM		02-024 - oral Hydrogel Grafted on Boron Nitride Nanotubes: Preparation, Characterization and Potential Use as Drug Delivery System Tests Gabriel Augusto Alemão Monteiro (Brazil) (1) CDTN; (2) UFMG; Monteiro, G.A.A.(1); Silva, W.M.(1); Sousa, R.G.(2); Macedo, W.A.A.(1); Gaste lois, P.L.(1); Sousa, E.M.B.(1);
03:10 PM		02-091 - oral Synthesis and characterization of a nanocomposite based on bioactive glasses containing superparamagnetic iron oxide nanoparticles aiming bone tumor treatment Roger Borges (Brasil) (1) UFABC; Borges, R.(1); Lourenço, I.M.(1); Seabra, A.B.(1); Ferreira, L.M.(1); Rettori, C.(1); Marchi, J.(1);
03:30 PM		02-036 - Invited Bioactive ceramics based on CaMg(SiO3)2 Carmen Baudin (Espanha) (1) ICV-CSIC; (2) BioMediTech; Baudin, C.(1); Vanhatupa, S.(2); Miettinen, S.(2); Pena, P.(1);
04:00pm		Coffee-Break
04:30 PM	Juliana Marchi	02-060 - Invited Two Decades of Commercializing Bioceramic Nanotechnology for Improved Medical Devices Thomas J Webster (United States) (1) TJW; Webster,T.(1);
05:00 PM		02-058 - Invited Microstructured and Nanostructured Diamond for Medical Applications Roger J Narayan (United States) (1) NCSU; Narayan, R.(1);

19, June - Sonata 2
Symposia: N - High and Ultra High Temperature Ceramics

Time	Chair	
08:30 AM	William (Bill) E. Lee / Victor C. Pandolfelli Jon Binner / Christos Aneziris	14-002 - Invited High and Ultra-High Temperature Ceramic Matrix Composites Jon Binner (Inglaterra) (1) UoB; (2) NCC; Binner, J.(1); Rubio, V.(1); Porter, M.(1); D'angio, A.(2); Hillman, W.(1);
08:55 AM		14-049 - Invited Material design of and processing of sustainable compositions in the Alumina-Calcium field for Ultra High temperature applications christopher parr (France) (1) ; Parr, c.(1);
09:20 AM		14-018 - Invited Structural Stability of UHTCs at Extreme Environments Doni Daniel Jayaseelan (Inglaterra) (1) KU; (2) ICL; (3) QMUL; (4) UTEP; Jayaseelan, D.D.(1); Zapata -solvas, E.(2); Grasso, S.(3); Iasi, C.(1); Valenzuela, E.(1); Cedillos-barraza, O.(4); Lee, W.E.(2);
09:45 AM		14-008 - Invited Tungsten-based ceramic composites in extreme fusion reactor environments Samuel Humphry-Baker (1) ICL; (2) TE; Humphry-baker, S.(1); Smith, G.(2); Lee, B.(1); Vandeperre, L.(1);
10:10 AM		14-075 - oral Mechanical properties and oxidation resistance of ZrB₂-SiC composites prepared with nano-sized particles by spark plasma sintering Xiaochao Jin (China) (1) JX; (2) LP; (3) WX; (4) FX; (5) WT; Jin, X.(1); Li, P.(2); Wang, X.(3); Fan, X.(4); Wang, T.(5);
10:30am	Coffee	
10:50 AM	William (Bill) E. Lee / Victor C. Pandolfelli Jon Binner / Christos Aneziris	14-001 - Invited Creep of HfB₂-based UHTCs up to 2000 °C or how important structural/dimensional stability could be on hypersonic applications Eugenio Zapata-Solvas (Inglaterra) (1) ICL; (2) US; Zapata-solvas, E.(1); Gomez-garcia, D.(2); Dominguez -rodriguez, A.(2); Lee, B.(1);
11:10 AM		14-054 - Invited Spark plasma sintering of textured GNPs reinforced advanced ceramic matrices Jacques RENNOTTE (Belgium) (1) BCRC; Rennotte, J.(1); Bister, G.(1); Erauw, J.(1); Dupont, V.(1); Lardot, V.(1); Cambier, F.(1);
11:30 AM		14-016 - oral Cost-effective production and oxidation protection of CFCC's for moderate and high temperature applications Stefano Martelli (Itália) (1) SM; (2) DLB; Martelli, S.(1); De Bastiani, D.(2);

11:50 AM		Plenary talk - Edgar Dutra Zanotto
12:30 PM	Lunch	
02:00 PM	William (Bill) E. Lee / Victor C. Pandolfelli Jon Binner / Christos Aneziris	14-029 - Invited Design Silicon Nitride Ceramics for Energy Technology Applications Hua-Tay Lin (China) (1) ; Lin, H.(1);
02:25 PM		14-022 - Invited Progress of Silicon Nitride Ceramics, Microstructure Evolution and Mechanical/Thermal Properties Tatsuki Ohji (Japan) (1) AIST; Ohji, T.(1);
02:50 PM		14-043 - Invited New nitrides and carbides for high temperature application Pavol Sajgalik (Slovakia) (1) IIC SAS; Sajgalik, P.(1);
03:15 PM		14-071 - Invited Thermal Transport in SiBN ceramics: Density Functional Theory Calculations and Molecular Dynamics Simulations Peter Kroll (1) pk; Kroll, P.(1);
03:40 PM		14-041 - Invited Hermetic ceramic feedthroughs for sensors used in extreme environments Donald J BRAY (United States) (1) ; Patnaik, A.(1); Sarker,V.(1); Antalek, J.(1); Bakshi, A.(1); Bray , D.(1);
04:00 PM	Coffee-Break	

04:30 PM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-006 - Invited A new non-classified, pollution resistant high temperature insulation fibre Farid Modarresifar (1) ; (2) CoE; Wynn, A.(1); Jubb, G.(2); Modarresifar, F.(2);
04:50 PM		14-066 - Invited Eco design of insulating ceramic foams for high temperature application Vania Regina Salvini (Brazil) (1) FATEC; (2) UFSCar; Salvini, V.R.(1); Pandolfelli, V.C.(2); Rodrigues, J.A.(2); Pelissari, P.B.G.B.(2); Santos Junior, T.(2);
05:10 PM		14-057 - Invited High temperature ceramic coatings for energy saving applications Eric Yoshimitsu Sako (Brazil) (1) UFSCar; Sako, E.Y.(1); Pandolfelli, V.C.(1); Pelissari, P.B.G.B.(1); De Meo, C.E.(1);

19, June - Minueto
Symposia: Engineering Ceramics, Mechanical Behavior and Fractography

Time	Chair	
08:30 AM	Humberto N. Yoshimura	09-096 - Invited Optical and luminescent properties of translucent YSZ ceramics manufactured using dry powder compaction under powerful ultrasound assistance Oleg L. Khasanov (Russia) (1) TPU; Khasanov, O.(1); Dvilis, E.(1); Paygin, V.(1); Polisadova, E.(1); Stepanov, S.(1); Valiev, D.(1); Tolkachev, O.(1);
09:00 AM		09-095 - oral Optimization of modes of spark plasma sintering of transparent MgAl₂O₄ ceramics Oleg L. Khasanov (Russia) (1) TPU; Khasanov, O.(1); Dvilis, E.(1); Polisadova, E.(1); Stepanov, S.(1); Valiev, D.(1); Paygin, V.(1);
09:20 AM		09-012 - oral Lithium as a sintering aid for producing dense transparent Magnesium Aluminate Spinel Lorena Batista Caliman (Brasil) (1) USP; Caliman, L.B.(1); Gouvêa, D.(1);
09:40 AM		09-119 - oral Zirconia ceramics for dental restorations: trade-off between strength, stability and translucency Fei Zhang (1) FZ; (2) JC; (3) JV; (4) BVM; Zhang, F.(1); Chevalier, J.(2); Vleugels, J.(3); Van Meerbeek, B.(4);
10:00 AM		09-093 - Invited Fabrication of transparent polycrystalline cubic silicon nitride and its physical properties Norimasa Nishiyama (Japan) (1) NN; (2) FW; Nishiyama, N.(1); Wakai, F.(2);

10:30 AM	Coffee	
10:50 AM	Humberto N. Yoshimura	09-067 - oral Surface segregation of BaO-doped TiO₂ and its relationship with nanostability Andre Luiz da Silva (Brasil) (1) USP; Da Silva, A.L.(1); Gouvêa, D.(1);
11:10 AM		09-029 - Invited Improved toughness in nanocrystalline ceramics by grain boundary energy engineering Ricardo Hauch Ribeiro Castro (Estados Unidos) (1) UC Davis; (2) Illinois; Castro, R.H.R.(1); Bokov, A.(1); Zhang, S.(1); Faller, R.(1); Dillon, S.(2); Feng, L.(2);
11:50 AM	Plenary talk - Edgar Dutra Zanotto	
12:30 PM	Lunch	
02:00 PM	Humberto N. Yoshimura	09-083 - Invited Grain boundary strength in porous SiC ceramics measured using microcantilever beam specimens Junichi Tatami (Japan) (1) YNU; (2) KISTEC; Tatami, J.(1); Iijima, M.(1); Takahashi, T.(2); Imoto, Y.(1); Yahagi, T.(2);
02:30 PM		09-034 - oral Influence of the carbon content and the coking temperature on the temperature dependent strength of carbon-bonded alumina (Al₂O₃-C) Henry Zielke (Germany) (1) TU BA Freiberg; (2) TU B Freiberg; Zielke, H.(1); Schmidt, A.(1); Wetzig, T.(1); Abendroth, M.(1); Kuna, M.(1); Aneziris, C.(2);
02:50 PM		09-094 - oral The influence of the coarse grain fraction on the microstructure and effective thermal conductivity of alumina castables Jens Fruhstorfer (1) TUBAF; Fruhstorfer, J.(1); Goetze, P.(1); Gross, U.(1); Fieback, T.(1); Aneziris, C.(1);
03:10 PM		09-118 - oral Finite-element analyses of the pressing of ceramic components Caiuã Caldeira Melo (Brazil) (1) UFSCar; Melo, C.C.(1); Canto, R.B.(1); Maginador, R.V.(1); Sciuti, V.F.(1);
03:30 PM		09-114 - oral The Influence of the Silica Fume Content on the Mechanical Behavior and Fracture Toughness of the Portland Cement Concrete Applied on the Rigid Road Pavement. Joamir Henrique da Silva (Brasil) (1) UFSC; (2) UFRN; Silva, W.S.(1); Silva, J.H.(2);

04:00 PM	Coffee-Break	
04:30 PM	Humberto N. Yoshimura	09-032 - oral Effects of the addition of egg shell in the mechanical properties of sintered ceramics Victor Antunes Silva Barbosa (Brazil) (1) IFBA; Vargens Neto, o.c.(1); Leão, M.A.(1); Da Conceição, A.R.(1); Barbosa, V.A.S.(1); Costa, C.(1);
04:50 PM		09-030 - oral Study of emerald waste added to ceramic mass for ceramic coating manufacturing olimpio baldoino da costa vargens neto (Brazil) (1) IFBA; Vargens Neto, o.c.(1); Barbosa, V.A.S.(1); Leão, M.A.(1); Santos, O.C.(1); Da Conceição, A.R.(1);
05:10 PM		09-035 - oral Analysis of the resistance of adherence of ceramic plates, produced with different cycles of burn, through the simple and double collage Guilherme Timboni Teixeira (Brazil) (1) UNESC; (2) UFSC; Antunes, E.G.P.(1); Teixeira, G.T.(1); Wanderlind, A.(1); Piva, J.H.(1); Bernardin , A.M.(1); Roman, H.R.(2);

19, June - Cantata I
Symposia: D - Cements and geopolymers

Time	Chair	
08:50 AM	Rafael G. Pileggi	04-036 - oral Evaluation of the pozzolanicity of fine fraction of civil construction waste (FCCW) Nilson Santana de Amorim Júnior (Brasil) (1) UFBA; Amorim Júnior, N.S.(1); Andrade Neto, J.S.(1); Santos, T.A.(1); Ribeiro, D.V.(1);
09:10 AM		04-031 - oral Analyze of hydration process of cement of clinker co-processed with tio2 waste José da Silva Andrade Neto (Brasil) (1) UFBA; Andrade Neto, J.S.(1); Mariani, B.B.(1); Amorim Júnior, N.S.(1); Ribeiro, D.V.(1);
09:30 AM		Invited Vanderley M John (Poli-USP) Microstructure of cementitious materials with different filler content
09:50 AM		Invited Bernhard Middendorf (Universität Kassel)

10:30 AM	Coffee	
10:50 AM	Rafael G. Pileggi	Invited Carlos J Massucato - Intercement
11:15 AM		Invited Sílvia R Vieira - Votorantim
11:40 AM		Debate
11:50 AM	Plenary talk - Edgar Dutra Zanotto	
12:30 PM	Lunch	
02:00 PM	Rafael G. Pileggi	04-021 - oral Mechanical response of distinct geopolymer mixtures reinforced with pva fibers Ana Carolina Constância Trindade (Brasil) (1) PUC-Rio; (2) CEFET-MG; Trindade, A.C.(1); Batista, R.P.(2); Borges, P.R.(2); Silva, F.A.(1);
02:20 PM		04-104 - oral Paper and cellulose wastes as raw materials for geopolymers Rafael Vidal Eleutério (Brazil) (1) UFSC; (2) Klabin; Eleutério, R.V.(1); Lemes Rachadel, P.(1); Hotza, D.(1); Zanlorenzi, H.(2);
02:40 PM		Invited Mohend Chaouche (CNRS - ENS Cachan)
03:20 PM		04-093 - Invited Development of Synthetic Ceramic Proppants from Geopolymer and Nanocarbon Materials Guilherme Frederico Bernardo Lenz e Silva (Brasil) (1) PMT-USP; De Campos, V.P.P.(1); Lenz E Silva, G.F.B.(1);

04:00 PM	Coffee-Break	
04:30 PM	Rafael G. Pileggi	04-049 - oral Treatment of red mud with blast furnace slag followed by calcination: impact on the chemical reaction and leaching after association with Portland cement Roberto Cesar de Oliveira Romano (Brasil) (1) USP; Romano, R.C.O.(1); Bernardo, H.M. (1); Maciel, M.H.(1); Mesquita, J.A.F.S.(1); Roschel, B.P.(1);Vieira -coelho, A.C.(1); Pileggi, R.G.(1); Cincotto, M.A.(1);
04:50 PM		04-088 - oral The potential use of the alkaline waste from the aluminum industry as aluminum and silicon source in the geopolymerization process Mirian Chieko Shinzato (Brazil) (1) UNIFESP; (2) IPEN; Shinzato, M.C.(1);Almeida, T.M.(1); Guedes -silva, C.C.(2); Silva, E.F.S.(1);
05:10 PM		Invited Poster short presentations

19, June - Cantata 2
Symposia: M - Green and Energy Efficient Processing

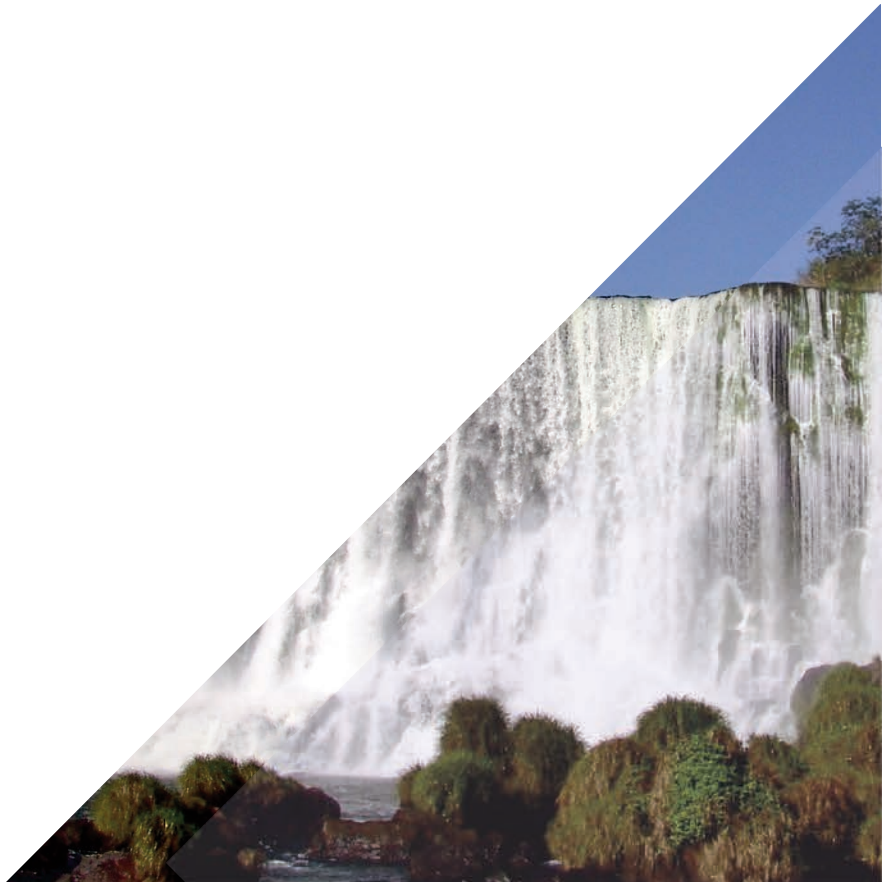
Time	Chair	
08:30 AM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-018 - Invited Sugar-based compounds as the additives of the future in colloidal processing of ceramics Paulina Wiecinska (Poland) (1) WUT; Wiecinska, P.(1); Pietr zak, E.(1); Poterala, M.(1); Wiclaw -midor, A.(1);
09:00 AM		13-045 - Invited Optimization of water based Y-TZP/Al₂O₃/SiC feedstocks for suspension plasma spraying Rodrigo Moreno (Espanha) (1) ITC; (2) ICV; Carnicer,V.(1); Sánchez, E.(1); Orts, M.(1); M oreno, R.(2);
09:30 AM		13-016 - oral Innovative aqueous alumina mixtures using eco-friendly additives for micro-extrusion and tape casting Julie Bourret (France) (1) IRCER; Bourret, J.(1); Marie, J.(1); Geffroy, P.(1); El Younsi, I.(1); Chartier, T.(1); Pateloup, V.(1); Smith, A.(1); Chaleix, V.(1); Bienia, M.(1);
09:50 AM		13-003 - oral "Plasma Melting Technology – a novel route to Ceramic tubes" Lars Ortmann (Alemanha) (1) 98704; Ortmann, L.(1);
10:10 AM		13-024 - oral Pulsed laser ablation in supercritical CO₂ to synthesize photocatalytically active TiO₂ nanoparticles Amandeep Singh (Finland) (1) TUT; (2) ; Singh, A.(1); Levänen, E.(1); Honkanen, M.(1); Vihinen, J.(2); Salminen, T.(1); Nikkanen, J.(1); Hyvärinen, L.(1);

10:30 AM	Coffee	
10:50 AM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-019 - Invited Porous Ceramic Architectures for Sustainability Katherine T. Faber (United States) (1) Caltech; (2) NU; (3) FAU; Faber, K.(1); Naviroj, M.(2); Fey, T.(3);
11:20 AM		13-040 - Invited Processing of hierarchically porous ceramics by rapid thermal processing Farid Akhtar (Sweden) (1) LTU; Akhtar, F.(1);
11:50 AM		Plenary talk - Edgar Dutra Zanotto
12:30 PM	Lunch	
02:00 PM	Rodrigo Moreno / Sonia R. H. Mello Castanho	13-038 - Invited Microwave and Flash Processing of 3D Printed Ceramics Bala Vaidhyanathan (United Kingdom) (1) B; Vaidhyanathan, B.(1);
02:30 PM		13-042 - Invited Advanced processing of ceramic-metal composites with enhanced functionalities José Florindo Bartolomé (Espanha) (1) ICMC-CSIC; Bartolomé, J.F.(1);
03:00 PM		13-015 - oral Modern material preparation in ceramics: Dispersing mixer – a tried and tested solution that is suitable for processing slurries and suspensions for the ceramic universe Alban Bunjaku (Germany) (1) JC; (2) BUA; Cardoso, J.(1); Bunjaku, A.(2);
04:00 PM	Coffee-Break	

19, June - Prelúdio
Symposia: J - Frontiers of Glass Science

Time	Chair	
08:30 AM	Edgar Dutra Zanotto	10-056 - Invited Fracture of Sodium-Silicate Glasses: Insights from computer simulations Walter Kob (France) (1) UM; Kob, W.(1); Zhang, Z.(1); Ispas, S.(1);
09:00 AM		10-015 - Invited In-situ evaluation of structural changes of glass under a sharp indenter Satoshi Yoshida (Japan) (1) USP; Yoshida, S.(1); Nguyen, T.(1); Yamada, A.(1); Matsuoka, J.(1);
09:30 AM		10-002 - Invited Indentation Deformation and Crack Resistance of Oxide Glasses Morten Mattrup Smedskjaer (Dinamarca) (1) M. M. S.; (2) K. J.; Smedskjaer, M.M.(1); Januchta, K.(2);
10:00 AM		10-009 - Invited Mechanical Properties of Glass-Ceramics Francisco C. Serbena (Brazil) (1) UEPG; (2) UFSCar; Serbena, F.(1); Zanotto, E.D.(2);
10:30 AM	Coffee	
10:50 AM	Edgar Dutra Zanotto	10-001 - oral Tuning Mechanical Properties of Aluminoborate Glasses by Modifier Substitution Kacper Januchta (Dinamarca) (1) K. J.; (2) K. F. F.; (3) M. B.; (4) R. E. Y.; (5) M. M. S.; Januchta, K.(1); Frederiksen, K.F.(2); Bauchy, M.(3); Youngman, R.(4); Smedskjaer, M.M.(5);
11:10 AM		10-020 - oral Thermally and Optical Stimulated Luminescence studies in oxyfluoride glasses and glass-ceramics Mauricio Rodriguez (Uruguay) (1) UdelaR; Rodriguez, M.(1);
11:30 AM		10-045 - oral Phosphotellurite glass and glass-ceramics with high TeO₂ content: thermal, structural and optical investigations Danilo Manzani (Brazil) (1) IQSC-USP; (2) IQ-UNESP; (3) DF-UFPE; Manzani, D.(1); Fares, H.(2); Reyna, A.(3); Neto, M.(3); Bautista, J.E.Q.(3); Nalin, M.(2); Ribeiro, S.J.L.(2); De Araújo, C.B.(3);

11:50 AM	Plenary talk - Edgar Dutra Zanotto	
12:30 PM	Lunch	
02:00 PM	Edgar Dutra Zanotto	10-027 - Invited Strategies towards highly luminescent quantum dots in glasses Chao Liu (China) (1) WUT; Liu, C.(1); Zhao, X.(1); Han, J.(1);
02:30 PM		10-037 - Invited Challenges with processing and performance of high level nuclear waste glasses: Past, present and future Ashutosh Goel (United States) (1) Rutgers; (2) WSU; (3) U.S. DOE; Goel, A.(1); Mccloy, J.(2); Kruger, A.(3);
03:00 PM		10-032 - Invited Glass sintering with concurrent crystallization and foaming Ralf Mueller (Germany) (1) BAM; Mueller, R.(1);
04:00 PM	Coffee-Break	



**19, June - Canon
Symposia: Q - Porous and Cellular Ceramics**

Time	Chair	
08:30 AM	Fernando dos Santos Ortega	17-087 - oral Novel tubular alumina substrates produced by the freeze-casting method Daniel Dornellas Athayde (Brasil) (1) UFMG; Athayde, D.D.(1); Sousa, B.M.(1); Vasconcelos, W.L.(1);
08:50 AM		17-080 - oral Alumina porous microspheres produced by snowballing technique, a new approach towards developing a suitable ceramic column for Tc-99m generators and other applications. Kalan Bastos Violin (Brazil) (1) IPEN; (2) UFABC; Violin, K.B.(1); Goia, T.S.(2); Bressiani, A.H.A.(1); Bressiani, J.(1);
09:10 AM		17-052 - oral Impact of annealing on physicochemical features of silver silica ceramic nanocomposite Mateusz Dulski (Poland) (1) M.D.; (2) J.P.; (3) A.N.; (4) M.Z.; (5) M.W.; (6) J.W.; (7) K.D.; Dulski, M.(1); Peszke, J.(2); Nowak, A.(3); Zubko, M.(4); Wojtyniak, M.(5); Wlodarczyk, J.(6); Dudek, K.(7); Podwómy, J.(2);
09:30 AM		17-028 - oral Influence of sulfate content in structural and porous characteristics of sulfated tin oxide ceramics Sandra Helena Pulcinelli (Brasil) (1) UNESP/IQ; Alves-rosa, M.A.(1); Manaia, E.(1); Pavan, M.(1); Santilli, C.V.(1); Pulcinelli, S.H.(1);
09:50 AM		17-019 - Invited Effect of Microstructure on the Properties of Porous Ceramics Sawao HONDA (Japan) (1) NITech; Honda, S.(1); Daiko, Y.(1); Hashimoto, S.(1); Iwamoto, Y.(1);
10:30 AM	Coffee	
10:50 AM	Fernando dos Santos Ortega	17-077 - oral From the synthesis of boron-modified silicon carbide and silicon carbonitride precursors to the design of porous structures Samuel Bernard (France) (1) IRCER; Bernard, S.(1);
11:10 AM		17-029 - Invited Water Treatment with Recrystallized Silicon Carbide (R-SiC) Filters Adrien Vincent (1) Saint-Gobain CREE, Cavaillon, France; (2) Saint-Gobain IndustrieKeramik, Rödental, Germany; (3) Saint-Gobain SEPR, Avignon, France; Schmalbuch, K.(1); Rubio, A.(1); Vincent, A.(1); Neufert, R.(2); Möller, M.(2); Rodrigues, F.(3); Laurent, P.(1);

11:50 AM		Plenary talk - Edgar Dutra Zanotto
12:30 PM	Lunch	
02:00 PM	Fernando dos Santos Ortega	17-005 - oral Controlling of pore structure of porous ceramics fabricated by gel-casting method Yunzi Xin (1) NIT; Xin, Y.(1); Hong, J.(1); Shirai, T.(1);
02:20 PM		17-065 - oral Zeolite synthesis fau-type from a gibbsitic-kaolinitic waste applying fractional factorial doe Caio César Amorim Melo (Brazil) (1) UFPA; Melo, C.A.(1); Melo, B.S.(1); Angélica, R.S.(1); Paz, S.A.(1);
02:40 PM		17-032 - oral Macro-mesoporous sulfated titanium dioxide from sol-gel associated to emulsion templates for photocatalysis application Paula Glazielli Paulino Moraes (Brazil) (1) UNESP/IQ; Moraes, P.G.P.(1); Alves -rosa, M.A.(1); Pulcinelli, S.H.(1); Santilli, C.V.(1);
03:00 PM		17-022 - oral Hydroxyapatite-Niobium Oxide 3D Scaffolds: Synthesis and Characterization Taiana Gabriela Moretti Bonadio (Brazil) (1) TGMB; (2) Unicentro; (3) MLB; (4) UEM; (5) LH; (6) WRW; Bonadio, T.G.M.(1); Freitas, V.F.(2); Santos, I.A.(3); Mi yahara, R.Y.(2); Baesso, M.L.(4); Weinand, W.R.(5); Hernandes, L.(6);
03:20 PM		17-012 - Invited Development of self-cleaning permeable geopolymer pavement Marcelo Strozi Cilla (Brazil) (1) UFBA; Cilla, M.S.(1);
04:00 PM		Coffee-Break
04:30 PM	Fernando dos Santos Ortega	17-048 - oral Porous mullite ceramics, obtained through reactive sintering of alumina and electrofused mullite, to use in high temperatures Vera Lúcia Arantes (Brasil) (1) USP; (2) UNIFAL-MG; Arantes, V.L.(1); Sousa, L.L.(2); Salomão, R. (1);
04:50 PM		17-040 - Invited Building 3D Architectures with 2D Materials Suelen Barg (England) (1) UoM; Barg, S.(1);

19, June - Allegro I
Symposia: H - Electric and Magnetic Ceramics

Time	Chair	
08:30 AM	José Antonio Eiras	08-075 - Invited Effects of Structural Characteristics on Dielectric Properties of Mg₄Nb₂O₉-based Ceramics at Microwave Frequencies. Eung Soo Kim (South Korea) (1) ; Kim, E.(1);
09:00 AM		08-077 - Invited The symmetry-mode decomposition for better understanding of the structural evolution presented in polar functional materials Yun Liu (Australia) (1) ANU; Liu, Y.(1);
09:30 AM		08-085 - oral Texture Engineering of Lead-Free Piezoelectric Ceramics Jae-Ho Jeon (South Korea) (1) KIMS; Jeon, J.(1); Cha, H.(1);
09:50 AM		08-138 - oral Phase concentration and microstructure effects on the properties of hot-pressed PZN-PT/CFO magnetoelectric composites Ducinei Garcia (Brasil) (1) UFSCar; Garcia, D.(1); Rosa, W.S.(1); Milton, F.P.(1); Perdomo, C.F.(1); Gualdi, A.J.(1); Kiminami, R.H.G.A.(1); Eiras, J.A.(1); Oliveira, A.J.A.(1); Zabotto, F.L.(1);
10:10 AM		08-046 - oral Ce doped BaTiO₃ 1D-nanostructures prepared by colloidal chemistry Adelina C IANCULESCU (Romania) (1) UPB; (2) NIMP; Ianculescu, A.(1); Stanciu, C.(1); Vasile, B.(1); Nicoara, A.(1); Trusca, R.(1); Cernea, M.(2); Trupina, L.(2);
10:30 AM	Coffee	
10:50 AM	José Antonio Eiras	08-150 - Invited PLD epitaxial growth of ultra-thin SrTiO₃/Sr/Si (001) pseudo-substrates Matjaz Spreitzer (Slovenia) (1) JSI; Spreitzer, M.(1);
11:20 AM		08-149 - Invited Dielectric relaxation and electrical conductivity of random oriented BiFeO₃ thin films Eudes Borges Araújo (Brazil) (1) UNESP; Araújo, E.B.(1); Masteghin, J.F.V.(1); Reis, S.P.(1);
11:50 AM		Plenary talk - Edgar Dutra Zanotto

12:30 PM	Lunch	
02:00 PM	José Antonio Eiras	08-127 - Invited Microstructure control in multiferroic composites Carmen Galassi (Itália) (1) CNR-ISTEC; Galassi, C.(1);
02:30 PM		08-141 - Invited Defects monitoring in (multi) ferroics composites Mario MAGLIONE (1) ICMCB; (2) KU Leuven; (3) UCL; Elissalde, C.(1); Albino, M.(1); Basov, S.(1); Mauvy, F.(1); Chung, U.(1); Simon, Q.(1); Chavarria, C.(1); Temst, K.(2); Piraux, L.(3); Maglione, M.(1);
03:00 PM		08-042 - oral Maintenance of the phases integrity during the processing of magnetoelectric particulate composites Fabio Luis Zabotto (Brasil) (1) UFSCar; Zabotto, F.L.(1); Eiras, J.A.(1); Garcia, D.(1);
03:20 PM		08-019 - oral Bioactive Multifunctional Magnetoelectric Composites Valdirlei Fernandes Freitas (Brazil) (1) Unicentro; (2) UEM; Freitas, V.F.(1); Bonadio, T.G.M.(1); Dias, G.S.(2); Santos, I.A.(2); Miyahara, R.Y.(1);
03:40 PM		08-044 - oral Synthesis, characterization and methylene blue degradation of cobalt ferrite/niobium oxide composite calcined at various temperatures Sunday Joseph Olusegun (Brazil) (1) UFMG; Olusegun, S.J.(1); Lara, L.R.S.(1); Mohallem, N.D.S.(1);
04:00 PM		Coffee-Break
04:30 PM	José Antonio Eiras	08-089 - oral Influence of substrate temperature on the electrical performance of SnO₂:Sb / SnO₂:Er homostructure Luis Vicente de Andrade Scalvi (Brasil) (1) UNESP; Santos, S.B.O.(1); Boratto, M.H.(1); Scalvi, L.V.A.(1);
04:50 PM		08-118 - oral Study of the reduced graphene oxide (rGO) thin films properties obtained from different processes Marina Sparvoli (Brasil) (1) UFABC; (2) UNB; Sparvoli, M.(1); Monteiro, J.F.(1); Silva, M.F.P.(2); Ideyama, R.H.(1); Munaro, G.(1); Comarin, P.(1);
05:10 PM		08-125 - oral Influence of the growth conditions on the nanostructural features of BaTiO₃/La_{0.77}Sr_{0.33}MnO₃ bilayers Flavia Regina Estrada (Brasil) (1) CNPEM; Estrada, F.R.(1); Muniz, P.S.N.(1); Neme, M.D.(1); Mori, T.J.A.(1); Cezar, J.C.(1);

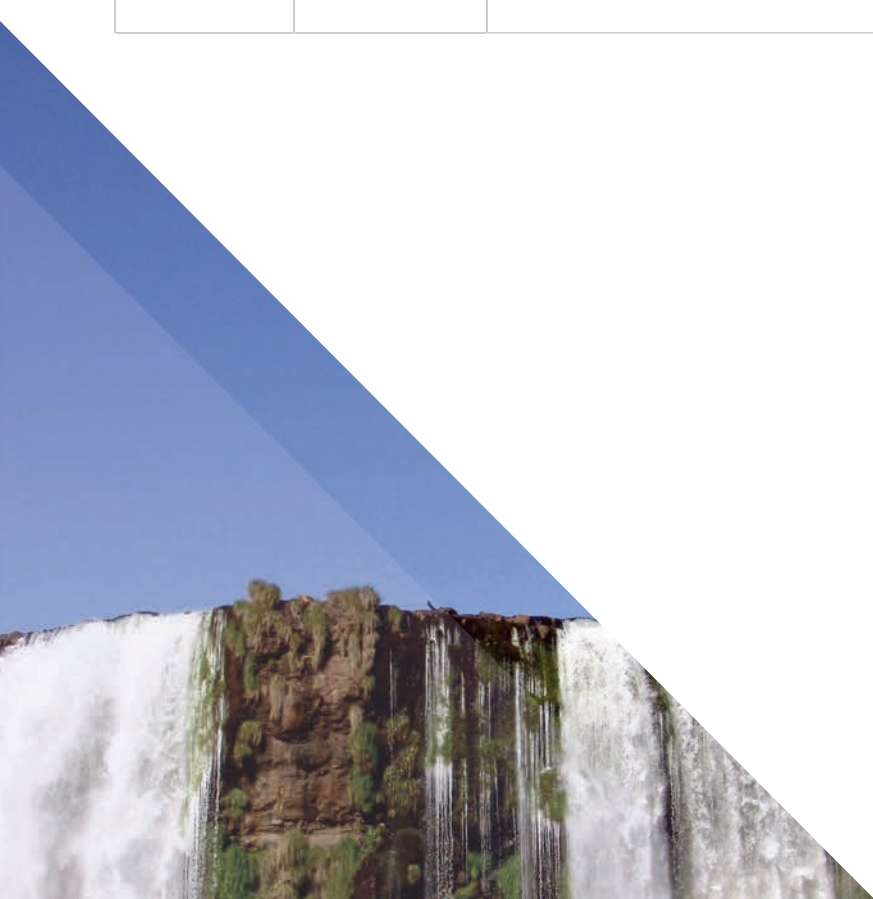
19, June - Allegro 2
Symposia: F - Ceramics for energy and environment

Time	Chair	
08:30 AM	Vincenzo Esposito	06-007 - Invited Bio-inspired inorganic nanomaterials for sustainable applications Ziqi Sun (Austrália) (1) QUT; Sun, Z.(1);
09:00 AM		06-211 - oral Hydrothermal Synthesis and Characterization of $\text{Na}_x\text{K}_{1-x}\text{NbO}_3$ Ceramics Swarup Kundu (Brasil) (1) IQ-UNESP; (2) UFSCar; Kundu, S.(1); Teixeira, G.F.(1); Zaghete, M.A.(1); Longo, E.(2);
09:20 AM		06-030 - oral Revisiting the ZnO Q\cdotdot Formation Toward an Integrated Growth Model Celso Valentim Santilli (Brasil) (1) IQ/UNESP; (2) Soleil; (3) LNLS; (4) UNESP; Caetano, B.L.(1); Briois, V.(2); Meneau, F.(3); Pulcinelli, S.H.(4); Santilli, C.V.(4);
10:00 AM		06-196 - Invited Nanostructured semiconductor oxides thin film applied for artificial photosynthesis: The role of the nanostructure in the electronic and photoelectrochemical properties. Edson Roberto Leite (Brazil) (1) CNPEM-LNNano; Leite, E.R.(1);
10:30 AM	Coffee	
10:50 AM	Vincenzo Esposito	06-016 - oral Synthesis of nonstoichiometric Titanium oxides by Heat Switching in Microwave Reaction Field and Application for Visible Light-Photocatalyst Kunihiko Kato (1) NIT; (2) EMPA; Kato, K.(1); Vaucher, S.(2); Hong, J.(1); Xin, Y.(1); Shirai, T.(1);
11:10 AM		06-208 - oral Control of the electrochemical properties by the design of metal oxide nanoparticles sophie cassaignon (France) (1) SU; Cassaignon, s.(1); Durupthy, o.(1); Portehault, d.(1);
11:30 AM		06-177 - oral Advanced nanoparticles synthesis by laser pyrolysis for energy production and storage Yann Leconte (France) (1) CEA; Leconte, Y.(1);

11:50 AM		Plenary talk - Edgar Dutra Zanotto
12:30 PM	Lunch	
02:00 PM	Vincenzo Esposito	06-240 - Invited Processing and Characterisation of Copper Impregnated Ceramic Granulates for Chemical Looping Applications Frank Jörg Clemens (Switzerland) (1) Empa; Clemens, F.J.(1);
02:30 PM		06-232 - oral Effect of iron doping nano-GDC synthesized via low temperature heterogeneous precipitation Marina Machado (Brasil) (1) IPEN; Moraes, L.P.R.(1); Machado, M.(1); Nunes, L.(1); Fonseca, F.C.(1);
02:50 PM		06-148 - oral Low temperature, highly sensitive no2 sensors based on zinc stannate microcubes Niravkumar J Joshi (United States) (1) UCB; (2) USP; Joshi, N.(1); Hayasaka, T.(1); Liu, Y.(1); Liu, H.(1); Oliveira Jr, O.N.(2); Lin, L.(1);
03:10 PM		Invited Marilaine Moreira de Lima Production of Ba2AlNbO6 Ceramics and Study of Their Stability in Crude Petroleum for the Conservation of Metallic Sensing Elements used in Petroleum Extraction
03:10 PM		06-239 - oral Bottom-up and top-down approaches to the synthesis of 2D gadolinium-doped cerium oxide (CGO) at low temperature Leticia Poras Reis de Moraes (Brasil) (1) IPEN; (2) UFABC; (3) DTU; (4) QUT; (5) IPEN -CNEN/SP; Moraes, L.P.R.(1); Marani, D.(2); Machado, M.F.S.(1); Rodrigues, L.N.(1); Fonseca, F.C.(3); Esposito, V.(4); Sun, Z.(5);
03:30 PM		06-052 - oral Scope for Using Ceramic Coatings in the Nuclear Field Lalgudi Venkataraman Ramanathan (Brasil) (1) IPEN; Ramanathan, L.V.(1);
04:00 PM	Coffee-Break	

19, June - Vivace I
Symposia: R - Polymer - derived ceramics development and applications

Time	Chair	
08:30 AM	Günter Motz / Samuel Bernard	18-004 - Invited Probing local environments in PDCs with solid-state NMR combined with ab-initio calculations Christel Gervais (França) (1) UPMC; (2) IEM; (3) CME; (4) UNILIM; Gervais, C.(1); Salameh, C.(2); Viard, A.(3); Schmidt, M.(2); Babonneau, F.(1); Miele, P.(2); Bernard, S.(4);
09:00 AM		18-048 - Invited Rheology of preceramic polymers Romain Lucas (France) (1) IRCER; Lucas, R.(1); Foucaud, S.(1); Bernard, S.(1); Schmidt, M.(1);
09:30 AM		18-030 - oral New ReaxFF Potential for Modeling SiCO Ceramics Peter Kroll (1) pk; Kroll, P.(1);
09:50 AM		18-045 - oral From custom-engineered polymer precursors to silicon carbonitride-based fibers David Lopez Ferber (France) (1) IRCER; (2) CME; Lopez Ferber, D.(1); Viard, A.(2); Lucas, R.(1); Motz, G.(2); Bernard, S.(1);
10:30 AM	Coffee	



11:50 AM	Plenary talk - Edgar Dutra Zanotto	
12:30 PM	Lunch	
19, June - Vivace 2 Symposia: B - Advances in Bioceramic		
Time	Chair	
09:20 AM	Juliana Marchi	02-034 - oral Novel zwitterionic mesoporous bioactive glasses as powerful devices for bone regeneration Sonia Fiorilli (Italy) (1) PT; Fiorilli, S.(1); Bari, A.(1); Peretti, E.(1); Vitale Brovarone, C.(1);
09:40 AM		02-094 - oral Characterization and evaluation of the bioactive potential in CEL2 bioactive glass-ceramic porous scaffolds loaded with chitosan microspheres Esmeralda Villicaña (Mexico) (1) IIMM,UMSNH; Villicaña, E.(1); Aguilar, E.A.(1);
10:00 AM		02-016 - Invited Bioactive glasses for tissue engineering: where are we and where are we going? Francesco Baino (Italy) (1) POLITO; (2) MUMS; Baino, F.(1); Fiume, E.(1); Verné, E.(1); Kargozar, S.(2);
10:30 AM	Coffee	
10:50 AM	Juliana Marchi	02-075 - oral Evaluation of Cerium-doped TiO₂ nanoparticles as anticancer release systems María Eugenia Contreras-García (Mexico) (1) UMSNH; Contreras-garcía, M.E.(1);
11:10 AM		02-056 - Invited Solid state NMR characterization of disordered mineral domains in biological mineralized tissues Thierry Azaïs (France) (1) TA; (2) WA; (3) NN; (4) SAB; Azaïs, T.(1); Ajili, W.(2); Nassif, N.(3); Auzoux -bordenave, S.(4);
11:40 AM		Closing section

11:50 AM	Plenary talk - Edgar Dutra Zanotto	
12:30 PM	Lunch	

19, June - Vivace 2
Symposia: C - Bioinspired Ceramics and Composites

Time	Chair	
02:00 PM	André R. Studart / Eduardo Saiz / Rafael Libanori	03-031 - Invited Coherently Aligned Nanoparticles Within a Biogenic Single Crystal: a Biological Prestressing Strategy as inspiration for functional ceramics Boaz Pokroy (Israel) (1) B.P.; Pokroy, B.(1);
02:30 PM		03-047 - Invited Bioceramics as Impact-Resistant Biotools and Elastic Energy Storage Devices: Lessons from the Mantis Shrimp Dactyl Club Ali Miserez (Singapura) (1) NTU; Miserez, A.(1);
03:00 PM		03-032 - oral Novel bio-inspired semiconductor/amino acid ceramic single crystals: from crystal growth to band gap engineering Iryna Polishchuk (Israel) (1) Israel Institute of Technology; Polishchuk, I.(1);
03:30 PM		03-049 - Invited The power of colloidal processing for bio-inspired ceramics: from particle-particle interaction to manufacturing Carolina Tallon (United States) (1) VT; Tallon, C.(1);
04:00 PM	Coffee-Break	
04:30 PM	André R. Studart / Eduardo Saiz / Rafael Libanori	03-050 - Invited Using colloidal nanoparticles to process nanocomposites based on commercial polymers Edson Roberto Leite (Brasil) (1) LNNano-CNPEM-UFSCar; Leite, E.R.(1);

Oral

20, June - Sonata 2
Symposia: N - High and Ultra High Temperature Ceramics

Time	Chair	
08:30 AM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-063 - Invited Multi-Scale Porous UHTCs: Dual Approach to Passive Cooling Components Design and Manufacturing Carolina Tallon (United States) (1) VT; Tallon, C.(1);
08:55 AM		14-093 - Invited Sol-Gel Processing for Porous Ultra-High Temperature Ceramics Guo Jun Zhang (China) (1) DHU; (2) SIC; Zhang, G.(1); Li, F.(1); Huang, X.(2);
09:20 AM		14-007 - Invited Manufacturing of Damage Tolerant Fiber Reinforced Ceramic Composites with SiC and UHTC based Matrices via Reactive Melt Infiltration Dietmar Koch (Alemanha) (1) DLR; Koch, D.(1); Küttemeyer, M.(1); Mainzer, B.(1);
09:45 AM		14-062 - Invited Characteristics of UHTC composites and coatings fabricated by reactive melt infiltration method Shaoming Dong (China) (1) SICCAS; Dong, S.(1); Chen, X.(1); Xue, C.(1); Kan, Y.(1); Zhou, H.(1); Ni, D.(1);
10:10 AM		14-055 - Invited ZrB₂-SiC Laminates Produced by Aqueous Tape Casting with Low Binder Concentration Rosa Maria da Rocha (Brasil) (1) IAE; (2) ITA; Rocha, R.M.(1); Petraconi F., G.(2); Rita, C.C.P.(2); Sene, F.F.(1);
10:30 AM	Coffee	
10:50 AM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-067 - Invited Slag corrosion of steelmaking refractories – the use of thermodynamic simulation models Analía Gladys Tomba Martinez (Argentina) (1) INTEMA; Tomba Martinez, A.G.(1);
11:10 AM		14-003 - Invited CA6 reinforcing role in high-alumina refractory castables containing CAC or CaCO₃ as binders Ana Paula da Luz (Brasil) (1) UFSCar; (2) TU B Freiberg; Da Luz, A.(1); Consoni, L.(1); Guimarães Gabriel, A.H.(1); Aneziris, C.(2); Pandolfelli, V.C.(1);
11:30 AM		14-021 - Invited Aluminum industry challenge: “lower” temperature applications with high technological demands Mariana Braulio (1) 4Cast; (2) UFSCar; Braulio, M.(1); Pandolfelli, V.C.(2);

11:50 AM	Plenary talk - Mike Murray	
12:30 PM	Lunch	
02:00 PM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-005 - Invited Constitutive modelling of refractories at liquid steel temperature Davide Bigoni (Itália) (1) UniTn; Bigoni, D.(1);
02:25 PM		14-068 - Invited Thermomechanical behaviour of refractories, from model materials to industrial ones Marc Huger (France) (1) UL; Huger, M.(1);
02:50 PM		14-037 - Invited Fracture energy, R-curve behaviour and resistance to crack propagation in refractory ceramics José de Anchieta Rodrigues (Brasil) (1) UFSCar; Rodrigues, J.A.(1); Maginador, R.V.(1); Canto, R.B.(1);
03:15 PM		14-010 - Invited Materials formulated in the ZrO₂-MgO-CaO system for advanced structural applications Carmen Baudin (Espanha) (1) ICV-CSIC; (2) UBI; Baudin, C.(1); Silva, A.(2); Pena, P.(1);
03:40 PM		14-051 - oral Application of refined Digital Image Correlation for the investigation of the fracture behaviour of Magnesia-based refractories Imad KHLIFI (France) (1) UL; (2) UP; Khlifi, I.(1); Pop, O.(1); Dupre, J.(2); Doumalin, P.(2); Huger, M.(1);
04:00pm	Coffee-Break	

04:30 PM	William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris	14-011 - Invited New Types of Chrome-free Refractories for the Copper Production Helge Jansen (Germany) (1) RTS; Jansen, H.(1);
04:50 PM		14-017 - oral Magnesium borate fibers by electrospinning Enrico Storti (Alemanha) (1) TU B Freiberg; (2) UNIPD; Storti, E.(1); Colombo, P.(2); Aneziris, C.(1);
05:10 PM		14-078 - Invited Effect of reinforcement additions on mechanical, thermal, oxidation and ablation properties of ZrB₂ based ultra-high temperature ceramic composites Rahul Mitra (India) (1) R. Mitra; (2) M. Mallik; Kashyap, S.(1); Mallik, M.(2); Mitra, R.(1);
05:30 PM		Invited M. Jalaly Production of Ultra-High Temperature Diboride Nanoceramics by Magnesiothermic Combustion Synthesis
20, June - Minueto Special Technical Session		
Time	Chair	
08:30 AM		Invited Peter Miura Nakachima New Industrial Minerals for the Refractory Market
09:10 AM		Invited John Foley Combinando Análise de Tamanho e Formato de Partículas
09:50 AM		Invited Thomas Detlef Kreuzaler Hybrid Sintering - A New Trend for Innovative Material Solutions
10:30 AM	Coffee	

11:20 AM	Renata Ayres Rocha / Andraž Kocjan	07-022 - Invited New way to identify ceramics and glasses with tailor-made properties Stanislav Kuzyakin (Russia) (1) S.V.; (2) G.I.; Kuzyakin, S.(1); Gladkova, G.(2);
10:50 AM		07-037 - oral Combining Technology Roadmapping and agile techniques for planning technology-based new ventures – a case of flash sintering of glasses Eduardo Bellini Ferreira (Brasil) (1) EESC/USP; (2) UFSCar; Piccirillo, I.N.(1); Bacha, M.G.(1); Ferreira, E.B.(1); Silva, S.L.(2); Amaral, D.C.(1);
11:50 AM		Plenary talk - Mike Murray
12:30 PM	Lunch	
02:00 PM	Renata Ayres Rocha / Andraž Kocjan	07-039 - Invited Inclusive Excellence -- The Critical First Year Janet Callahan (Estados Unidos) (1) -; Callahan, J.(1);



12:30 PM	Lunch	
02:30 PM	Renata Ayres Rocha / Andraž Kocjan	07-005 - oral Methodology to create ceramic products based on the development of patterns by manual and digital processes and experiments with colours and textures used in a design and materials workshop Cristiane Aun Bertoldi (Brasil) (1) FAUUSP; (2) Poli.Milano; Bertoldi, C.(1); Del Curto, B.(2); Dantas, D.(1);
02:50 PM		07-034 - oral Technical Training in Glass in Brazil Mauro Akerman (Brasil) (1) EDV; (2) UFSCar; Akerman, M.(1); Rodrigues, A.C.M.(2);
03:10 PM		07-009 - Invited Challenges in identifying and delivering essential ceramic educational initiatives Richard Bowman (Australia) (1) -; Bowman, R.(1);
04:00 PM	Coffee-Break	
04:30 PM	Renata Ayres Rocha / Andraž Kocjan	07-019 - Invited Young Ceramists Network – connecting young ceramists within Europe and beyond Andraž Kocjan (Slovenia) (1) JSI; (2) TUT; (3) BCRC; (4) ISTEK; Kocjan, A.(1); Frankberg, E.(2); Hautcoeur, D.(3); Lasgorceix, M.(3); Silvestroni, L.(4);
05:00 PM		07-003 - Invited Engaging Materials Science Students with the Universe of Superheroes: A Successful Classroom Experiment Ricardo Hauch Ribeiro Castro (Estados Unidos) (1) UC Davis; Castro, R.H.R.(1);

20, June - Cantata 2
Symposia: L - Fundamentals of Sintering and Advanced Sintering Processes

Time	Chair	
08:30 AM	Ricardo Castro	12-039 - Invited State of Play in the Developing Story of Cold Sintering Clive Randall (United States) (1) CAR; Randall, C.(1);
09:00 AM		12-031 - Invited Fundamental Investigation of Sintering Anisotropy Rajendra Kumar Bordia (Brazil) (1) CU; (2) ; Bordia, R.K.(1); Martin, C.(2); Olevsky, E.(2);
09:30 AM		12-035 - Invited Numerical Simulation of Microstructural Evolution During Sintering Veena Tikare (United States) (1) SNL; Tikare,V.(1); Silling, S.(1); Abdeljawad, F.(1);
10:00 AM		12-032 - Invited Microstructure Evolution in Metal-Ceramic Systems Under Reducing and Oxidizing Conditions Ivar Reimanis (United States) (1) CSM; Reimanis, I.(1);
10:30 AM	Coffee	
10:50 AM	Ricardo Castro	12-029 - oral Densification and sintering of ceramic nanocomposites for mid-IR solid state lasers Victoria L Blair (United States) (1) VB; (2) AF; (3) SMK; (4) ZDF; Blair, V.(1); Fry, A.(2); Kilczewski, S.(3); Fleischman, Z.(4);
11:10 AM		12-047 - oral Surface and interfaces energies of pure and tin-doped magnesium aluminate spinel Gilberto José Pereira (Brasil) (1) FEI; (2) UC Davis; (3) USP; Pereira, G.J.(1); Muche, D.N.(2); Castro, R.H.R.(2); Gouvêa, D.(3);
11:30 AM		12-040 - oral Rapid sintering of zirconia nanoceramics in the absence of extensive diffusional processes Andraž Kocjan (Slovenia) (1) JSI; (2) SU; Kocjan, A.(1); Shen, Z.(2);
11:50 AM	Plenary talk - Mike Murray	

12:30 PM	Lunch	
02:00 PM	Ricardo Castro	12-027 - Invited Flash sintering of ionic conductors: delay time before current flash and role of electrode reaction Marlu Cesar STEIL (France) (1) Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, Grenoble INP; Steil, M.C.(1);
02:30 PM		12-038 - Invited Using Multiple Phases to Enhance Flash Sintering of Ceramics Martha Mecartney (United States) (1) UC Irvine; Mecartney, M.(1);
03:00 PM		12-050 - oral Electrical field assisted densification investigated by sinter-forging Olivier Guillon (Germany) (1) -; (2) JARA-Energy; Guillon, O.(1); Mücke, R.(2); Cao, C.(1);
03:20 PM		12-014 - oral Field-Enhanced Sintering of Advanced Ceramic Materials Raymond Brennan (1) REB; (2) VLB; (3) MK; (4) SVR; (5) FK; (6) AF; Brennan, R.(1); Blair, V.(2); Kornecki, M.(3); Raju, S.V.(4); Kellogg, F.(5); Fry, A.(6);
03:40 PM		12-018 - oral A comparative study of oxides and carbides ceramics sintered by two ultra rapid densification processes Alexandre allemand (France) (1) CEA-LCTS; (2) Université de Bordeaux-LCTS; (3) CNRS-LCTS; (4) GALTENCO; Allemand, A.(1); Lepetitcorps, Y.(2); Besnard, C.(3); Couillaud, S.(4); Leon, J.(4);
04:00 PM	Coffee-Break	
04:30 PM	Ricardo Castro	12-052 - Invited Spark Plasma Sintering of some Ferroelectric and Multiferroic Materials José Antônio Eiras (Brasil) (1) UFSCar; Eiras, J.A.(1);
05:00 PM		12-019 - oral Spark Plasma Sintering of silicon carbide and titanium diboride: effect of grain size and process parameters on densification and mechanical properties Marc Singlard (France) (1) IRCER; (2) CIRIMAT; (3) CNES; Singlard, M.(1); Rossignol, S.(1); Vardelle, M.(1); Chevallier, G.(2); Estournès, C.(2); Oriol, S.(3); Fiore, G.(3); Vieille, B.(3);
05:20 PM		12-028 - oral Microwave assisted sintering kinetics of nanometric hematite Marina Magro Togashi (Brasil) (1) UFSCar; Togashi, M.M.(1); Perdomo, C.F.(1); Kiminami, R.H.G.A.(1);

20, June - Prelúdio
Symposia: J - Frontiers of Glass Science

Time	Chair	
08:30 AM	Edgar Dutra Zanotto	10-031 - Invited Borophosphate Glasses for Biomedical Applications Richard Brow (United States) (1) Missouri S&T; (2) Missouri S&T; Brow, R.(1); Freudenberger, P.(2);
09:00 AM		10-076 - Invited Therapeutic properties of bioactive glass Julian Raymond Jones (United Kingdom) (1) Imperial College; Jones, J.R.(1);
09:30 AM		10-003 - Invited Natural and Unconventional Anthropogenic Glasses: Juxtaposition of Geological and Technical Glass Considerations (Invited) John McCloy (United States) (1) WSU; McCloy, J.(1);
10:00 AM		10-047 - Invited Glassy porous chalcogels: state-of-the-art scientific advances into their adsorption and gas separation properties via first-principles molecular dynamics Guido Ori (France) (1) IPCMS; Ori, G.(1);
10:30 AM	Coffee	
10:50 AM	Edgar Dutra Zanotto	10-019 - oral DFT Studies of HfO₂-Na₂O-SiO₂ glasses Peter Kroll (1) pk; Kroll, P.(1);
11:10 AM		10-081 - oral Heating rate effect on nucleation rate measurements by Tamman's development method: applications to crystallization of silicate glasses Alexander Abyzov (Ukraine) (1) Akhiezer Institute for Theoretical Physics; (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (3) Vavilov State Optical Institute; Abyzov, A.(1); Montazerian, M.(2); Fokin, V.M.(3); Zanotto, E.D.(2);
11:30 AM		10-035 - oral Nucleation agents in a new type of glass ceramics with low thermal expansion Christian Thieme (Germany) (1) CT; (2) MK; (3) KT; (4) CP; (5) TH; (6) CR; Thieme, C.(1); Kracker, M.(2); Thieme, K.(3); Patzig, C.(4); Höche, T.(5); Rüssel, C.(6);
11:50 AM	Plenary talk - Mike Murray	

12:30 PM	Lunch	
02:00 PM	Edgar Dutra Zanotto	10-007 - Invited Control of crystallization in glass Jianrong Qiu (China) (1) ZJU; Qiu, J.(1);
02:30 PM		10-062 - oral Surface crystallization of low thermal expansion glass ceramics Michael Kracker (Germany) (1) MK; (2) CT; (3) KT; (4) TH; (5) CR; Kracker, M.(1);Thieme, C.(2);Thieme, K.(3); Höche, T.(4); Rüssel, C.(5);
02:50 PM		10-051 - Invited Numerical studies of crystallization and vitrification: a novel and general method applied to water and B2O3 guillaume pierre jean ferlat (France) (1) Mr; Ferlat, g.p.j.(1);
03:20 PM		10-063 - oral Million atom MD simulations of crystal nucleation in supercooled Ni Luis Gustavo Vieira Gonçalves (Brazil) (1) UTFPR; (2) UFSCar; Gonçalves, L.G.V.(1); Zanotto, E.D.(2);
04:00 PM		Coffee-Break



20, June - Canon
Symposia: Q - Porous and Cellular Ceramics

Time	Chair	
08:30 AM	Fernando dos Santos Ortega	17-060 - oral Activated carbon and ceramic powder heterodeflocculation for porous structure manufacturing Lucas Freitas Berti (Brazil) (1) UTFPR; (2) UFSC; (3) UNILA; Berti, L.F.(1); Rambo, C.R.(2); Reimbrecht, E.G.(3); Bazzo, E.(2); Hotza, D.(2);
08:50 AM		17-071 - oral Fabrication and mechanical properties of Porous Si₃N₄ ceramics prepared via nitridation of Si powder Yuping Zeng (China) (1) ; Zeng, Y.(1);
09:10 AM		17-066 - oral Use of cellulosic fibers extracted from paper waste as a template for porous alumina production Tomaz Rodrigues Araújo (Brasil) (1) UFRN; (2) Melo, D.M.A.; Araújo, T.R.(1); Medeiros, R.L.(1); Oliveira, A.A.S.(1); Silva, F.M.(1); Santos, M.C.(1); Melo, D.M.A.(2); Melo, M.A.F.(1);
09:30 AM		17-070 - oral Cellular carbon materials from a sustainable source: synthesis and applications Gisele Amaral-Labat (Brazil) (1) USP; (2) INPE; (3) UNINOVE; (4) UFRGS; (5) UDeLaR; (6) PMT -USP; Amaral-labat, G.(1); Quirino, S.(2); Labat Marcos, R.(3); Da Silva, E.L.(4); Cuña, A.(5); Malfatti, C.(4); Baldan, M.(2); Lenz E Silva, G.F.B.(6);
09:50 AM		17-037 - Invited Advanced Cellular Ceramics by Direct Foaming Methods: Processing and Characterization Elisângela Guzi de Moraes (Brasil) (1) UFSC; Guzi De Moraes, E.(1);
10:30 AM	Coffee	
10:50 AM	Fernando dos Santos Ortega	17-058 - oral Synthesis of nanosilica obtained from sugarcane bagasse ash Elisângela Guzi de Moraes (Brasil) (1) UFSC; Falk, G.S.(1); Novaes De Oliveira, A.P.(1); Guzi De Moraes, E.(1); Maykot, C.K.(1); Teixeira, L.B.(1);
11:10 AM		17-015 - Invited Liquid-phase preparation of BaTiO₃ nanotube arrays and their composite with CoFe₂O₄ Go Kawamura (Japan) (1) TUT; (2) FAU; Kawamura, G.(1); Matsuda, A.(1); Boccaccini, A.(2);
11:50 AM		Plenary talk - Mike Murray

12:30 PM	Lunch	
02:00 PM	Fernando dos Santos Ortega	17-039 - oral Characterization and application of Nb₂O₅/SiO₂ composites prepared by sol-gel process Luiz Fernando de Sousa Lima (Brazil) (1) LFSL; (2) UFMG; Lima, L.S.(1); Gomes, G.H.M.(2); Mohallem, N.D.S.(2); Coelho, C.R.(2);
02:20 PM		17-067 - oral Boehmite nanofiber-polysilsesquioxane composite porous monolith and their thermal insulation Gen Hayase (Japan) (1) TU; Hayase, G.(1);
02:40 PM		17-049 - oral Functionalization strategies of reticulated porous ceramics (RPCs) generating new functionalities Ulf Betke (Germany) (1) OvGU Magdeburg; Betke, U.(1); Rannabauer, S.(1); Lieb, A.(1); Scheffler, F.(1); Scheffler, M.(1);
03:00 PM		17-084 - oral Analysis of the kinetics of polymerization in gelcast ceramic emulsion for the production of porous ceramics Mariana Cepeda Salama (Brasil) (1) FEI; Salama, M.C.(1); Ortega, F.S.(1);
03:20 PM		17-035 - Invited Strategies for Robust Porous Ceramics Katherine T Faber (United States) (1) Caltech; Faber, K.(1); Arai, N.(1); Kuo, T.C.(1);
04:00 PM		Coffee-Break
04:30 PM	Fernando dos Santos Ortega	17-020 - oral Porous Geopolymer Components by Additive Manufacturing Paolo Colombo (Itália) (1) UNIPD; Colombo, P.(1); Scanferla, P.(1); Franchin, G.(1);
04:50 PM		17-085 - Invited 3D Printing of Hierarchical Porous Materials Andre R Studart (Switzerland) (1) ARS; Studart, A.(1);

20, June - Allegro I
Symposia: H - Electric and Magnetic Ceramics

Time	Chair	
11:50 AM		Plenary talk - Mike Murray
12:30 PM	Lunch	
02:00 PM	Jens Günster	01-024 - Invited Additive manufacturing of inorganic polymers Paolo Colombo (Itália) (1) UNIPD; Colombo, P.(1);
02:40 PM		01-072 - oral LSD- 3D printing: powder based additive manufacturing, from porcelain to technical ceramics Jens Günster (Alemanha) (1) BAM; Günster, J.(1); Zocca, A.(1); Lima, P.(1); Mühler, T.(1); Lüchtenborg, J.(1);
03:00 PM		01-060 - oral Determination of wall inclination limit as function of the wall thickness and plasticity for 3D printed extrudable ceramic bodies JAMIL DUAILIBI Fh. (Brasil) (1) DuraCer; Duailibi Fh., J.(1); Nunes, B.L.(1); Wieck, R.(1);
03:20 PM		01-071 - Invited Hybrid machining for rapid prototyping of ceramics Fabrice Petit (Belgium) (1) BCRC; Petit, F.(1);
04:00 PM	Coffee-Break	
04:30 PM	Jens Günster	01-016 - Invited Microstereolithography of oxide ceramics and composites for biomedical devices Anne Louise LERICHE (France) (1) UVHC; (2) UL; (3) BCRC; (4) UP; (5) i3s; Leriche, A.L.(1); Dehurtevent, M.(2); Shamary, S.(1); Cu rto, H.(1); Thuault, A.(1); Hornez, J.(1); Petit, F.(3); Cambier, F.(3); Fernandes, M.(4); Monteiro, F.J.(5);
05:10 PM		01-061 - oral Nanostructured composite filament for Fused Deposition Modeling Julia Ce de Andrade Pinto (Brazil) (1) UFSC; (2) FGM; Ce De Andrade Pinto, J.(1); Stares, S.L.(1); Nunes, W.D.(1); Hotza, D.(1); Paim, B.A.(2); Fredel, M.C.(1);

20, June - Allegro 2
Symposia: F - Ceramics for energy and environment

Time	Chair	
08:30 AM	Vincenzo Esposito	06-230 - oral Conversion of metal oxide suspensions produced by hydrothermal synthesis into nano-inks for inkjet printing Massimo Rosa (Denmark) (I) DTU; Rosa, M.(I); Xu, Y.(I); Zielke, P.(I); Esposito, V.(I);
09:00 AM		Invited
09:00 AM		06-184 - oral Functionalized silica xerogels obtained from rice husk for carbon dioxide adsorption Juan David Pardo (Columbia) (I) UNIVALLE; Pardo, J.D.(I); Gómez, M.A.(I); Calambas, D.S.(I); Delvasto, S.(I); Arango, E.(I); Forero, C.R.(I);
09:40 AM		06-150 - oral Microstructure and thermoelectric properties of Sr_{0.9}La_{0.1}TiO₃ ceramics with nano-sized metal particles as additive Mengjie Qin (China) (I) NWPUP; Qin, M.(I);
10:00 AM		06-034 - oral Improved Thermoelectric Properties of n-type Bi₂S₃ via anionic doping Guanjun QIAO (China) (I) ; Liu, G.(I); Qiao, G.(I); Yang, J.(I); Yan, J.(I);
10:30 AM	Coffee	

Oral

10:50 AM	Vincenzo Esposito	06-179 - oral Y, Lu, La cation substitution for luminescence tuning in $MSi_2N_2O_2:Eu^{2+}$ (M=Ca, Sr, Ba) phosphors Malgorzata Maria Sopicka-Lizer (Poland) (1) SUT; Sopicka-lizer, M.M.(1); Michalik, D.(1); Pawlik, T.(1); Krzywda, P.(1);
11:10 AM		06-163 - oral Structural and vibrational approach on the luminescent BZO ceramic doped with Ce and Hf: A experimental/theoretical study. Mário Lúcio Moreira (Brasil) (1) UFPel; (2) UFPEL; Moreira, M.L.(1); Ururi, J.L.P.(1); Cava, S.(1); Raubach, C.W.(2);
11:30 AM		06-077 - oral Influence of Nb on mechanical and optical properties of Nb-doped-TiO ₂ thin films prepared by sol-gel method. Gustavo Henrique Magalhães Gomes (Brazil) (1) UFMG; Gomes, G.H.M.(1); Jesus, M.A.M.L.(1); Ferlauto, A.S.(1); Viana, M.M.(1); Mohallem, N.D.S.(1);
11:50 AM	Plenary talk - Mike Murray	
12:30 PM	Lunch	

20, June Vivace 2		
Time	Chair	
08:30 AM	Edson Roberto Leite	The relevance of Prof. José Arana Varela for advanced ceramics Edson R. Leite CNPEM-LNNano, Campinas, SP, Brazil Chemistry Department, Federal University of São Carlos
09:30 AM		Direct Fabrication of Functionalized Graphenes and Their Hybrids Inks via Submerged Liquid Plasma [SLP] and Electrochemical Exfoliation [ECE] in Solutions under Ambient Conditions Masahiro Yoshimura, Jaganathan Senthilnathan, Kodepelly SanjeevaRao, and Elumalai Satheeshkumar Promotion Centre for Global Materials Research (PCGMR), Dept. of Materials Science and Engineering, National Cheng Kung University, Tainan, Taiwan
10:00 AM		Controlling the sensitivity and selectivity of metal oxide gas sensors Marcelo O. Orlandi IQ -UNESP, Araraquara, SP, Brazil
10:30 AM		Advanced Ceramic Materials for Electronics – 20 years of discussions with Jose Arana Varela" Danilo Suvorov Advanced Materials Department, Institut "Jozef Stefan", Ljubljana, Slovenia

02:00 PM	Vincenzo Esposito	06-004 - oral (Sb)SnO₂/Ni(OH)₂ ceramic electrode for electrooxidation of emergent contaminants Sergio Mestre (Espanha) (1) UJI; (2) UPV; Mestre, S.(1); Sánchez-rivera, M.J.(1); Pérez -herranz, V.(2); Gozalbo, A.(1);
02:20 PM		06-108 - oral Behavior of micro and nanoaluminas used in the preparation of colloidal systems and filters for water contaminants Nelcy Della Santana Mohallem (Brasil) (1) UFMG; Mohallem, N.D.S.(1); De Paulo, P.H.(1); De Castro, M.F.(1);
02:40 PM		06-054 - oral Mechanosynthesis of magnetically recoverable BiFeO₃/Fe₃O₄ nanocomposite for water treatment applications. Eduardo Azzolini Volnistem (Brazil) (1) UEM; Volnistem, E.A.(1); Bini, R.D.(1); Santos, I.A.(1); Cótica, L.F.(1); Dias, G.S.(1); Da Silva, V.S.(1);
03:00 PM		06-061 - oral Comprehensive Study of Mesoporous Aluminosilicate Glasses and Clay-like Layer Compound Somasif as Potential Materials for Dye Removal from Wastewater Effluents Carsten Doerenkamp (Brazil) (1) USP; Doerenkamp, C.(1); Almeida, F.(1); Costa, M.(1); De Camargo, A.(1); Eckert, H.(1);
03:20 PM		06-029 - oral Multifunctional sol-gel xTiO₂/(100-x)SiO₂ thin films: promising surfaces for self-cleaning applications Magnum Augusto Moraes Lopes Jesus (Brazil) (1) UFMG; (2) CEFET-MG; Jesus, M.A.M.L.(1); Mohallem, N.D.S.(1); Ferreira, A.M.(2); Gomes, G.H.M.(1); Ferlauto, A.S.(1);
03:40 PM		06-155 - oral Fabrication and properties of Y₂O₃ transparent ceramic by plasma arc melting Andrzej Jan Kruk (Poland) (1) WSIZ; (2) AGH; Kruk, A.(1); Madej, D.(2);
04:00 PM	Coffee-Break	

20, June - Vivace I
Symposia: C - Bioinspired Ceramics and Composites

Time	Chair	
08:30 AM	André R. Studart / Eduardo Saiz / Rafael Libanori	03-033 - Invited Tailoring architecture and microstructure in bio-inspired layered ceramics Raul Bermejo (Austria) (1) RB; (2) GLM; Bermejo, R.(1); Messing, G.(2);
09:00 AM		03-036 - Invited Mechanics of Bioinspired Multilayered Ceramic Composites Nima Rahbar (United States) (1) WPI; Rahbar, N.(1);
09:30 AM		03-039 - Invited Bioinspired processing of ceramic composites Florian Bouville (Switzerland) (1) FB; (2) NTU; (3) TN; (4) ARS; Bouville, F.(1); Le Ferrand, H.(2); Niebel, T.(3); Studart, A.(4);
10:00 AM		03-026 - Invited Fabrication of composites and ceramics with periodic texture and mechanical properties. Hortense Le Ferrand (Singapore) (1) NTU; Le Ferrand, H.(1);
10:30 AM	Coffee	
10:50 AM	André R. Studart / Eduardo Saiz / Rafael Libanori	03-046 - Invited Macroscopic Nanoparticle Assemblies: Integration, Functionalization and Applications Shu-Hong Yu (China) (1) -; Yu, S.(1);
11:20 AM		Flash poster presentation
11:50 AM	Plenary talk - Mike Murray	
12:30 PM	Lunch	

20, June - Vivace I
Symposia: P - New trends in silicate and clay-based ceramics

Time	Chair	
02:00 PM	Wilson Acchar	16-007 - Invited Viscous flow sintering of large ceramic slabs Michele Dondi (Italy) (1) CNR-ISTEC Faenza (Italy); (2) Physics and Earth Sciences Dept, Ferrara Univ. (Italy); Dondi, M.(1); Zanelli, C.(1); Conte, S.(1); Soldati, R.(1); Cruciani, G.(2); Ardit, M.(2);
02:30 PM		16-051 - Invited About the Influence of Particle Size on Thermal Properties Investigated by Means of Thermal Analysis Ekkehard Füglein (Alemanha) (1) -; (2) EZD; Füglein, E.(1); Wolff -fabris, F.(2);
03:00 PM		16-022 - oral Crystallinity and density of glass-ceramics obtained from basalt Luiza Felippi Lima (Brazil) (1) IMC-UCS; Lima, L.F.(1); Cruz, R.C.D.(1);
03:20 PM		16-003 - oral Solution combustion synthesis of a grey (Co)ceO₂ pigment for porcelain stoneware Sergio Mestre (Espanha) (1) UJI; Mestre, S.(1); Palacios, M.D.(1); Sanz, V.(1); González -dávila, J.M.(1);
03:40 PM		16-070 - oral Analysis of Sol Gel spray coating layer features over enamel tiles Santiago Betancourt (Columbia) (1) UPB; (2) EUROCERAMICA; (3) SENCO; Betancourt, S.(1); Mosquera, D.(1); Domingues, M.(1); Rios, C.(2); Villa, C.(3);
04:00 PM	Coffee-Break	
04:50 PM	Wilson Acchar	16-040 - oral Digital decoration in ceramics: a study on the development of color, profile, colorimetric space and ceramic raw materials. Julia Soratto Ribeiro (Brazil) (1) SATC; (2) UFSC; (3) UNESCO; Acordi, J.(1); Vanderlind, G.E.(2); Sartor, M.N.(2); Melo, A.R.(2); Milak, G.B.(3); Ribeiro, J.S.(3); Mattos, A.(2); Bianchini, S.S.(2);
05:10 PM		16-026 - oral Circular economy declined for the ceramic tile industry Michele Dondi (Italy) (1) CNR-ISTEC, Faenza (Italy); (2) Centro Ceramico, Bologna (Italy); Dondi, M.(1); Rambaldi, E.(2); Zanelli, C.(1); Bignozzi, M.C.(2);

21, June - Cantata I
Symposia: E - Ceramics for agriculture and livestock

Time	Chair	
08:30 AM	Caue Ribeiro	05-004 - Invited Luminescent Ceramic Materials Facing Demands for Plant Factories Illumination Qian Liu (China) (1) SICCAS; Liu, Q.(1); Wan, J.Q.(1); Liu, G.(1);
08:50 AM		05-001 - oral Overcoating: a strategy for the delivery and control of nutrient release in fertilizers. Fábio Plotegher (Brazil) (1) DQ; (2) USP; (3) UFSCar; (4) UFSCar/ Embrapa; Plotegher, F.(1); Santos, R.B.(2); Junior, V.R.(2); Majaron, R.F.(3); Majaron, V.F.(3); Polito, W.L.(2); Ribeiro, C.(4);
09:15 AM		05-005 - oral Evaluation of binder materials for organomineral granulation based on MAP and chicken litter Carla Oliveira Nascimento (Brazil) (1) UFBA; (2) Embrapa; Nascimento, C.O.(1); Benites, V.M.(2); Fialho, R.L.(1); Cabral -albuquerque, E.M.(1); Mattos, B.B.(2);
09:30 AM		05-016 - Invited MS3T – A novel multifunctional platform for health management of HLB affected citrus trees Maria Gabriela Nogueira Campos (Brasil) (1) UNIFAL - Campus de Poços de Caldas; (2) UCF; (3) UF; (4) UT; Nogueira Campos, M.(1); Tetard, L.(2); Woo Hyoung, L.(2); Johnson, E.(3); Petridis, L.(4); Labbe, N.(4); Rajasekaran, P.(2); Soliman, M.(2); Chumbimuni Torres, K.(2); Santra, S.(2);
10:00 AM		Invited Swadeshmukul Santra Copper, Zinc and Magnesium Nanoparticle based Bactericides/Fungicides for Crop Protection
10:30 AM	Coffee Break	

10:50 AM	Caue Ribeiro	Invited Markus Niederberger Nanoparticle Synthesis and Assembly for Energy Conversion and Storage
11:20 AM		Invited Andre Farias de Moura Fine-Tuning Light-Matter Interactions of Nanomaterials
11:35 AM		05-002 - oral Synthesis of Bi₂O₃ / BiVO₄ heterostructure and evaluation of its photocatalytic potential under solar radiation Paulo Henrique Eleuterio Falsetti (Brazil) (1) IFSP; Falsetti, P.H.E.(1); Duque, D.M.S.(1); Mendonça, V. R.(1);
11:50 AM	Plenary talk - Masahiro Yoshimura	
12:30 PM	Lunch	
21, June - Prelúdio Symposium: J Frontiers of Glass Science		
08:30- 10:30 a.m.	Discussion	International research collaboration / JNCS "Frontiers" issue
10:30 AM	Coffee-Break	
10:50- 11:50 a.m.	Discussion	International research collaboration / JNCS "Frontiers" issue

21, June - Vivace I
Symposia: C - Bioinspired Ceramics and Composites
Chairman: Co-Chairman:

Time	Chair	
09:00 AM	André R. Studart / Rafael Libanori / Eduardo Saiz	03-037 - Invited Bioinspired self-monitoring ceramics Victoria GARCIA ROCHA (Wales) (1) V.G. Rocha; (2) O.T. Picot; (3) C.Ferraro; (4) NN; (5) E.D'Elia; (6) E. Saiz; (7) M. Reece; (8) T. Peijs; (9) JC; (10) T. Saunders; Garcia Rocha, V.(1); Picot, O.(2); Ferraro, C.(3); Ni, N.(4); D'elia, E.(5); Saiz, E.(6); Reece, M.(7); Peijs, T.(8); Chevalier, J.(9); Saunders, T.(10);
09:30 AM		03-041 - Invited Bioinspired approaches in the mechanics of nanocomposites Federico Bosia (Italy) (1) FB; (2) NMP; Bosia, F.(1); Pugno, N.(2);
10:00 AM		03-052 - Invited High-temperature nacre-like ceramics Pedro Ivo Batistel Galiote Brossi Pelissari (Brazil) (1) UFSCar; (2) ETH; (3) -; (4) E. Saiz; (5) ARS; Pelissari, P.B.G.B.(1); Bouville, F.(2); Pandolfelli, V.C.(1); Carmel li, D.(2); Giuliani, F.(3); Luz, A.(1); Saiz, E.(4); Studart, A.(5);
10:30 AM	Coffee-Break	
10:50 AM	André R. Studart / Eduardo Saiz / Rafael Libanori	03-051 - Invited Printable Self-healing Graphene-based Composites Kirstie Ryan (1) -; (2) UoM; Ryan, K.(1); Edmondson, S.(1); Derby, B.(1); Barg, s.(2);
11:20 AM		03-040 - Invited Programming self-shaping in ceramics through bio-inspired microstructural design Rafael Libanori (Switzerland) (1) RL; (2) FLB; (3) HLF; (4) ARS; Libanori, R.(1); Bargardi, F.(2); Le Ferrand, H.(3); Studart, A.(4);





POSTER PRESENTATIONS





Symposium A:
Additive Manufacturing of Ceramics

Jens Günster

- 01-014 20, June
3D Printed SiCN Ceramic Microreactor System from Photo-Curable Pre-ceramic Resin
Ki-Won Gyak (South Korea)
(1) KWG; (2) DPK;
Gyak, K.(1); Kim, D.(2);
- 01-019 20, June
Properties of porous hydroxyapatite scaffolds obtained by conversion of 3D printed gypsum structures
Alan C. S. Dantas (Brasil)
(1) UNIVASF; (2) BAM;
Dantas, A.(1); Wirth, C.(2);
- 01-026 20, June
Effects of laser parameters on the fabrication of alumina bodies with boron carbide addition
Rongzhen Liu (China)
(1) HUST;
Liu, R.(1);
- 01-048 20, June
Reaction sintering of SiC using Nd:YAG laser
Satoshi Suehiro (Japan)
(1) JFCC;
Suehiro, S.(1); Kimura, T.(1);
- 01-063 20, June
Microstructure and mechanical properties of UHMWPE/calcium phosphate composites manufactured by selective laser sintering
Aline Santos Silva (Brazil)
(1) UFSC;
Silva, A.S.(1); Piaia, L.(1); Salmoria, G.(1); Hotza, D.(1);
- 01-073 20, June
Surface metal Printing on oxide ceramics
Bruno Pacheco Henriques (Brasil)
(1) UFSC; (2) UMINHO;
Henriques, B.P.(1); Moura, C.(1); Silva, F.S.(2);
- 01-074 20, June
Viscoelastic properties and Creep-Fatigue behavior of PA2200/HA composites manufactured by selective laser sintering
Dachamir Hotza (Brasil)
(1) UFSC;
Dabbas, F.(1); Salmoria, G.(1); Stares, S.L.(1); Hotza, D.(1);
- 01-075 20, June
Fabrication of oxid ceramics by using FDM/FFF technology
Frank Jörg Clemens (Switzerland)
(1) Empa;
Clemens, F.J.(1); Gorjan, L.(1);

Symposium B:
Advances in Bioceramics

Juliana Marchi

- 02-004 19, June
Study of Addition Speed of Reagents in the Synthesis of Hydroxyapatite by the Sol-gel Method Using Chicken Eggshells as Precursors
Adilson Quizunda (Brasil)
(1) UNESA; (2) UERJ; (3) PUC;
Aguilar, M.S.(1); De Campos, J.B.(2); Di Lello, B.C.(1);
- 02-005 18, June
Vickers microhardness measurements in hydroxyapatite synthesized by the sol-gel method using egg shell as precursor
Marcelo Machado, V (Brasil)
(1) UNESA; (2) UERJ;
Aguilar, M.S.(1); De Campos, J.B.(2); Machado, V. M.(2); Ramos, V.S.(2);
- 02-008 19, June
Evaluation of calcium aluminate cement based compositions for bone repair via ex vivo tests.
Julia Marinzeck de Alcântara Abdala (Brasil)
(1) Univap; (2) Unesp; (3) UFSCar; (4) UNIVAP;
Abdala, J.M.A.(1); Vasconcellos, L.M.R.(2); Pandolfelli, V
- 02-009 18, June
Mechanical properties of bone repairing like compositions based on calcium aluminate cement
Gabriela do Vale Vieira (Brasil)
(1) UNIVAP; (2) UFSCar;
Vieira, G.V.(1); Santos, P.C.O.(1); Pandolfelli, V.C.(2); Oliveira, I.R.(1);
- 02-010 19, June
Cell adhesion on calcium aluminate cement compositions for bone repair application
Ivone Regina Oliveira (Brasil)
(1) UNIVAP; (2) IEAV-CTA; (3) UNESP; (4) UFSCar;
Oliveira, I.R.(1); Origo, F.D.(2); Mello, D.R.(3); Pandolfelli, V.C.(4);
- 02-011 18, June
Synthesis and characterization of biphasic calcium phosphates for biomedical applications
Hudson de Araújo Batista (Brasil)
(1) UFSCG;
Batista, H.A.(1); Santos, P.T.A.(1); Araujo, R.M.E.(1); Oliveira, H.M.L.(1); Leite, R.B.(1); Costa, A.C.F.M.(
- 02-012 19, June
Silicon nitride ceramics with SiO₂, SrO and Al₂O₃ additions for bone replacements
Cecilia Chaves Guedes-Silva (Brasil)
(1) SENAI-SP; (2) UFABC; (3) USP; (4) IPEN;
Nascimento, S.F.(1); Rodas, A.C.D.(2); Carvalho, F.M.S.(3); Higa, O.Z.(4); Guede

02-013	18, June Nanocomposite of MCM-41/Fe ₃ O ₄ /Au for application in hyperthermia Isabela Barreto da Costa Januário (Brazil) (1) CDTN; Januário, I.B.C.(1); Sousa, E.M.B.(1); Macedo, W.A.A.(1); Hneda, M.L.(1);	02-030	19, June Obtaining porous bodies of hydroxyapatite and beta tricalcium phosphate using gelatin Eliaana Cristina Da Silva Rigo (Brasil) (1) USP; Rigo, E.C.S.(1); Conti, G.T.(1); Vercik, L.C.O.(1); Vercik, A.(1);
02-014	19, June Gold nanorods coated by mesoporous silica for application in hyperthermia Lucas Bessa Lopes (Brazil) (1) CDTN; Lopes, L.B.(1); Sousa, E.M.B.(1);	02-031	18, June Study of hydroxyapatite containing propolis of Brazilian origin: characterization, antimicrobial activity and cytotoxic effect materials Eliaana Cristina Da Silva Rigo (Brasil) (1) USP; Rigo, E.C.S.(1); Scatolini, A.M.(1); Pugine, S.M.P.(1); Ve
02-015	18, June 153Sm and 159Gd Doping Boron Nitride Nanotubes: potential application in nanomedicine Marcelo Fernandes Cipreste (Brazil) (1) CDTN; Da Silva, W.M.(1); Coco, A.M.A.(1); Cipreste, M.F.(1); Ferreira, G.A.(1); Sousa, E.M.B.(1);	02-032	19, June Study of obtaining hydroxyapatite-collagen based biocomposite Luiz Felipe Ribal (Brazil) (1) UFABC; Ribal, L.F.(1); Ribeiro, C.(1);
02-018	19, June Synthesis and characterization of 89Sr-doped hydroxyapatite nanorods as a potential agent for intervention in bone tumors Michele Rocha Rezende (Brazil) (1) CDTN; Rezende, M.R.(1); Sousa, E.M.B.(1);	02-037	18, June Synthesis of Hydroxyapatite from eggshell of chicken Wladimir Jefferson Bacalhau Sousa (Brasil) (1) UFCG; (2) UEPB; Sousa, W.J.B.(1); Barbosa, R.C.(1); Bezerra Junior, A.G.(1); Tomaz, A.F.(2); Fook, M.V.(1); Farias, K.A.S.(1); Cardoso, M.J.B.(
02-020	18, June Hybrid polymeric systems of mesoporous silica/hydroxyapatite nanoparticles applied as antitumor drug delivery platform Rafaela Caroline Rodrigues dos Apostolos (1) CDTN; Andrade, G.F.(1); Apostolos, R.C.R.(1); Silva, W.M.(1); Sousa, E.M.B.(1)	02-038	19, June APPLICATION OF THE RIETVELD METHOD IN CERAMIC BIOMATERIALS AS AN ALTERNATIVE TO THE STANDARD FOR THE CHARACTERIZATION OF CRYSTALLINE PHASES Klaidson Antonio Sousa Farias (Brasil) (1) UFCG; (2) UEPB; (3) ICV-CSIC; Farias, K.A.S.(1); Cardoso, M.
02-021	19, June Synthesis and characterization of hybrid materials based on mesoporous silica mcm-41 and responsive hydrogels as devices for controlled drug release Tatiane dos Santos Lisboa (Brazil) (1) CDTN; (2) UFMG; Lisboa, T.S.(1); Sousa, E.M.B.(1); Sou	02-039	18, June Synthesis of osseous cement with brushite from wollastonite Klaidson Antonio Sousa Farias (Brasil) (1) UFCG; (2) ICV-CSIC; Farias, K.A.S.(1); Carrodeguas, R.G.(2); Rodriguez, M.A.(2); Sousa, W.J.B.(1); Lima, R.J.S.(1); Monúa, O.C.(1); Cardoso,
02-022	18, June Biodegradable Polymers grafted into Multifunctional Mesoporous Silica Nanoparticles for Gene Delivery Egídio Paulo Francisco Nhavene (Brazil) (1) CDTN; Nhavene, E.P.F.(1); Sousa, E.M.B.(1);	02-041	19, June Development and characterization of calcium phosphate cements containing collagen Christiane Ribeiro (Brasil) (1) UFABC; Ribeiro, C.(1); Lima, V.A.D.(1); Setz, L.F.G.(1);
02-025	19, June Synthesis and characterization of bioactive ceramic in CaO-MgO-SiO ₂ system Daniel de Rezende Leme (Brazil) (1) IPEN; (2) UFABC; Leme, D.R.(1); Morais, V.R.(1); Rodas, A.C.D.(2); Higa, O.Z.(1); Yamagata, C.(1);	02-042	18, June PVA-based magnetic nanocomposite material produced by aqueous tape casting Antonio Carlos Silva Costa (Brasil) (1) UFRN; Costa, A.C.S.(1); Alves, H.P.A.(1); Correa, M.A.(1); Acchar, W.(1);

02-046	19, June Influence of Crystalline Composition on Mechanical and Manipulation Properties in Bone Cement obtained from Wollastonite Otto Cumberbatch Morúa (Brasil) (1) UFCEG; (2) ICV-CSIC; Cardoso, M.J.B.(1); Morúa, O.C.(1); Farias, K.A.S.(1); Sousa, W.J.	02-062	19, June Evaluation of reduced graphene oxide -reinforced zirconia ceramics processing conditions Valter Ussui (Brazil) (1) USP; (2) IPEN; Ussui, V.(1); Manarão, D.S.(2); Cordeiro, G.L.(1); Tertuliano, A.J.O.(2); Machado, I.F.(2); Lazar, D.R.R.(1); Ces
02-047	18, June Antitumor activity of silver tungstate (Ag_2WO_4) irradiated by different methods Thaiane Alcarde Robeldo (Brazil) (1) UFSCar; (2) UNESP; Robeldo, T.A.(1); Assis, M.(1); De Foggi, C.C.(1); Kubo, A.M.(1); Borra, R.C.(1); Longo, E.(2);	02-063	18, June Preparation of Er^{3+}/Yb^{3+} co-doped Bioactive Material with Containerless Processing qin li (China) (1) QL; Li, q.(1);
02-048	19, June Antifungal activity and biocompatibility of silver tungstate (Ag_2WO_4) irradiated by different methods Camila Cristina de Foggi (Brazil) (1) UFSCar; (2) UNESP; De Foggi, C.C.(1); Assis, M.(1); Kubo, A.M.(1); Barbugli, P.A.(2); Vergani, C.E.(2);	02-064	18, June Influence of manganese on the structure and in vitro behaviour of sol-gel derived bioactive glasses Breno Rocha Barrioni (Brasil) (1) UFMG; (2) Imperial College; Barrioni, B.R.(1); Jones, J.R.(2); Naruphontjirakul, P.(2); Pereira, M.M.(1);
02-049	18, June Crystallographic characterization of non-stoichiometric glass-ceramics in LiO_2 - SiO_2 system containing CeO_2 Manuel Fellipe Rodrigues Pais Alves (Brasil) (1) UERJ; (2) EEL/USP; (3) UFF; Alves, M.F.R.P.(1); Suzuki, P.A.(2); Freitas, B.X.(2); Ghus	02-065	19, June Characterization of hydroxyapatite of bone ash for use as Bioceramic Ricardo Yoshimitsu Miyahara (Brazil) (1) Unicentro; Miyahara, R.Y.(1); Bonadio, T.G.M.(1); Freitas, V.F.(1); Oliveira, P.C.(1); Gomes, A.(1);
02-050	19, June Mechanical behaviour of dental ceramics based on lithium silicate Manuel Fellipe Rodrigues Pais Alves (Brasil) (1) UNESP; (2) UERJ-FAT; (3) UERJ; Alves, M.F.R.P.(1); Santos, C.(1); Simba, B.G.(2); Campos, L.Q.B.(3); Ferreira, I.S.(1);	02-066	18, June Y-TZP dental ceramics: Sintering process improvement using microwave energy. Amon Solano (Brasil) (1) IPEN; Solano, A.(1); Arata, A.(1); Lima, N.B.(1); Ussui, V.(1); Lazar, D.R.R.(1);
02-054	18, June Preparation and characterization of composite ferrite@ SiO_2 /hydroxyapatite Tarciana Araújo Santos Polyana (Brasil) (1) UFCEG; Polyana, T.A.S.(1); Araujo, R.M.E.(1); Batista, H.A.(1); Nepomuceno, F.G.(1); Leite, R.B.(1); Costa, A.C.F.M.(1);	02-067	19, June Effect of sintering conditions of zirconia-yttria-titania-based ceramics composite on the densification and microstructure Anelyse Arata (Brasil) (1) IPEN; (2) Ufto; (3) UFABC; Arata, A.(1); Ussui, V.(1); Lima, N.B.(1); Lazar, D.R.R.(1); De So
02-057	19, June Obtainment of calcium phosphate based bio-cement using fishing industry waste (tilapia carcass) Tarcília Amaral Corrêa (Brazil) (1) UENF; Corrêa, T.A.(1); Holanda, J.N.F.(1);	02-069	18, June Microstructural evaluation of Y-TZP/ TiO_2 composite Valter Ussui (Brazil) (1) IPEN; (2) FOUUSP; (3) UFABC; (4) USP; Ussui, V.(1); Miranda, R.B.P.(2); Lima, N.B.(1); Lazar, D.R.R.(1); Marchi, J.(3); Cesar, P.F.(4);
02-059	18, June Orthophosphate silica nanocomposite as a bioactive material for medical application Mateusz Dulski (Poland) (1) M.D.; (2) K.D.; (3) D.Ch.; (4) T.G.; (5) J.K.; (6) S.S.; (7) A.M-W; Dulski, M.(1); Dudek, K.(2); Chalon, D.(3); Goryczka, T.(4); K	02-071	19, June Evaluation and characterization of an innovative treated zirconia as an alternative for Neoporos® titanium used in implantology Rúbia Eri Teruya (Brazil) (1) UFPR; (2) Neodent; Teruya, R.(1); Guimarães Castro, C.(2); Marino, C.E.B.(1);

02-072	18, June Structural characterization of sol-gel derived bioactive glasses containing silver: Akiko Moura Hanasiro (Brazil) (1) UFABC; (2) IFSC-USP; De Queiroz, A.P.(1); Zambanini, T.(1); Hanasiro, A.M.(1); Borges, R.(1); Schneider, J.F.(2); Marchi, J.(
02-073	19, June Bioactivity behavior of sol-gel derived bioactive glasses containing holmium oxide Giulia Piagentini Delpino (Brazil) (1) UFABC; Piagentini Delpino, G.(1); Zambanini, T.(1); Borges, R.(1); Marchi, J.(1);
02-076	18, June Synthesis of strontium-containing bioactive glass submicron particles using a rapid route for biomedical applications Layla Mosqueira (Brasil) (1) UFMG; Mosqueira, L.(1); Pereira, M.M.(1); Serakides, R.(1);
02-077	19, June Study of the structural properties of bioglass-ceramic composites for biomedical applications José de los Santos Guerra (Brazil) (1) UFU; (2) Universidad de La Habana; Levy-santos, L.(1); Mendez-gonzález, Y.(2); Dantas, N.O.(1); De Los Santos
02-078	18, June Strategies for surface functionalization of sol-gel derived bioactive glasses grafted with functional organosilane groups Marina Almeida Santos de Nardi (Brazil) (1) UFABC; Nardi, M.A.S.(1); Seabra, A.B.(1); Borges, R.(1); Marchi, J.(1);
02-079	19, June Bioactive Glass Scaffolds for Bone Tissue Engineering Prepared by Gelcasting of Foams Eliandra Sousa Trichês (Brasil) (1) UNIFESP; Trichês, E.S.(1); De Siqueira, L.(1);
02-082	18, June In vitro biological characterization of biocompatible glasses based on SiO ₂ -CaO-P ₂ O ₅ -AgO system Juliana Marchi (Brasil) (1) SENAI; (2) USP; (3) UFABC; Mendes, A.P.Q.(1); Marchi, J.(2); Rigo, E.C.S.(3); Santos Jr, A.R.(2); Pugine, S.M.P.(3);
02-083	19, June Development of polymer-ceramic biocomposites for application in endodontia Josué da Silva Buriti (Brasil) (1) UFCG; Buriti, J.S.(1); Barreto, M.E.V.(1); Fook, M.V.(1);

02-088	18, June Evaluation of controlled crystallization on mechanical properties of phosphate glasses Denise Stolle da Luz Weiss (Brazil) (1) ; Weiss, D.S.(1);
02-089	19, June In vivo evaluation of drug delivery system for treatment of osteomyelitis associated with bone repair Karen Cristina Kai (Brasil) (1) UFABC; (2) FMJ; Kai, K.C.(1); De Araújo, D.R.(1); Cunha, M.R.(2); Marchi, J.(1);
02-093	18, June Development of a new sol-gel synthesis route to obtain bioactive glasses containing iron oxide phases for applications in hyperthermia Roger Borges (Brasil) (1) UFABC; Borges, R.(1); Ferreira, L.M.(1); Rettori, C.(1); Marchi, J.(1);
02-095	19, June Hydroxyapatite/Alginate/Pluronic® biocomposite scaffolds for alendronate delivery in osteoporosis. Rodrigo Fernando Costa Marques (Brasil) (1) UNESP; (2) IBEC; Marques, R.F.C.(1); Da Costa, T.P.(1); Jafelicci Junior, M.(1); Engel, E.(2); Amodi
02-097	18, June Bioactivity behavior and cytotoxicity of SiO ₂ -NaO ₂ -CaO-P ₂ O ₃ -RE ₂ O ₃ (RE=Yb, Gd) glasses Telma Zambanini (Brazil) (1) UFABC; Zambanini, T.(1); Symposium C: Bioinspired Ceramics and Composites

Symposium C:
Bioinspired Ceramics and Composites

André R. Studart / Eduardo Saiz / Rafael Libanori

03-001	19, June New mathematical modelling for grain size distribution adjustment in civil concrete Caroline Moraes da Cruz (Brasil) (1) UNIFAL-MG; (2) IFSULDEMINAS; (3) UNIFAL - MG; (4) UNESP; Maestrelli, S.C.(1); Da Cruz, C.M.(1); Grillo, R.H.F.(2); Roveri
03-002	20, June New Mathematical Modelling for Grain Size Distribution Adjustment in Civil Concrete Caroline Moraes Cruz (Brasil) (1) UNIFAL-MG; (2) UNESP; (3) IFSULDEMINAS; Cruz, C.M.(1); De Morais, E.M.(2); Grillo, R.F.(3); Del Roveri, C.(1); Maestrelli, S.

03-007	20, June Study of the Effect of the Addition of the Limestone Filler Produced in the State of the RN in the Concrete Strength Amanda Regina de Souza Macedo (Brazil) (1) UFRN; Da Luz, D.S.(1); Silva, A.S.(1); Macedo, A.S.(1); Gomes, U.U.(1);	03-015	20, June Elastic Wave Band Gaps in a Bio-Inspired Phononic Crystal Edson Jansen Pedrosa Miranda Jr. (Brasil) (1) UNICAMP/IFMA; (2) UNICAMP; Miranda Jr., E.J.P.(1); Dos Santos, J.M.C.(2);
03-008	19, June Synthesis and antiangiogenic properties of ZnWO ₄ and ?-Ag ₂ WO ₄ nanoparticles Carla Júnia Santos (Brazil) (1) UNIFEI; Santos, C.J.(1); Soares, D.F.(1); Filho, F.M.(1);	03-016	19, June Synthesis of Fe ₃ O ₄ particles for applications in cancer treatments by magnetic hyperthermia. Fernanda Aparecida Sampaio da Silva (Brazil) (1) UFF; Da Silva, F.S.(1); Campos, M.F.(1);
03-009	20, June Influence of aluminum powder in mechanical and physical properties of the autoclaved concrete Arthur Jackson Alves de Sousa (Brazil) (1) UFRN; (2) UnP; Da Luz, D.S.(1); Lima, F.M.(2); De Sousa, A.A.(2); Dos Santos, M.B.(2); Silva, A.S.(1); Gom	03-017	20, June Development and production of zirconia-alumina ceramic coatings reinforced with rare earth oxide for application in the exhaust system of gas turbines in the aerospace sector. Yogendra Prasad Yadava (Brasil) (1) UFPE; Gomes, N.L.(1); Yadava, Y
03-010	19, June In vitro bioactivity tests in a composite based on magnetite, polyvinylidene fluoride and calcium phosphate using simulated body fluid (SBF) Milena Schroeder Malherbi (Brazil) (1) Unicentro; (2) UEM; Malherbi, M.S.(1); Silva, L.M.(2); Bini, R.	03-018	19, June Environmental problems in the production of gypsum encourage its recycling and reuse for the production of new composites Fabio José Esper (Brasil) (1) USP; Bartolomei, S.S.(1); Moura, E.(1); Wiebeck, H.(1); Esper, F.J.(1);
03-011	20, June Development and characterization of non-sintered blocks of HAp91@/silk fibroin dissolved with formic acid Sergio Akinobu Yoshioka (Brasil) (1) USP; (2) PPGIB - USP; (3) JHS; Yoshioka, S.A.(1); Restrepo, S.G.(1); Vieira, D.(2); Castro Máximo Bi	03-019	20, June Synthesis of SnO ₂ trough eggshell membrane biomimetization: influence of thermal treatment Rubens Camaratta (Brazil) (1) R.C.; (2) U.P.N.; (3) K.P.V.; Camaratta, R.(1); Nunes, U.P.(2); Vieira, K.P.(3);
03-012	19, June Production and Characterization of Hydroxyapatite/Beta-Tricalcium Phosphate Scaffolds by Gelcasting Method Eliandra Sousa Trichês (Brasil) (1) UNIFESP; Trichês, E.S.(1); Barbosa, L.(1);	03-021	19, June Porous biomimetic sioc-based ceramics obtained from infiltration of wood templates with a preceramic polymer María Laura Sandoval (Argentina) (1) INTEMA; Certuche-arenas, C.S.(1); Sandoval, M.L.(1); Camerucci, M.A.(1);
03-013	20, June Synthesis and properties of 0.7PVDF-0.3BTNN30/70 lead-free composites Jaciele Marcia Rosso (Brazil) (1) UEM; (2) Unicentro; Rosso, J.M.(1); Burato, J.A.(1); Volnistem, E.A.(1); Bonadio, T.G.M.(2); Silva, D.M.(1); Sanguino, G.(1); Freitas, V.F.	03-022	20, June Study of the addition of Nb ₂ O ₅ in the particulate composites with EUROFER steel through the high energy milling. Roberta Araujo Cavalcante de Menezes (Brasil) (1) UFRN; Menezes, R.A.C.(1); Gomes, U.U.(1); Silva, A.S.(1); Oliveira, L.A.(1);
03-014	19, June Nanostructuration effects on the dielectric and ferroelectric properties Ba _{0.2} Na _{0.8} Ti _{0.2} Nb _{0.2} O ₃ polycrystal Jaciele Marcia Rosso (Brazil) (1) UEM; (2) Unicentro; Rosso, J.M.(1); Burato, J.A.(1); Santos, G.M.(1); Bonadio, T.G.M.(2); Silva, D.M.	03-024	19, June Ceramic and mechanical testing of industry residual of ceramic industries and their utilization in ceramic masses for production of crafts products. Germannya D´Garcia Silva (Brasil) (1) UFPE; Silva, G.D.(1); Silva, J.C.(1); Yadava, Y.P.(1); A

- 03-027 20, June
Evaluation of bioactive glass effect on fluid handling capacity of novel 3D composites of chitosan/bioactive glass for wound dressing applications
Talita Martins (Brazil)
(1) UFMG; (2) CEFET-MG;
Martins, T.(1); Costa Júnior, E.S.(2); Pereira,
- 03-028 19, June
Cobalt therapeutic ion incorporated into the hybrid scaffold polyvinyl alcohol (PVA) / bioactive glass (BG) and its implications in angiogenesis
Andréia Grossi S Laia (Brasil)
(1) UFMG; (2) ICB;
Laia, A.G.(1); De Sá, M.A.(1); Valverde, T.M.(2)
- 03-035 20, June
Manufacturing and characterization of biocomposites of poly (lactic acid-co-glycolic acid) (plga) with bioceramics of calcium phosphates
Thaianne Balestrieri Knopf (Brasil)
(1) UFSC;
Knopf, T.B.(1); Aragones, A.(1); Fredel, M.C.(1);
- 03-044 19, June
Study of the addition of residues of the sawdust of ornamental rock from parelha's region in rio grande do norte, using as raw material for ceramic coating
Marcondes Mendes Souza (Brasil)
(1) IFRN;
Souza, M.M.(1);
- 03-045 20, June
Polymer-ceramic composite films: Microstructural and Electric characterizations
Agda Eunice de Souza (Brasil)
(1) UNESP/FCT; (2) FCT/Unesp; (3) FEIS/Unesp; (4) FEIS/UNESP; (5) UNESP;
Souza, A.E.(1); Eunice De Souza, D.E.(2); Rubira, R.J.G.(2);

**Symposium D:
Cements and Geopolymers**

Rafael G. Pileggi

- 04-002 8, June
Evaluation of the pozzolanic activity of peat in Portland cement
Sylma Carvalho Maestrelli (Brasil)
(1) UNIFAL-MG; (2) IFSULDEMINAS;
Oliveira, D.C.(1); Cruz, C.M.(1); Grillo, K.F.(2); Del Roveri, C.(1); Grillo, R.F.(2); Maestrelli, S.C.(1);
- 04-003 19, June
Evaluation of the pozzolanic activity of peat in Portland cement
Sylma Carvalho Maestrelli (Brasil)
(1) UNIFAL-MG; (2) IFSULDEMINAS; (3) UNIFAL - MG;
Maestrelli, S.C.(1); Oliveira, D.C.(1); Grillo, K.F.(2); Da Cruz, C.M.(1); Roveri, C.(3); Grillo, R.H.F.(2);

- 04-006 18, June
Investigação experimental das propriedades termomecânicas de pastas de cimento aditivadas com Poliuretana (PU) submetidas à elevada temperatura.
Italo Batista da Silva (Brasil)
(1) IFRN; (2) UFRN; (3) UFERSA; (4) UFPB;
Silva, I.B.(1); Martinel
- 04-007 19, June
Recycling of Polycarbonate Lenses for The Manufacture of Translucent Concrete Block
Aline da Rocha Santos (Brasil)
(1) UMC;
Santos, A.R.(1); Mossri, M.V.M.(1); Cunha, E.S.(1);
- 04-008 18, June
Portland cement matrix containing micro and nano-silica
Thiago Melanda Mendes (Brasil)
(1) UTFPR; (2) UFSC;
Mendes, T.M.(1); Repette, W.L.(2);
- 04-010 18, June
Analysis and comparison of chemosynthetic and metakaolin based geopolymers
Mariana Arruda Pereira (Brasil)
(1) UFMG;
Pereira, M.A.(1); Vasconcelos, W.L.(1); Vasconcelos, D.C.L.(1); Lopes, G.B.(1);
- 04-011 18, June
Partial replacement of fine recycled aggregate in blocks of structural masonry
José Carlos Borba Jr (Brasil)
(1) UFS; (2) IFES;
Cavalcante, A.S.G.(1); Elias, R.C.R.(1); Borba Jr, J.(1); Avelar, M.G.(2); Silva, L.S.O.(1);
- 04-012 19, June
Use of the residue of the grinding machining process of the industry mechanical metal in concrete manufacturing
João Cláudio Ferreira Soares (Brasil)
(1) CEULM; (2) UEA;
Soares, J.C.F.(1); Fernandes, F.F.(2); Soares, R.P.(1); Silva, C.C.(2); OI
- 04-013 18, June
A novel magnesia-alumina based binder for in situ spinel-bonded corundum refractory castables
Dominika Madej (Polônia)
(1) AGH;
Madej, D.(1); Prorok, R.(1);
- 04-015 20, June
Thermal properties of lightweight concrete formulated using expanded clay and expanded vermiculite
Suelen Mendonça Camargo (Brasil)
(1) UFRN; (2) IFPA; (3) UNIFACEX;
Martinelli, A.E.(1); Camargo, S.M.(2); Sampaio, Z.L.M.(3); Marinho, G.S.(1);

04-016	18, June Alkali-activated materials from different aluminosilicate sources: effect of calcium and aluminum availability Ameni gharzouni (França) (1) SPCTS; (2) ICMM; Gharzouni, A.(1); Rossignol, s.(1); Ouamara, I.(1); Sobrados, I.(2);	04-028	20, June Behavior of the activated alkali cement (AAC) obtained from blast furnace slag, rice husk ash (RHA) and metakaolin (MK) Andreza Frare (Brazil) (1) UTFPR; (2) UTFPR-PB; Frare, A.(1); Perardt, M.(2); Da Luz, C.A.(1); Pereira Filho, J.(1);
04-017	19, June Effect of fiber volume factor incorporated in cement-based composites with and without mineral additions. Felipe Sérgio Bastos Jorge (Brazil) (1) CEFET-MG; Jorge, F.B.(1); Rodrigues, C.S.(1);	04-029	18, June Activate fly ash reaction using bauxite residue in blended cement Marcelo Montini (Brazil) (1) UFSCar; (2) EPFL; (3) Poli-USP; Montini, M.(1); Li, X.(2); Romano, R.C.O.(3); Rodrigues, J.A.(1); Pileggi, R.G.(3); Scrivener, K.(2);
04-019	18, June Utilization of gypsum from construction and demolition waste in Portland cement mortar. Maria Lucia Pereira Antunes (Brasil) (1) UNESP/Sorocaba; (2) UNESP; Antunes, M.L.P.(1); De Sá, A.B.(1); Oliveira, P.S.(1); Souza, C.S.(1); Durrant, S.F.(2)	04-032	18, June Utilization of waste from TiO ₂ production for portland cement's obtention José da Silva Andrade Neto (Brasil) (1) UFBA; Mariani, B.B.(1); Andrade Neto, J.S.(1); Amorim Júnior, N.S.(1); Ribeiro, D.V.(1);
04-020	18, June Study of loading influence at different areas of concrete based on concreting time Gabriel Soares Bento (Brasil) (1) UNIT; (2) IFS; Bento, G.S.(1); Júnior, W.S.S.(1); Bispo, I.S.(1); De Castro, A.G.N.(1); Lima, A.C.A.(1); Santos, D.S.(1); Lima	04-035	18, June Evaluation of pozolanicity of granite rock fine (STONE POWDER) José da Silva Andrade Neto (Brasil) (1) UFBA; Santos, T.A.(1); Andrade Neto, J.S.(1); Amorim Júnior, N.S.(1); Ribeiro, D.V.(1);
04-023	19, June Comparative analysis of concrete with oil residues and setting time retarder additive for pavement application. Sherington Augusto Milani Bigotto (Brazil) (1) UNESP; Bigotto, S.M.(1); Fonseca, M.O.(1); Albuquerque, M.F.(1);	04-037	19, June Incorporation of fine fraction of the civil construction waste (FCCW) to produce alkali-activated cement-based binder and mortars Nilson Santana de Amorim Júnior (Brasil) (1) UFBA; Amorim Júnior, N.S.(1); Andrade Neto, J.S.(1); Cilla, M.S.(1);
04-024	19, June Evaluation of the reology of mixed mortars containing res-idue from the production of titanium dioxide (URM) José da Silva Andrade Neto (Brasil) (1) UFBA; Albuquerque, D.M.(1); Andrade Neto, J.S.(1); Amorim Júnior, N.S.(1); Ribeiro, D.V.(1);	04-038	20, June Advanced oxidative process (aop) in geopolymer slurries with tio ₂ waste addition Marcelo Strozi Cilla (Brasil) (1) UFBA; Amorim Júnior, N.S.(1); Andrade Neto, J.S.(1); Cilla, M.S.(1); Ribeiro, D.V.(1);
04-025	18, June Evaluation of the residue influence from the production of titanium dioxide (URM) in the hydration of mixed pastures of portland cement and hydrated cal José da Silva Andrade Neto (Brasil) (1) UFBA; Albuquerque, D.M.(1); Andrade Neto, J.S.(1);	04-040	18, June Influence of replacement of Portland cement by limestone filler on the hardened state of micro-concretes Gabriel Carpinelli Perozzi Brasileiro (Brasil) (1) USP; Brasileiro, G.C.P.(1); Mesquita, J.A.F.S.(1); Maciel, M.H.(1); Romano, R.C.O.(1);
		04-041	19, June Study of the replacement of portland cement for ground glass in the production of mortar Erica Natasche de Medeiros Gurgel Pinto (Brasil) (1) UFERSA; Pereira, M.M.L.(1); Silva, I.P.D.(1); Freitas, F.G.C.(1); Pinto, E.N.M.G.(1); Cabral, K.C.(1)

04-042	18, June Rheological properties of cementitious pastes with different types and contents of mineral additions José Augusto Ferreira Sales de Mesquita (Brasil) (1) USP; Mesquita, J.A.F.S.(1); Maciel, M.H.(1); Romano, R.C.O.(1); Pileggi, R.G.(1); Brasile	04-051	18, June Use of Civil Construction and Demolition Waste to Produce Concrete Blocks Afonso Rangel Garcez Azevedo (Brasil) (1) UNIREDEDENTOR; (2) REDENTOR; (3) UniRedentor; (4) UENF; Cerqueira, N.A.(1); Andrade, D.L.(2); Souza, V.B.(1); Azevedo, A.R.G.(3);
04-043	18, June Metakaolin as aluminum source in Supersulfated Cement Letícia Volkweis (Brazil) (1) UTFPR; Volkweis, L.(1); Da Luz, C.A.(1); Pereira Filho, J.(1); Bortolozzo, P.H.(1); Mantelli, D.F.(1); Perardt, M.(1);	04-052	18, June The use of marble waste in concrete structural blocks Afonso Rangel Garcez Azevedo (Brasil) (1) UNIREDEDENTOR; (2) REDENTOR; (3) UniRedentor; (4) UENF; Cerqueira, N.A.(1); Andrade, D.L.(2); Silva, M.O.(3); Souza, V.B.(1); Azevedo, A.R.G.(4); Gom
04-044	19, June Alkaline activation of blast furnace slag with red mud: monitoring of chemical reaction and mineralogical changes Heitor Montefusco Bernardo (Brasil) (1) USP; Bernardo, H.M.(1); Romano, R.C.O.(1); Pileggi, R.G.(1); Cincotto, M.A.(1);	04-053	19, June Mechanical characterization of concrete with recycled aggregates, fine and coarse Pedro Valle Salles (Brazil) (1) CEFET MG; Salles, P.V.(1);
04-045	20, June Carbonation of alkaline activated slag (AAS): a comparison with Portland cement Mariana Perardt (Brasil) (1) UTFPR; Kretschmer, L.C.(1); Pereira, H.L.B.(1); Bortolozzo, P.H.(1); Da Luz, C.A.(1); Perardt, M.(1); Mantelli, D.F.(1); Volkweis, L.(1);	04-056	20, June Properties of ultra-high performance concrete mixture made using particle packing theory and with incorporation of carbon nanotubes. Thiago Marques Viana (Brazil) (1) CEFET-MG; (2) UFMG; Viana, T.M.(1); Ludvig, P.(1); Santos, W.J.(2);
04-046	19, June Effect of hydrothermal treatment on phase composition of novel binder from MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O phase system Ryszard Prorok (Polônia) (1) AGH; Prorok, R.(1); Madej, D.(1);	04-061	20, June Characterization of waste foundry sand (WFS) and use for production of concrete blocks Renata da Silva Magalhães (Brasil) (1) UNESP/FCT; Magalhães, R.S.(1); Santos, L.F.(1); Santos, G.T.A.(1); Leme, T.S.(1); Souza, A.E.(1); Teixeira, S.R.(1);
04-047	18, June Contribuição ao estudo de cimentos supersulfatados: resistência ao ataque de sulfatos Ademanda Paula dos Santos (Brazil) (1) UTFPR; Dos Santos, A.P.(1);	04-062	18, June Mechanical fracture behavior of cement pastes incorporated with carbon nanotubes and nanofibers synthesized in-situ in Portland cement clinker Francisco Aristides Santos Neto (Brazil) (1) CEFET-MG; (2) UFMG; (3) CTNano; Santos Neto, F.A.(1); L
04-048	19, June Chemical shrinkage of cementitious pastes with incorporation of different mineral additions Roberto Cesar de Oliveira Romano (Brasil) (1) USP; Muniz, G.H.U.(1); Romano, R.C.O.(1); Mesquita, J.A.F.S.(1); Brasileiro, G.C.P.(1); Maciel, M.H.(1);	04-063	19, June Incorporation of Galvanic Sludge in the production of soil-cement blocks Igor Lazzaretti (Brazil) (1) UTFPR-PB; (2) UTFPR; Navarini, C.(1); Baldin, C.R.B.(1); Pereira Filho, J.(2); Angulski Da Luz, C.(2); Camargo, G.(1); Lazzaretti, I.(1);
04-050	18, June Effect of physical particle characteristics on the consolidation of cementitious suspensions Marcel Hark Maciel (Brasil) (1) USP; Maciel, M.H.(1); Romano, R.C.O.(1); Pileggi, R.G.(1);	04-064	19, June Análise da utilização de detergente sintético em substituição ao aditivo plastificante em concreto de cimento portland Erica Natasche de Medeiros Gurgel Pinto (Brasil) (1) UFERSA; Pinto, E.N.M.G.(1);

04-065	18, June Lightweight Concrete: Analysis of different traces of expanded clay, polystyrene and basaltic gravel Gabriel Soares Bento (Brasil) (1) UNIT; De Santana, V.S.(1); Bento, G.S.(1); Carvalho, L.E.O.(1); Abreu, B.V.(1); Silva, R.A.C.(1);	04-078	19, June Efflorescence in calcined kaolin sludge based geopolymers Ana Paula Kirchheim (Brazil) (1) APK; (2) ED RR; Kirchheim, A.(1); Martinez, E.D.R.(2);
04-066	19, June Assessment of damage in concrete cured at different temperatures caused by delayed ettringite formation Diego Jesus De Souza (Canada) (1) UO; De Souza, D.J.(1); Santos, V.(1); Sanchez, L.(1);	04-083	18, June Estudo comparativo de matrizes álcali-ativadas e de cimento Portland: análise por TG/DTG Thiago Ricardo Santos Nobre (Brasil) (1) FOC; Nobre, T.R.S.(1);
04-067	19, June Tribological and Mechanical Performance of Rock Powder Geopolymer Composite Cristyan Zenato Rissardi (Brazil) (1) IMC-UCS; Rissardi, C.Z.(1); Titton, A.P.(1); Cruz, R.C.D.(1);	04-084	19, June Study of soil-cement bricks using mining reject José Carlos Borba Jr (Brasil) (1) UFSJ; Elias, R.C.R.(1); Comerio, L.(1); Duarte, L.N.(1); Bianchi, A.L.(1); Borba Jr, J.(1);
04-068	19, June Water treatment sludge as supplementary cementitious materials in Portland cement Elisandro Alexandre (Brazil) (1) UTFPR; Alexandre, E.(1); Da Luz, C.A.(1); Schuster, G.C.(1); Vicentin, B.(1); Jacobsen, S.(1);	04-085	18, June Development of ceramic insulators based on aluminum silicate geopolymers with additives and different additions of wood residues to adjust the porosity after burning and acoustical capability without burning. Damião Carvalho Pereira (Brasil) (1)
04-069	18, June The Physical effect of the quartz filler on Portland cement hydration. Diego Jesus De Souza (Canada) (1) UO; (2) UFPR; (3) UFOB; De Souza, D.J.(1); Medeiros, M.H.F.(2); Hoppe Filho, J.(3);	04-086	18, June Structural concrete with addition of polypropylene treated bamboo fibers Leila Figueiredo De Miranda (Brasil) (1) MACKENZIE; Miranda, L.F.(1); Carraro, C.G.(1); Monção, C.P.(1); Munhoz Jr, A.H.(1); Masson, T.J.(1);
04-070	18, June study of the use of kaolinite clay in mortars Afonso Rangel Garcez Azevedo (Brasil) (1) UENF; (2) UNIRENTOR; Marvila, M.T.(1); Alexandre, J.(1); Zanelato, E.B.(1); Azevedo, A.R.G.(1); Goulart, M.A.(1); Cerqueira, N.A.(2); Xavier, G.C.(1); Es	04-087	19, June Analysis of the utilization of synthetic detergent in replacement to plasticizer additive in concrete of portland cement Erica Natasche de Medeiros Gurgel Pinto (Brasil) (1) UFERSA; Silva, A.R.(1); Câmara, M.F.(1); Lopes, T.S.(1); Pereira, M.M
04-074	19, June Quantitative techniques for assessing damage and the potential of further distress in concrete affected by internal swelling reactions (isr): an overview Leandro F M Sanchez (Canada) (1) ; Sanchez, L.(1); Regis Junior, W.(1); Terra, M.(1);	04-089	18, June Pseudoboehmite addition in concrete Antônio Hortêncio Munhoz Jr (Brasil) (1) MACKENZIE; (2) UPM; Munhoz Jr, A.H.(1); Emílio, R.(2); Monção, C.P.(1); Carraro, C.G.(1); Peres, R.M.(1); Florencio, O.(2); Miranda, L.F.(1);
04-076	19, June An investigation of binder consumption effects on concrete hardened state. Mayra Tagliaferri de Grazia (Canada) (1) uOttawa; (2) USP; (3) Poli-USP; Grazia, M.T.(1); Sanchez, L.(1); Mesquita, J.A.F.S.(2); Romano, R.C.O.(2); Pileggi, R.G.(3);	04-090	19, June Alternative shrinkage-compensate admixture using an Al-based waste for Ordinary Portland Cement Elisângela Guzi de Moraes (Brasil) (1) UFSC; Souza, M.T.(1); Correa, B.(1); Onghero, L.(1); Repette, W.L.(1); Raupp-pereira, F.(1); Novaes De Olive

04-091	20, June Manufacture of low density geopolymer based composites with incorporation of expanded polystyrene spheres. Kurt Strecker (Brazil) (1) UFSJ; Strecker, K.(1); Lombardi, C.T.(1); Azevedo, A.G.(1);
04-092	18, June Synthesis of zeolite-geopolymer composites via in-situ geopolymerization Andreia De Rossi (Brazil) (1) UFSC; (2) IPVC; (3) UNESC; (4) UA; De Rossi, A.(1); Simão, L.(1); Ribeiro, M.J.(2); Montedo, O.K.(3); Raupp-pereira, F.(1); Novais, R.M.T.(4)
04-094	19, June Use of marble and granite powder as a partial substitution of the cement for the production of argamassa Jhonnaldy Nogueira Sena (Brazil) (1) UFRSA; (2) UFRN; Sena, J.N.(1); Cavalcante, C.T.D.(1); Bezerra, A.P.(2); Filho, M.S.(1);
04-095	20, June Mortar with different rice husk ashes in partial replacement of Portland cement: Pozzolanic activity index and hardened state properties. Camila Crauss (Brazil) (1) UNISC; (2) UFRGS; Crauss, C.(1); Krann, M.L.(1); Basegio, T.M.(2); Dos Santos,
04-097	18, June Characterization of Sugarcane Bagasse Ash for Use in the Production of Geopolymers Mérilin Cristina dos Santos Fernandes (Brasil) (1) UNESP; Fernandes, M.C.S.(1); Luna, C.M.R.(1);
04-098	19, June Influence of curing method and alkaline activators ratio on the geopolymers composition and compressive strength Andreia De Rossi (Brazil) (1) UFSC; (2) IPVC; (3) UA; De Rossi, A.(1); Ribeiro, M.J.(2); Novais, R.M.T.(3); Labrincha, J.A.(3); Ho
04-099	20, June Mortars produced with water submitted to a magnetic field Ana Carolina Parapinski dos Santos (Brazil) (1) UNILA; (2) USP; Santos, A.P.(1); Bandeira, C.M.(2); Silva, P.(1); Figueredo, R.O.(1); Cunha, R.R.R.(1);
04-100	18, June Cemet composite with piezoelectric properties Bruna Niccoli Ramirez (Brasil) (1) UMC; (2) UFABC; Oliveira, W.A.C.(1); Escote, M.T.(2); Ramirez, B.N.(2);

04-101	19, June Study of common Portland cement/Brazilian bentonite systems Rennan Willian Maria (Brazil) (1) USP; (2) ESTÁCIO SÃO PAULO; (3) IFBA; (4) EPUSP; Valenzuela Diaz, F.M.(1); Maria, R.W.(2); Neves, F.D.(2); Brasil, M.D.(3); Oliveira, O.M.(3); Esper,
04-103	20, June Properties of concrete formulation with addition of ceramic scrap like aggregate Carolina Del Roveri (Brasil) (1) UNIFAL-MG; (2) IFSULDEMINAS; Del Roveri, C.(1); Almeida, D.H.(1); Maestrelli, S.C.(1); Grillo, R.H.F.(2); Grillo, K.F.(2);
04-105	20, June Effect of porcelain tile polishing residue on geopolymer cement Fernando Pelisser (Brazil) (1) UFSC; (2) UNESC; Pelisser, F.(1); Ramos, G.(1); Gleize, P.(1); Bernardin, A.M.(2); Poffo, C.(1);

Symposium E:
Ceramics for agriculture and livestock

Caue Ribeiro

05-003	20, June Layered double hydroxide as smart fertilizer Marcela Pias Bernarda (Brasil) (1) UFSCar; (2) Embrapa Instrumentação; (3) UFSCar/ Embrapa; Bernardo, M.P.(1); Guimarães, G.G.F.(2); Ribeiro, C.(3);
05-008	20, June Photocatalytic degradation of organic compounds over g-C ₃ N ₄ /Nb ₂ O ₅ heterostructures. Gelson Tiago dos Santos Tavares da Silva (Brazil) (1) UFSCar/EMBRAPA; (2) EMBRAPA; (3) USP; (4) UFSCar/ Embrapa; Da Silva, G.T.S.T.(1); Carvalho, K.T.(2); Lope
05-010	20, June Highly efficient photo-oxidation of water-soluble and gaseous organic pollutants over ZnO:ZnWO ₄ heterostructure Kele Tatiane Gomes Carvalho (Brazil) (1) EMBRAPA; (2) USP; Carvalho, K.T.G.(1); Lopes, O.F.(2); Ferreira, D.C.(2); Ribeiro, C.(1);
05-011	20, June Evaluation of TiO ₂ /MgO heterojunctions in CO ₂ photoreduction Juliana Arriel Torres (Brazil) (1) EMBRAPA; (2) LNNano and CNPEM; (3) UFSCar/EMBRAPA; (4) USP; Torres, J.A.(1); Nogueira, A.E.(2); Da Silva, G.T.S.T.(3); Lopes, O.F.(4); De Oliveira,

- 05-012 20, June
Studies of photocatalytic reduction of carbon dioxide for renewable fuel production using niobium oxide
Joao Otávio de Sousa Mendes (Brazil)
(1) UFSCar/EMBRAPA; (2) EMBRAPA;
Mendes, J.O.S.(1); Carvalho, K.T.G.(2); Da Silva, G.T.S.T.(1); Ribeir
- 05-013 20, June
Biodegradable oil-based polymeric coatings on urea fertilizer: N release kinetics transformations of urea N in soil
Ricardo Bortoletto-Santos (Brazil)
(1) Embrapa Instrumentação; (2) USP; (3) EMBRAPA;
Bortoletto-santos, R.(1); Guimarães, G.G.F
- 05-014 20, June
Synthesis and photocatalytic properties of Nb₂O₅/V₂O₅ heterostructures
Thaís Aparecida Rodrigues (Brazil)
(1) IFSP;
Rodrigues, T.A.(1); Mendonça, V.R.(1); Duque, D.M.S.(1);
- 05-015 20, June
Synthesis, processing and photocatalytic properties of ZnO nanoparticles obtained by chemical method
Mateus Tofoli Corrêa (Brazil)
(1) IFSP;
Corrêa, M.T.(1); Mendonça, V.R.(1); Del Duque, D.(1); Koga, R.H.(1);

Symposium F:
Ceramics for Energy and Environment

Vincenzo Esposito

- 06-002 18, June
Characterization and photocatalytic properties of ZnO nanoparticles processed by high energy ball milling in a shaker mill
Ana Gabriela Storion (Brasil)
(1) UNIFAL-MG; (2) FZEA/USP; (3) UFSCAR; (4) UNIFAL;
Storion, A.G.(1); Pallone, E.M.J.A.
- 06-006 19, June
Addition of mining residues in the formulation of ceramic masses of use in tile
Gelmires Araujo Neves (Brasil)
(1) UFCEG;
Almeida, E.P.(1); Apolônio, T.G.(1); Carreiro, M.E.A.(1); Santana, L.N.L.(1); Ferreira, H.C.(1); Neves, G.A.(1);

- 06-009 20, June
Characterization and Comparative Analysis of Nanometric Powders Obtained by High Energy Milling With and Without Acid Leaching For Photocatalytic Application
Lucca Monteiro Silva Semensato (Brasil)
(1) UNIFAL-MG; (2) FZEA/USP;
Semensato, L.M.S
- 06-011 18, June
Porous ZnO Semiconductors Obtained Through A Sacrifice Phase
Lucca Monteiro Silva Semensato (Brasil)
(1) UNIFAL-MG;
Semensato, L.M.S.(1); Maestrelli, S.C.(1); Mancini, M.H.(1); Estorari, L.F.B.(1); Storion, A.G.(1); Faria, F.P.(1);
- 06-013 19, June
High wear resistant ceramics obtained from glass bottle waste, wollastonite and corundum
Alexandre Zaccaron (Brasil)
(1) UNESC; (2) UNIBAVE;
Zaccaron, A.(1); Leal, A.R.(2); Nandi, V.S.(2); Rosso, F.(2); Inocente, J.M.(2); Montedo, O.K.(1); Pet
- 06-015 20, June
Temperature influence on cerium oxide synthesis by microwave hydrothermal method
Lucianna Gama (Brasil)
(1) IFCE; (2) UFPB; (3) UFCEG;
Oliveira, M.J.C.(1); Quirino, M.R.(2); Gama, L.(3);
- 06-017 18, June
Removal of heavy metals from galvanoplasty industry effluents: equilibrium data modeling of isothermic adsorption by 4a zeolite
Elton Mendes (Brasil)
(1) UNESC;
Mendes, E.(1); Rocha, J.V.(1); Mendes, E.(1); Angioletto, E.(1);
- 06-019 19, June
UV-Vis photocatalytic performance of the S-doped TiO₂ and TiO₂ thin films for water treatment
Rodrigo Teixeira Bento (Brasil)
(1) IPEN;
Bento, R.T.(1); Szurkalo, M.(1); Oliveira, E.C.(1); Correa, O.V.(1); Pillis, M.F.(1);
- 06-020 20, June
Microstructural analysis of tricalcium aluminates C₃A
Tatiane Manke (Brazil)
(1) UFPel;
Manke, T.(1); Moreira, M.L.(1); Cava, S.(1);
- 06-021 18, June
Flexible MWCNTs@MoO₂-C nanocable composites with excellent electrochemical performance for lithium ion battery anodes
liping zhao (China)
(1) SJTU;
Zhao, I.(1);

06-022	19, June Nanostructured thin films for solar hydrogen production peng zhang (China) (1) SJTU; Zhang, p.(1);	06-038	18, June Nickel-based catalysts with hierarchical structure of pores derived from layered double hydroxides for the production of hydrogen from the steam reforming of ethanol Celso Valentim Santilli (Brasil) (1) IQ/UNESP; (2) UNESP/IQ; Gonçalves, R.G.L
06-023	18, June Ni and Ni-M Nanoparticles Supported on Hierarchical Oxides for Methane Reforming Catalysis Lian GAO (China) (1) SJTU; Gao, L.(1);	06-046	19, June Sensing Mechanism of Pristine and Pd Decorated SnO Micro-disks Sensors Marcelo Ornaghi Orlandi (Brasil) (1) UNESP; Orlandi, M.O.(1); Suman, P.H.(1); Barbosa, M.S.(1);
06-028	18, June Study of tio2 nanoparticles obtained by high energy milling for photocatalysis application Vanessa Vilela Lemos (Brazil) (1) UNIFAL-MG; (2) FZEA/USP; Lemos, V.V.(1); Storion, A.G.(1); Paiva, G.(1); Giraldi, T.R.(1); Pallone, E.M.J.A.(2); Maest	06-047	18, June Study of incorporation of wasted foundry sand and construction and demolition wastes in manufacture of structural concrete blocks Ana Luisa Rizzatti da Costa (Brazil) (1) UDESC; Da Costa, A.R.(1); Dalla Valentina, L.V.O.(1); Folgueras, M.V.(1)
06-031	19, June Influence of Alkalinity on the Synthesis of Zeolite A and Hydroxisodalite from Metakaolin Raphael Cons Andrades (Brasil) (1) USP; (2) UFPA; (3) EPUSP; (4) MACKENZIE; Andrades, R.C.(1); Valenzuela-díaz, F.R.(1); Neves, R.F.(2); Bastos Andrade,	06-051	18, June A review about Superconductive Magnetic Energy Storage Systems of solenoid geometry Fernanda Aparecida Sampaio da Silva (Brazil) (1) UFF; Pereira, L.F.L.(1); De Campos, M.F.(1); Da Silva, F.S.(1);
06-032	20, June Study of the influence of the porosity in ZnO samples applied to Advanced Oxidation Processes for water depollution Felipe de Paula Faria (Brasil) (1) UNIFAL-MG; (2) UNIFAL - MG; Faria, F.P.(1); Storion, A.G.(1); Giraldi, T.R.(1); Roveri, C.(2)	06-053	19, June Optical properties and the catalytic activity of films TiO2 and TiO2/WO3 Luana Góes Soares (Brasil) (1) UFRGS; Soares, L.G.(1); Bergmann, C.P.(1); Alves, A.K.(1);
06-033	18, June Offset ink recycling in ceramics Antônio Hortêncio Munhoz Jr (Brasil) (1) MACKENZIE; (2) USP; (3) UPM; Pereira, J.A.L.(1); Munhoz Jr, A.H.(1); Miranda, L.F.(1); Wiebeck, H.(2); Emílio, R.(3);	06-056	18, June Colorimetric analysis of photocromic films of TiO2 and TiO2 doped with tungsten using the CIE-L*a*b* system Luana Góes Soares (Brasil) (1) UFRGS; Soares, L.G.(1); Bergmann, C.P.(1); Alves, A.K.(1);
06-036	19, June Lithium Lanthanum Niobium Nanoparticles Synthesized by Spray Pyrolysis Leandro Conceição (Brazil) (1) ISI-EQ; Conceição, L.(1); Berton, M.A.(1); Lutosa, G.M.(1); Franchetti, M.G.S.(1); Souza, A.(1); Rech, A.(1); Goulart, F.(1); Lopes, L.(1);	06-057	18, June Evaluation of the physical and mechanical properties of cylindrical test bodies of scheelite waste and stone powder. Ricardo Eugenio Barbosa Ramos Filho (Brasil) (1) UFRN; (2) IFPB; Ramos Filho, R.E.B.(1); Duarte, J.B.(1); Fonsêca, N.J.M.(1);
06-037	20, June Effect of the mixture of N2 AND H2 gases in plasma treatment on the optical properties and photocatalytic activity of TIO2 nanoparticles Ruthilene Catarina Lima da Silva (Brasil) (1) IFRN; (2) Ufersa; (3) UFRSA; Lima Da Silva, R.C.(1); Mallak	06-058	19, June Synthesis of Ceramic Powder Based on Lithium Lanthanum Zirconium Nanoparticles Leandro Conceição (Brazil) (1) ISI-EQ; Conceição, L.(1); Berton, M.A.(1); Franchetti, M.G.S.(1); Lutosa, G.M.(1);

06-063	20, June The pH Dependency of Group IB p-type doped ZnO Nanorods by Chemical Bath Deposition Maziar Montazerian (Brazil) (1) College of Engineering; (2) Electrical and Computer Engineering; (3) USP; (4) Center for Research, Technology, and Education in	06-078	20, June Photodegradation of Rhodamine B catalyzed by ZnO pellets Thamara Machado Oliveira Ruellas (Brazil) (1) UNIFAL-MG; Ruellas, T.M.O.(1); Domingos, G.H.S.(1); Peçanha, L.O.O.(1); Maestrelli, S.C.(1); Giralaldi, T.R.(1);
06-065	18, June Characterization of a Phosphate Doped Spinel Oxide / PANI Nano-composite for High Power Batteries. Renier Arabolla Rodríguez (Cuba) (1) IMRE; (2) Instec; (3) IPN; (4) UFMG; Rodríguez, R.A.(1); Hidalgo, J.C.(2); Martínez, M.G.(3); Cano, A.(3);	06-080	18, June One-step synthesis, structure and methane dry reforming over ceria supported Ni-based catalysts Glaegane da Silva Souza (Brasil) (1) UFPB; (2) ULCO; Souza, G.S.(1); Cesario, M.(2); Tidahy, L.(2); Gennequin, C.(2); Abi-aad, E.(2); Macedo, D.A.(
06-066	19, June Structural, microstructural and electrochemical studies of layered $\text{Li}_x(\text{Ni}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33})_{1-x}\text{O}_2$ as cathode materials for rechargeable lithium ion batteries Gustavo Suárez (Argentina) (1) INIFTA; (2) CETMIC; Gamba, M.(1); Ortiz, M.(1); Suárez,	06-083	19, June Development of nano-filters of activated carbon impregnated with iron oxide nanoparticles to remove hydrogen sulfide from biogas Diego Cardoso Souza (Brazil) (1) UnB; Souza, D.C.(1); Carvalho, C.G.(1); Hidalgo, M.P.(1); Pinheiro, M.S.(1); Alve
06-068	19, June Use fraction of silte and clay from red mud for the production of aluminum alloy ceramic coatings Carime dos Santos Souza (Brasil) (1) UNESP - SOROCABA; (2) UNESP/Sorocaba; (3) UNESP; (4) Unesp; Souza, C.S.(1); Antunes, M.L.P.(2); Cruz, N.C.(3	06-084	20, June Sand fraction study for the production of aluminum alloy coatings by plasma assisted eletrialtic oxidation Renan Fernandes Moraes (Brazil) (1) UNESP/Sorocaba; (2) UNESP; (3) Mackenzei; Moraes, R.F.(1); Souza, C.S.(1); Munhoz Junior, A.H.(2); R
06-069	18, June Characterization of tubular ceramic supports for the manufacture of carbon membranes Janice Souza Hamm (Brazil) (1) UFRGS; Hamm, J.S.(1); Ambrosi, A.(1); Schindel, L.K.(1); Pollo, L.D.(1); Marcilio, N.R.(1); Tessaro, I.C.(1);	06-085	18, June Photocatalytic efficient activity of TiO_2 films deposited on ceramic tiles Jessica da Rocha Silva (Brazil) (1) UFRGS; Silva, J.R.(1); Bergmann, C.P.(1); Alves, A.K.(1); Rodrigues, D.S.(1);
06-070	19, June Ba-doped calcium cobaltite ceramics prepared by a alternative chemical method Gabriel Pugliese Balthazar (Brasil) (1) UNIFEI; (2) UNESP; Cesarino, E.M.(1); Dos Santos, S.F.(2); Thomazini, D.(1); Gelfuso, M.V.(1); Balthazar, G.P.(1);	06-087	19, June Ni-BaCeO ₂ ZrO ₇ Y ₀ 1O ₃ -d sintesys for use in solid oxide fuel cell Melina Taciele de Oliveira Favaro (Brazil) (1) UEPG; Chinelatto, A.L.(1); Favaro, M.T.O.(1); Chinelatto, A.S.A.(1); Grzebielucka, E.C.(1);
06-072	18, June Simplified synthesis of CaCu ₃ Ti ₄ O ₁₂ ceramics based on citric acid Fabricio Toledo Torres de Almeida (Brazil) (1) UNIFEI; (2) Universidade Federal de Itajubá-UNIFEI; De Almeida, F.T.T.(1); Thomazini, D.(1); Gelfuso, M.V.(2);	06-088	20, June Solid electrolyte of sodium beta-alumina Vera Lúcia Arantes (Brasil) (1) USP; Arantes, V.L.(1);
06-074	19, June Evaluation of Two-Step Doping of Yttria-Stabilized Zirconia Through Raman Scattering Analysis Celso Galeno Rêgo Queiroz (Brasil) (1) UnB; Queiroz, C.G.R.(1);	06-090	19, June Synthesis and characterization of the composite formed by Ba (Ce _{0,2} Zr _{0,7} Y _{0,1}) O ₃ -d-La _{0,7} Sr _{0,3} FeO ₃ -d for use in fuel cells. Adilson Luiz Chinelatto (Brasil) (1) UEPG; Chinelatto, A.L.(1); Borsato, A.F.(1); Baldykowski, G.L.(1); Grzebielucka, E.

06-091	20, June Synthesis by Microwave Assisted Combustion using low ureia content of the Ni-Al ₂ O ₃ and Ni-Al _{1,8} Ce _{0,2} O ₃ catalysts for Dry Methane Reforming Rodolfo Luiz Medeiros (Brazil) (1) R.L.B.A.M; (2) UFRN; (3) EAJ; (4) D.M.A. Melo; Medeiros, R.L.(1); Mac	06-106	19, June N-DOPED TiO ₂ thin films grown by mocvd for heterogeneous photocatalysis Eduardo Cesar Oliveira (Brazil) (1) IPEN - SP; (2) IPEN; Oliveira, E.C.(1); Bento, R.T.(2); Szurkalo, M.(2); Correa, O.V.(2); Pillis, M.F.(2);
06-092	18, June Processing optimization for (Ba, Ca)(Ti,Zr)O ₃ based lead free piezoelectric ceramics Anne Louise LERICHE (France) (1) UVHC; Orlik, K.(1); Leriche, A.L.(1); Lorgouilloux, Y.(1); Rguiti, M.(1); Courtois, C.(1);	06-111	20, June Application of the experimental design in the study of the variables of the process of obtaining nano and submicrometric fibers of TiO ₂ by the method of solution blow spinning Raquel Santos Leite (Brasil) (1) UFCG; Leite, R.S.(1); Costa, D.L.(
06-093	19, June Synthesis and characterization of LaNi _(1-x) CrxO _(3-d) for use in fuel cells Janaina Semanech Borcezi (Brazil) (1) UEPG; Chinelatto, A.L.(1); Borcezi, J.S.(1); Grzebielucka, E.C.(1); Chinelatto, A.S.A.(1);	06-112	20, June Silica and N-Carbon/Silica hybrid nanofiber obtained by solution blow spinning (SBS) to dye adsorption Raquel Santos Leite (Brasil) (1) UFCG; (2) BRU-USDA; (3) UFPB; Farias, R.M.C.(1); Leite, R.S.(1); Severo, L.L.(1); Neves, G.A.(1); Glenn, G.
06-094	20, June Synthesis of nanostructured zinc oxide by css and MaHT: the influence of the synthesis method on the morphology and properties Tania Maria Basegio (Brazil) (1) UFRGS; (2) UNIPAMPA; (3) UNISC; Basegio, T.M.(1); Guaglianoni, W.C.(1); Garcia, A.P	06-118	19, June Synthesis of Fe ₂ O ₃ /Nb ₂ O ₅ mixed oxides and its use as catalysts for methylene blue degradation Islanny Ouriques Brasileiro (Brazil) (1) UFRN; Brasileiro, I.O.(1);
06-095	18, June study of the influence of Mg on ni-based catalysts obtained via one-pot synthesis for dry reforming of methane Heloisia Pimenta Macedo (Brasil) (1) R.L.B.A.M; (2) UFRN; (3) EAJ; (4) D.M.A. Melo; Medeiros, R.L.(1); Macedo, H.P.(2); Figueredo, G.	06-120	20, June Thermoelectrical properties of Ca ₃ Co ₄ O ₉ doped with molybdenum Everson Junio Ferreira (Brazil) (1) UNIFEI; Ferreira, E.J.(1); Filho, F.M.(1);
06-102	19, June Synthesis, characterization and application of a fluorescence doped Alumina powder prepared by wet-chemical synthesis Mauricio Antonio Custodio de Melo (Brazil) (1) UEM; (2) IFPR; Melo, M.A.C.(1); Souza, N.E.(2); Santos, I.A.(1); Capeloto, O.(06-121	18, June Development of glass-ceramic material using waste foundry sand and limestone Silvio Rainho Teixeira (Brasil) (1) UNESP/FCT; Magalhães, R.S.(1); Teixeira, S.R.(1); Santos, L.F.(1); Santos, G.T.A.(1); Souza, A.E.(1); Leme, T.S.(1);
06-103	18, June Structure and electrochemical assessment of Cu-doped Ca-cobaltites by a proteic sol-gel synthesis method Jakeline Raiane Dora dos Santos (Brazil) (1) UFRN; (2) UA; (3) UFPB; Santos, J.R.D.(1); Silva, R.M.(2); Simões, T.A.(2); Grilo, J.PF.(3);	06-123	19, June Effect of Process Parameters on Luminescent Properties of CaMoO ₄ Doped Ana Paula Azevedo Marques (Brazil) (1) UNIFESP; Marques, A.A.(1); Tavares, F.S.(1);
06-104	18, June Structure and electrical properties of Ni-doped ceria Thayse Ricardo Silva (Brasil) (1) UFPB; (2) UA; Silva, T.R.(1); Dos Santos, j.r.d.(1); Ferreira, L.S.(1); Grilo, J.(2); Macedo, D.A.(1);	06-124	20, June Characterizations of the cellulose residues and waste foundry sand and use dropped development of glass-ceramic material Leila Maria Sotocorno e Silva (Brazil) (1) UNESP/FCT; Silva, L.M.S.(1); Santos, L.F.(1); Magalhães, R.S.(1); Santos, G.T.A

06-125	18, June Heterogeneous catalysts based on Sr(1-x)K(x)TiO ₃ -delta solid solutions applied to the bio-diesel synthesis via ethyl route Bruno dos Santos Potensa (Brasil) (1) FCT/UNESP; Potensa, B.S.(1); Da Silva, S.R.(1); Gonzalez, E.R.P.(1); Lanfredi, S.(1)	06-138	19, June New titanium-niobium-tungsten oxide for photocatalytic degradation of different substrates in aqueous solution Válber Rodrigo Ribeiro de Medeiros (Brazil) (1) UFRN; Rodrigues, M.V.(1); Medeiros, V.R.R.(1); Moriyama, A.L.L.(1); Souza, C.P.(1);
06-126	19, June Investigation of the catalytic potential of nickel-doped potassium strontium niobate solid solutions prepared by high-energy ball milling Bruno dos Santos Potensa (Brasil) (1) FCT/UNESP; Potensa, B.S.(1); Da Silva, S.R.(1); Gonzalez, E.R.P.(1)	06-139	18, June Synthesis and characterization of the composite with mixed conductivity for fuel cell Ana Karolina Mayer Lima (Brazil) (1) UEPG; Chinelatto, A.L.(1); Lima, A.K.M.(1); Grzebielucka, E.C.(1); Chinelatto, A.S.A.(1);
06-127	20, June Recycled ceramic material with thermal insulation properties Francine Machado Nunes (Brazil) (1) UFPEL; Rangel, E.M.(1); Nunes, F.M.(1); Osório, A.G.(1); Machado, F.M.(1); Camaratta, R.(1);	06-140	18, June Synthesis, processing and characterization of NiO/Ni-GDC composites Allan Jedson Menezes De Araújo (Brazil) (1) UFRN; (2) UA; (3) UFPB; Araújo, A.J.M.(1); Campos, L.F.A.(2); Dutra, R.P.S.(2); Nascimento, R.M.(1); Grilo, J.P.F.(3); Macedo, D.A.
06-128	18, June Electrochemical characterization of Ca-cobaltite synthesized by solid state reaction Jakeline Raiane Dora dos Santos (Brazil) (1) UFPB; (2) UFRN; Fulgêncio, E.B.G.A.(1); Santos, J.R.D.(2); Silva, R.M.(1); Melo, K.P.(1); Campos, L.A.(1); Macedo	06-141	19, June Development of methodology to capture the gases generated in the production of ceramic materials using galvanic sludge as raw material Regina Felisberto (Brazil) (1) IIFRS- Campus Porto Alegre; (2) UFRGS; Felisberto, R.(1); Basegio, T.M.(2); P
06-132	19, June Incorporation of mould flux waste for continuous casting of steel in red ceramics Thaís Queiroz da Silva Gomes (Brazil) (1) UENF; (2) EEL - USP; Gomes, T.Q.S.(1); Vieira, C.M.F.(1); Vernilli, F.(2); Delaqua, G.C.G.(1);	06-142	20, June Optimization The Efficiency Photovoltaic Solar Cell Using Semiconductor Nanomaterials, graphene and natural dyes. Vanessa Lacerda Menezes (Brasil) (1) UnB; Hidalgo, M.P.(1); Martins, I.L.M.(1); Brito, R.(1); Silveira, L.(1); Gomes, T.(1); Mene
06-133	20, June Synthesis and Characterization of Nano CexOy/Al ₂ O ₃ Mixed Oxide by Sol-Gel Method Antonio José Nascimento Dias (Brasil) (1) INT; (2) UERJ; Dias, A.J.N.(1); Nascimento, S.(2); Caldeira, H.S.(2);	06-143	20, June Use of the solution blow spinning technique to obtain ZNO nanofibers. Danúbia Lisboa Costa (Brasil) (1) UFCG; Costa, D.L.(1); Leite, R.S.(1);
06-134	20, June Conventional and microwave sintering of BaCe _{0.2} Zr _{0.7} Y _{0.1} O _{3-d} perovskites Adriana Scoton Antonio Chinelatto (Brasil) (1) UEPG; (2) Universidade Federal de Itajubá-UNIFEI; (3) UNIFEI; Chinelatto, A.S.A.(1); Gelfuso, M.V.(2); Thomazini, D.(3); Giacomozzi, F.I.(1); Ouba, A.K.O.(1); Chinelatto, A.L.(1);	06-144	19, June Evaluation of thermal performance and durability of the external vertical sealing system using ceramic plates containing sludge from a water treatment plant and rice husk ash Antonio Rodrigues Pettele (Brazil) (1) Unipampa; (2) UFRGS; Pettele
06-135	18, June Properties of iron oxide nano-powders obtained by a proteic sol-gel method Jakeline Raiane Dora dos Santos (Brazil) (1) UFPB; (2) UFRN; (3) UA; Silva, R.M.(1); Lima, A.V.B.(1); Santos, J.R.D.(2); Morais, A.(1); Fulgêncio, E.B.G.A.(1); Melo, K.	06-145	20, June Production of Ba ₂ AlNbO ₆ Ceramics and Study of Their Stability in Crude Petroleum for the Conservation of Metallic Sensing Elements used in Petroleum Extraction Rebeka Oliveira Domingues (Brasil) (1) UFPE; Lima, M.M.(1); Cirino, J.A.(1); Ferrei

- 06-147** 20, June
Integration of metal nanoparticles in sol-gel process to prepare photocatalytic and microbicidal coatings
Nora Pellegrini (Argentina)
(1) IFIR - UNR - CONICET; (2) UNR - FCByF; Porta Rambaldi, E.(1); Roldan, M.V.(1); Mamana, N.(1); Cogliati, S.
- 06-151** 18, June
Synthesis and characterization of molybdenum carbide for use as heterogeneous photocatalyzers
Suylan Lourdes de Araújo Dantas (Brasil)
(1) UFRN; Dantas, S.L.A.(1); Moriyama, A.L.L.(1); Souza, C.P.(1);
- 06-156** 19, June
Blocking effect in promising proton conductors based on $Ba_3Ca_{1.18}Nb_{1.82-x}R_xO_9-d$ ($R = Y^{3+}, Gd^{3+}, Sm^{3+}, Nd^{3+}$) ordered perovskites for PC-SOFCs
João Elias F. S. Rodrigues (Brasil)
(1) IFSC-USP; Rodrigues, J.E.(1); Francisco, L.(1); Correr, W.R.(1)
- 06-159** 20, June
Mill scale waste from steelmaking industry as raw material for reddish clayey ceramic production
Carlos Mauricio Fontes Vieira (Brasil)
(1) UENF; Delaqua, G.C.G.(1); Amaral, L.F.(1); Vieira, C.M.F.(1);
- 06-161** 18, June
Synthesis and magnetic characterization of ni nanoparticles in ceramic matrix
Daniel Zanetti de Florio (Brasil)
(1) UFABC; (2) IPEN; De Florio, D.Z.(1); Tinti, V.B.(1); Fonseca, F.C.(2);
- 06-164** 19, June
Hydrocycloning and Characterization of kaolin wastes
Chrystiano Araujo Ferreira (Brasil)
(1) UFPB; Ferreira, C.A.(1); Dutra, R.P.S.(1); Caetano, A.L.A.(1); Ferreira, H.S.(1); Dos Santos Silva, I.D.(1);
- 06-165** 18, June
Growth of niobium nitrate thin films on porous metallic substrates
Natália Freitas Daudt (Brasil)
(1) UFSM; (2) USACH; Daudt, N.F.(1); Denardin, J.C.(2); Pereira, J.F.(1); Arnemman, E.R.(1); Dorneles, L.S.(1); Schneider, A.D.(1); Matzenbacher;
- 06-166** 18, June
Evaluation of tin-doped indium oxide synthesized by Pechini polymeric precursor route as electrocatalyst support for ethanol electrooxidation
Dolores Ribeiro Ricci Lazar (Brasil)
(1) IPEN; Lazar, D.R.R.(1); De Camargo, E.F.(1); Cordeiro, G.L.(1)
- 06-168** 19, June
Zeolite layer on geopolymeric support
Włodzimierz Mozgawa (Poland)
(1) M.K.; (2) W.M.; Mozgawa, W.(1); Król, M.(2);
- 06-170** 18, June
New perovskites for use in protonic solid oxide fuel cells
Rafael de Freitas Cuer (Brazil)
(1) UFABC; Cuer, R.F.(1); De Florio, D.Z.(1);
- 06-171** 18, June
Sorption properties of new type zeolite granulate
Magdalena Król (Poland)
(1) M.K.; Król, M.(1);
- 06-172** 19, June
Preparation of electrolytes deposited via dip coating for anode supported SOFCs
Nataly Messina Pecelin (Brazil)
(1) UFABC; Pecelin, N.M.(1); De Florio, D.Z.(1);
- 06-173** 20, June
Influence of the hydroxyapatite and functionalization on the electrical properties of pvdf fuel cells membranes
Júnio Augusto Rodrigues Pasqual (Brasil)
(1) UFRGS; Pasqual, J.R.(1); Pereira, B.L.(1); Dick, T.(1); Santos, L.A.L.(1); De Sousa, V
- 06-176** 18, June
Meso/macroporous ceramics for catalytic conversion of lignocellulosic biomass into chemicals of industrial interest
Maria José Fonseca Costa (Brazil)
(1) USP; (2) EESC/USP; Costa, M.F.(1); Ferreira, E.B.(2); Eckert, H.(1);
- 06-178** 18, June
Study of the photocatalytic activity of MnO_2 / In_2O_3 thin films obtained by spin coating in the degradation of the methylene blue dye
laurenia martins p. garcia (Brasil)
(1) UFRN; (2) UFG; (3) UFSCar; Ferreira, T.L.B.(1); Garcia, I.m.(1); Rodr
- 06-185** 20, June
Electrochemical Characterization of Mn doped Tin Halide Perovskite
Margaret Dawson (Brazil)
(1) UFSCAR; (2) UNESP; (3) EMBRAPA; (4) UFSCar; Dawson, M.(1); Soares, G.B.(2); Morelli, M.R.(3); Ribeiro, C.(4);

06-197	18, June Study of the photocatalytic effects of the TiO_2 film applied in ceramics tiles Morgana Nuernberg Sartor (Brazil) (1) SATC; (2) UFSC; (3) UNESC; Sartor, M.N.(1);Vieira, G.M.(1); Melo, A.R.(1); Acordi, J.(2); Milak, G.B.(3); Mattos, A.(1); Marq	06-212	18, June Porous TiO_2 microspheres synthesized by internal gelation method Gabriel Lima Oliveira (Brasil) (1) IPEN; Oliveira, G.L.(1); Andreoli, M.(1); Genova, L.A.(1);
06-201	19, June Anomalous electronic conductivity in polycrystalline hematite ceramic electrodes modified with SnO_2 : the existence of preferential pathways Mario Rodrigo dos Santos Soares (Brazil) (1) UFSCAR; (2) CNPEM-LNNano; Soares, M.R.S.(1); Leite, E.R.(2)	06-215	18, June Ba-doped calcium cobaltite ceramics prepared by a alternative chemical method Daniel Thomazini (Brasil) (1) UNIFEI; (2) UNESP; Cesarino, E.M.(1); Dos Santos, S.F.(2); Thomazini, D.(1);
06-203	20, June Studies of sintering effects in electrical and electro-catalytic properties of $\text{LaNi}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0; 0.3; 0.6; 0.9$) series Mario Rodrigo dos Santos Soares (Brazil) (1) UFSCAR; (2) CNPEM-LNNano; Gozzo, C.B.(1); Soares, M.R.S.(1); Leite, E.R.(2);	06-216	19, June Influence of F- on the synthesis of BaCeO_3 -based proton conductors Haruan Barreto Braga Capela Do Nascimento (Brasil) (1) UFSCar; Nascimento, H.B.B.C.(1); Kiminami, R.H.G.A.(1); Godinho, M.J.(1);
06-204	18, June Optical Properties of Sub-Stoichiometric Tantalum Oxide Thin Films from Spectroscopic Ellipsometry Andre Santarosa Ferlauto (Brazil) (1) UFABC; (2) UFMG; (3) UFRGS; Ferlauto, A.S.(1); Palhares, J.H.Q.(2); Medeiros-ribeiro, G.(2); Radtke, C.(3)	06-217	20, June Kinetic study of the carbothermic reduction of zinc ferrite for the recycling zinc Leidy Julieth Hernández Buitrago (Brazil) (1) USP; (2) PMT-USP; Hernández Buitrago, L.J.(1); Lenz E Silva, G.F.B.(2); Amaral-labat, G.(1);
06-205	19, June Influence of synthesis conditions on TiO_2 composition and photocatalytic activity employing microwave assisted hydrothermal method Ana Rita Ferreira Alves Teixeira (Brasil) (1) UFPB; Teixeira, A.F.A.(1); Pontes, L.F.B.L.(1); Santos, I.M.G.(1);	06-223	19, June Characterization of clays of the South of the State of Espírito Santo, Brazil Monica Castoldi Borlini Gadioli (Brasil) (1) CETEM; (2) IFES; Gadioli, M.C.B.(1); Sant'ana, M.K.(2);
06-206	20, June Analysis of technical feasibility of the catalyst waste from petroleum fluid catalytic cracking as raw material for red ceramics production Lucas Fonseca Amaral (Brasil) (1) UENF; Amaral, L.F.(1); Teixeira, G.(1); Delaqua, G.C.G.(1); Nicolite,	06-225	19, June Analysis of Potential Photocatalytic of a Commercial Pigment Red Type Oxide based on the Fe_2O_4 in Degradation of Phenol-Red Dye using UV-visible radiation. Fabiano Rafael Praxedes (Brazil) (1) FCT/UNESP; Praxedes, F.R.(1); Nobre, M.A.L.(1); La
06-207	18, June Incorporation of residual dust generated in step of alumina electrofused production in red ceramic. Geovana Carla Girondi Delaqua (Brasil) (1) UENF; (2) EEL - USP; Nicolite, M.(1); Delaqua, G.C.G.(1); Amaral, L.F.(1); Vernilli, F.(2);Vieira,	06-226	18, June Ionic conductivity of Sr- and Mg-doped lanthanum gallate with $\text{La}_{1.55}\text{Sr}_{0.55}\text{Ga}_3\text{O}_{7+\delta}$ addition Talita Gishitomi Fujimoto (Brasil) (1) IPEN; Fujimoto, T.G.(1); Muccillo, E.N.S.(1);
06-209	19, June Influence of yttrium and zirconium as solid solutions and pinning points on the obtaining of sodium-beta"-alumina electrolytes Daisy Catharina Rodrigues (Brasil) (1) UFSCar; Rodrigues, D.C.(1); Souza, D.PF.(1);	06-231	19, June The effect of solid content on spray drying of boron carbide Fernando Augusto Andrade (Brazil) (1) Mr; Andrade, F.A.(1); Nunes, P.C.R.(1); Silva, R.A.(1);

06-235 18, June
Gradual Internal Reforming process: development of catalyst layer for Solid Oxide Fuel Cells operating with methane and bioethanol
Marlu Cesar STEIL (France)
(1) Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, Grenoble INP; (2) Univ. Greno
Symposium G: Education in Ceramics

**Symposium G:
Education in Ceramics**

Renata Ayres Rocha / Andraž Kočjan

07-001 20, June
Effect of Bologna plan in the Spanish ceramic education at the university level
Enrique Sánchez (Espanha)
(1) UJI;
Mestre, S.(1); Sánchez, E.(1);

07-004 20, June
Approaching Educators and Students in the Teaching of Ceramic Materials through the Use of Computational Simulation
Rodolfo Timoteo da Silva (Brazil)
(1) UFGD;
Da Silva, R.T.(1); Silveira, W.(1);

07-008 20, June
Waste management: a research proposal using Problem Based Learning in the municipality of Dourados-MS
Wagner da Silveira (Brasil)
(1) UFGD;
Silveira, W.(1); Pereira, P.V.(1); Rocha, A.(1); Souza, R.(1); Faverão, B.N.(1); Silva, M.R.(1);

07-021 20, June
Phases diagram: a shared learning priscila brentan praxedes (Brasil)
(1) PUC;
Praxedes, P.B.(1);

07-023 20, June
Technological and mineralogical characterization of the rocks collected in the municipality of parselhas / RN - Part I
Mauro Froes Meyer (Brasil)
(1) IFRN; (2) ifrn;
Meyer, M.F.(1); Silva, P.A.S.(1); Pinto, Y.F.L.C.(1); Carvalho, d.l.a.(2); Car

07-024 19, June
Evaluation of the participants perception of the university project "Caminhos de Barro"
Afonso Rangel Garcez Azevedo (Brasil)
(1) UENF;
Azevedo, A.R.G.(1); Alexandre, J.(1); Xavier, G.C.(1); Marvila, M.T.(1); Zanelato, E.B.(1); Goulart, M.A.(1)

07-027 20, June
Strategies and approaches of the experimental activities in the ceramic processing program of materials engineering undergraduate course at UFABC
Renata Ayres Rocha (Brasil)
(1) UFABC;
Rocha, R.A.(1); Trombini, V.(1); Raimundo, D.S.(1);

07-028 20, June
Teaching properties of silicon oxide from the processes in microelectronics: a matter of contextualized learning in the classroom
Daniel Scodeler Raimundo (Brasil)
(1) UFABC;
Raimundo, D.S.(1);

07-029 20, June
Obtaining new ceramic products using waste from Ceramic Industries.
Orley Magalhães Oliveira (Brasil)
(1) IFBA; (2) EPUSP; (3) MACKENZIE;
Oliveira, O.M.(1); Valenzuela-diaz, F.R.(2); Silva Valenzuela, M.G.(2); Munhoz Jr, A.H.(3);

07-030 20, June
Technological and mineralogical characterization of the rocks collected in geological mapping in the municipality of parselhas / rn part 2
Mauro Froes Meyer (Brasil)
(1) IFRN;
Meyer, M.F.(1); Souza, M.M.(1); Silva, P.A.S.(1); Pinto, Y.F.L.C.(1)

07-031 20, June
Visual analysis of ceramic combinations with educational purposes for the development of artisan products
Hernan Darío Castaño Castrillón (Columbia)
(1) ITM;
Castaño Castrillón, H.D.(1); Suárez Moreno, V.L.(1);

**Symposium H:
Electric and Magnetic Ceramics**

José Antonio Eiras

08-001 20, June
Production of Calcium Titanate from Unconventional Titanium Sources
Guilherme Galik (Brasil)
(1) IFSC;
Galik, G.(1);

08-002 18, June
Composition-driven structural and magnetic phase evolution in Bi_{1-x}A_xFe_{1-x}Ti_xO₃ series
Uladimir Khomchanka (Portugal)
(1) CFisUC;
Khomchanka, U.(1); Paixão, J.A.(1);

08-003 19, June

08-006	<p>Development of a Microwave Absorbing Material Based on Molybdenum-doped niobium pentoxide Diêgo Pires Gurgel (Brasil) (1) UFRN; (2) ; (3) UFERSA; Gurgel, D.P.(1); Queiroz Júnior, I.S.(2); Silva Júnior, M.Q.(3); De Andrade, H.D.(3); Gomes, U.U.</p> <p>20, June Effect of processing parameters in the microstructure of ni-zn ferrites obtained by conventional method Melise Cardoso Antunes (Brasil) (1) UNIFESP; (2) IAE; Gama, A.M.(1); Antunes, M.C.(2); Gonçalves, E.S.(1);</p>	08-024	<p>Piezoelectric and ferroelectric studies of BNT–BT ceramics near the morphotropic-phase-boundary composition Andrea Prado (Argentina) (1) INTEMA; (2) ICV-CSIC; (3) IGC; Prado, A.(1); Ramajo, L.(1); Rubio-marcos, F.(2); Webber, K.(3); Castro, M.</p> <p>18, June Magnetic glass-ceramics produced from wastes Tales Goncalves Avancini (Brazil) (1) UFRGS; (2) UFSC; Avancini, T.G.(1); Alves, A.K.(1); Arcaro, S.(1); Novaes De Oliveira, A.P.(2); Souza, M.T.(2);</p>
08-009	<p>19, June Electrical and magnetic properties of nanostructured (Bi_{0,85}La_{0,15})FeO₃ powders and ceramics Roger Carvalho Oliveira (Brazil) (1) UEM; (2) UFSCar; Oliveira, R.C.(1); Eiras, J.A.(2); Garcia, D.(2); Santos, I.(1); Dias, G.S.(1); Volnistem, E.A.(</p>	08-025	<p>18, June Study of the electrical and magnetic properties of ceramic tapes TZ-3YE/MP produced by aqueous tape casting. Hugo Plínio de Andrade Alves (Brazil) (1) UFRN; Alves, H.P.A.(1); Costa, A.C.S.(1); Correa, M.A.(1); Acchar, W.(1);</p>
08-010	<p>20, June On the synthesis of single-phase and nanostructured (Bi_{1-x}La_x)FeO₃ powders Roger Carvalho Oliveira (Brazil) (1) UEM; (2) UFSCar; Oliveira, R.C.(1); Eiras, J.A.(2); Garcia, D.(2); Santos, I.(1); Dias, G.S.(1); Cótica, L.F.(1); Volnistem, E.A.(1</p>	08-028	<p>19, June Modeling the magnetoelectric effect in BiFeO₃-PbTiO₃ compounds by using the Finite Element Method Daniel Matos Silva (Brazil) (1) UEM; (2) Unicentro; Silva, D.M.(1); Freitas, V.F.(2); Santos, I.A.(1);</p>
08-013	<p>18, June Synthesis and Characterization of the Ferroelectric Ceramic Material Sodium and Potassium Niobate (KNN) by the oxide mixing route Gabriel Alexsandro Freitas Vilhalva (Brazil) (1) UFGD; Corrêa Queiróz Mendonça, O.A.(1); Botero, E.R.(1); Vilhalv</p>	08-029	<p>20, June Using the Finite Element Method for the investigation of the magnetoelectric effect in laminar composites Daniel Matos Silva (Brazil) (1) UEM; Silva, D.M.(1); Gaiotto, F.J.(1); Pereira, J.R.D.(1); Santos, I.A.(1);</p>
08-017	<p>19, June Giant tunability of sol-gel derived BaFe_{12-x}Zr_xO₁₉ ceramics under extremely low electric bias Piyi Du (China) (1) Zhejiang university; Du, P.(1);</p>	08-030	<p>18, June Fabrication and characterization of BaFe₁₂O₁₉ thin films by physical sputtering for magnetoelectric composites Vinicius Pretti Rossi (Brazil) (1) UFSCar; Rossi, V.P.(1); Zabotto, F.L.(1); Garcia, D.(1); Eiras, J.A.(1); Gonçalves, A.M.(1); Boni</p>
08-020	<p>20, June Synthesis and Characterization of Fast Fired Multiferroic Magnetoelectric Bi_{1-x}Mn_xFeO₃ Gustavo Sanguino Dias (Brazil) (1) UEM; Dias, G.S.(1); Volnistem, E.A.(1); Guimarães, P.V.(1); Cótica, L.F.(1); Santos, I.A.(1);</p>	08-031	<p>19, June Production and characterization of glass ceramics with Strontium titanate nanoparticles produced by microwave-assisted hydrothermal process. Wagner da Silveira (Brasil) (1) UFGD; (2) UNESP/FCT; (3) Unesp; Silveira, W.(1); Souza, A.E.(2); Teixeira</p>
08-021	<p>18, June Preparation of Dy³⁺-Doped Calcium Magnesium Silicate phosphors by a new synthesis method and its Luminescence Characterization Vinicius Ribas de Moraes (Brazil) (1) IPEN; Moraes, V.R.(1); Yamagata, C.(1); Leme, D.R.(1);</p>	08-032	<p>20, June Gas sensing properties of TiO₂-SnO₂ nanocomposites Anna Maria Szczygielska (Poland) (1) AGH; (2) PAN; Szczygielska, A.M.(1); Pedzich, Z.(1); Maziarz, W.(2);</p>
08-023	<p>19, June</p>		

- 08-038** 18, June
Preparation of laminates based on Bi₄Ti₃O₁₂ (BIT) by tape casting and lamination process - dielectric, magnetic and structural characterization
Ana Paula da Silva Peres (Brasil)
(1) UFRN;
Peres, A.P.S.(1); Costa, A.C.S.(1); Acchar, W.(1); Corr
- 08-039** 19, June
Structural and electromagnetic effects caused by the addition of niobium pentoxide in the cobalt ferrite
Francisco Eduardo Carvalho (Brasil)
(1) IEAv; (2) ; (3) UNIFEI; (4) UA;
Carvalho, F.E.(1); Lemos, L.v.(2); Migliano, A.C.C.(1); Da Silva,
- 08-043** 19, June
Magnetic behavior of Mg_xZn_{1-x}Fe₂O₄ ferrite
valesca Donizeti Oliveira (Brazil)
(1) UNIFEI; (2) Unifei; (3) FEPI;
Da Silva, M.R.(1); Oliveira, v.D.(2); Mendonça, C.S.P.(1); Oliveira, A.F.(2); Rubinger, R.M.(2); Ribeiro, V.A.S.(3); Souza, F.H.(1)
- 08-045** 20, June
Preparation and characterization of BaZr_{0.08}Ti_{0.92}O₃ nanoparticles by the modified pechini method using microwave energy
Laís Pacheco Caminata (Brazil)
(1) UFSCar;
Caminata, L.P.(1); Perdomo, C.F.(1); Kiminami, R.H.G.A.(1);
- 08-049** 18, June
Understanding the role of grain size on the structural and dielectric properties of BZT-BCT systems
Cristina Elena Ciomaga (Romania)
(1) UAIC; (2) ICMATE-CNR;
Ciomaga, C.(1); Curecheriu, L.(1); Padurariu, L.(1); Buscaglia, M.(2); Buscaglia, V.
- 08-050** 19, June
Influence of gadolinium doping on structural properties of zinc ferrite spinel
Tayanne Cristina Marques Araújo Pereira (Brazil)
(1) UFMA;
Borges, M.F.(1); Sodr , L.C.S.(1); Pereira, T.C.M.A.(1); Santos, I.S.(1); Silva, F.C.(1); Sinfr nio, F.S.
- 08-052** 20, June
Novel method for the synthesis of Dy-doped yttrium disilicate phosphors
Chieko Yamagata (Brazil)
(1) IPEN;
Yamagata, C.(1); Morais, V.R.(1); Rezende, D.L.(1);
- 08-053** 19, June
Preparation and dielectric properties of Ag-BaTiO₃ composite ceramics
Cristina Elena Ciomaga (Romania)
(1) UAIC; (2) IFT;
Ciomaga, C.(1); Curecheriu, L.(1); Turcan, I.(1); Lukacs, A.(1); Stoian, G.(2); Lupu, N.(2); Mitoseriu, L.(1); Padurariu,
- 08-055** 19, June
Preparation and dielectric properties of Ag-BaTiO₃ composite ceramics
Cristina Elena Ciomaga (Romania)
(1) UAIC; (2) IFT;
Ciomaga, C.(1); Curecheriu, L.(1); Turcan, I.(1); Lukacs, A.(1); Padurariu, L.(1); Stoian, G.(2); Lupu, N.(2); Mitoseriu,
- 08-056** 18, June
Synthesis and characterization of magnetite nanoparticles using the modified sol-gel method
Ana Laura Caseiro (Brasil)
(1) UFSCar;
Caseiro, A.(1); Togashi, M.M.(1); Perdomo, C.F.(1); Kiminami, R.H.G.A.(1);
- 08-057** 18, June
Effects of the calcination temperature on the structural properties of MFe₂O₄ (M = Co, Ni) ferrites by a proteic sol-gel method
Jakeline Raiane Dora dos Santos (Brazil)
(1) UFPB; (2) UA; (3) UFRN;
Ferreira, L.S.(1); Grilo, J.(2); Morales, M.A.
- 08-059** 20, June
Synthesis and characterization of K_{0.5}Na_{0.5}NbO₃-BaTiO₃-based lead-free piezoelectric ceramics
Andrea Prado (Argentina)
(1) INTEMA; (2) ICV-CSIC;
Prado, A.(1); Ramajo, L.(1); Rubio-marcos, F.(2); Castro, M.(1);
- 08-061** 18, June
Characterization of the electrical and magnetic properties of Ni_xZn_{1-x}Fe₂O₄ ferrite
Manoel Ribeiro da Silva (Brasil)
(1) Unifei; (2) UNIFEI; (3) FEPI;
Oliveira, v.D.(1); Da Silva, M.R.(2); Mendonça, C.S.P.(2); Rubinger, R.M.(1); Oliveira, A.F.
- 08-062** 19, June
The role of gettering in silicon solar cells
Girley Ferreira Rodrigues (Brasil)
(1) UMC;
Rodrigues, G.F.(1);
- 08-063** 20, June
Synthesis and characterization of Bi_{0.5}(Na_{0.8}K_{0.2})_{0.5}TiO₃-based ceramics obtained through the sol-gel method
Javier Camargo (Argentina)
(1) INTEMA;
Camargo, J.(1); Parra, R.(1); Ramajo, L.(1); Castro, M.(1);
- 08-064** 18, June
Impedance analysis of CaZrO₃ samples synthesized by microwave-assisted hydrothermal method
Wagner Dias Macedo Junior (Brasil)
(1) UNESP/FCT; (2) UNESP; (3) FE-IS/UNESP;
Junior, W.D.M.(1); Souza, A.E.(1); Teixeira, S.R.(1); Longo, E.(2); Sakamo

08-065	19, June Analysis of the structural and magnetic properties of the system BaTi _{0.7} Fe _{0.3} O ₃ doped with Mn ions Ricardo Augusto Mascarello Gotardo (Brazil) (1) UTFPR; (2) UEM; Gotardo, R.A.M.(1); Silva, P.V.A.(1); Rosso, J.M.(2); Cótica, L.F.(2); Santos, I	(1) UFSCar; (2) UNIFAL-MG; Suarez, A.V.(1); Perdomo, C.F.(1); Gunnewiek, R.F.K.(2);
08-066	19, June Electrical, Magnetic and Structural Characterizations in Mn and Cr Doped 0.9BiFeO ₃ -0.1BaTiO ₃ Compositions Ricardo Augusto Mascarello Gotardo (Brazil) (1) UTFPR; (2) UEM; Gotardo, R.A.M.(1); Alonso, R.S.(1); Rosso, J.M.(2); Santos, G.M.(2); Sil	08-073 18, June Processing issues and their influence in the magnetoelectric performance of (K,Na)NbO ₃ /CoFe ₂ O ₄ -based layered composites Washington Santa Rosa (Brazil) (1) UFSCar; (2) ICMM-CSIC; (3) IFSC-USP; Rosa, W.S.(1); Venet Zambrano, M.(1); Algueró, M.(2)
08-067	18, June Structural and dielectric properties of Ni _{0.1} Zn _{0.5} Co _{0.4} Fe ₂ O ₄ ferrite nanoparticles Tayanne Cristina Marques Araújo Pereira (Brazil) (1) UFMA; (2) IFMA; Pereira, T.C.M.A.(1); Borges, M.F.(1); Fonseca, R.S.P.(1); Castro Junior, M.C.(2); Menezes,	08-074 19, June Development of BaTiO ₃ e SrTiO ₃ by the Microwave-Assisted Hydrothermal (MAH) method using different mineralizers Nathanael Felipe Guedes Silva (Brasil) (1) UNESP/FCT; Silva, N.F.G.(1); Magalhães, R.S.(1); Santos, L.F.(1); Junior, W.D.M.(1); Sou
08-068	19, June Study of the crystal and electronic structures of (Bi _{1-x} Nd _x)FeO ₃ compositions using Rietveld refinements and the maximum entropy method Odair Gonçalves Oliveira (Brazil) (1) UEM; Oliveira, O.G.(1); Mincache, A.J.(1); Dias, G.S.(1); Santos, I.A	08-076 20, June Novel method for the synthesis of Dy-doped yttrium disilicate phosphors Chieko Yamagata (Brasil) (1) IPEN; Yamagata, C.(1); Leme, D.R.(1); Morais, V.R.(1);
08-069	19, June Dielectric Properties of Potassium Sodium Niobate Ceramics Prepared by Spark Plasma Sintering SILVANIA Lanfredi (Brasil) (1) FCT/UNESP; (2) UCBN; Lanfredi, S.(1); Noudem, J.(2); Nobre, M.A.L.(1); Lira, K.H.(1);	08-082 18, June Effect of Mg doping on structural and electrical properties of BaZr _{0.1} Ti _{0.9} O ₃ ceramics Marcelo Stachiotti (Argentina) (1) IFIR - UNR; (2) FCByF - UNR; Stachiotti, M.(1); Di Loreto, A.(2); Machado, R.(1); Frattini, A.(2);
08-070	18, June Ab initio Studies of the Bi _{1-x} Nd _x FeO ₃ Multiferroic compositions Odair Gonçalves Oliveira (Brazil) (1) UEM; Oliveira, O.G.(1); Mincache, A.J.(1); Perin, G.H.(1); Silveira, L.G.D.(1); Dias, G.S.(1); Santos, I.A.(1); Cótica, L.F.(1);	08-084 19, June Photophysical properties of RE ₃₊ (RE = Pr, Sm, Eu, Tb, Dy and Tm) doped Ag ₂ WO ₄ Ivo Mateus Pinatti (Brazil) (1) UFSCar; Pinatti, I.M.(1); Longo, E.(1); Rosa, I.(1);
08-071	19, June Ba-DOPED BiFeO ₃ nanocrystalline powder obtained by a modified pechini method using microwave energy Ariane Vilca Suarez (Brasil) (1) UFSCar; Suarez, A.V.(1); Perdomo, C.F.(1);	08-086 19, June Dielectric and Magnetic Properties of Ni _x Pb _{1-x} TiO ₃ Solid Solution and Composite: Coexistence of Ferroelectric and Antiferromagnetic Order João Elias F. S. Rodrigues (Brasil) (1) IFSC-USP; (2) UFSCar; Rodrigues, J.E.(1); Da Costa, R.(2); Gualdi
08-072	18, June Ba-DOPED BiFeO ₃ nanocrystalline powder obtained by a modified pechini method using microwave energy Ariane Vilca Suarez (Brasil)	08-088 18, June Thin film heterostructures based on copper sulfide and tin dioxide for electronic applications Luis Vicente de Andrade Scalvi (Brasil) (1) UNESP; Lima, J.V.M.(1); Boratto, M.H.(1); Scalvi, L.V.A.(1);
		08-090 19, June Fabrication and characterization of (LaxSr _{1-x})CoO ₃ thin films by RF-Sputtering. Ricardo Pereira Bonini (Brazil) (1) UFSCar; Bonini, R.P.(1); Gonçalves, A.M.(1); Eiras, J.A.(1); Zabotto, F.L.(1);

08-091	20, June Characterization of rare earth-nickel nanostructures Bruna Niccoli Ramirez (Brasil) (1) UFABC; Ramirez, B.N.(1); Sena, M.(1); Escote, M.T.(1);	08-100	19, June One-pot synthesis: A simple and fast method for obtaining YBCO superconductors Claudio L. Carvalho (Brasil) (1) unesp; Carvalho, C.(1);
08-092	18, June Relaxation properties of bulk Co ₂ Z with W and Y-phases in the 0.5-7 GHz frequency range at different temperatures Rodrigo Gabas Amaro Lima (Brazil) (1) IEAv; (2) UFCEG; Migliano, A.C.C.(1); Lima, R.G.A.(1); Costa, A.C.F.M.(2); Lemos, L.V.(1);	08-102	18, June Photocatalytic evaluation of the magnetic core@shell system (Co,Mn)Fe ₂ O ₄ @TiO ₂ obtained by the modified Pechini method Alex Meireles Neris (Brasil) (1) UFPE; (2) UFPR; (3) Estácio Alexandrino; (4) UFRN; (5) UFSCar; Neris, A.M.(1); Schreiner, W.
08-093	19, June Dielectric dispersion in lead-free based BNT-BT ceramic system Yanela Mendez-González (Cuba) (1) Universidad de La Habana; (2) UFU; Mendez-gonzález, Y.(1); Pentón-madrugal, A.(1); Peláiz-barranco, A.(1); De Los Santos Guerra, J.(2);	08-103	19, June Influence of the lanthanum content on the physical properties of Bi ₅ Fe _{0.5} Co _{0.5} Ti ₃ O ₁₅ multiferroic system José de los Santos Guerra (Brazil) (1) Universidad de La Habana; (2) FEIS, UNESP; (3) UFU; (4) IPIC; (5) Normandie Université; González-ab
08-094	18, June Influence of the donor-cations concentration on the physical properties of barium titanate based ceramics Marco Aurélio Oliveira (Brazil) (1) UFU; (2) IFSC-USP; Oliveira, M.A.(1); M'peko, J.(2); Hemandes, A.C.(2); De Los Santos Guerra, J.(1);	08-104	19, June Correlation between band-gap, luminescence and volume of unit-cell in rare-earth doped lead titanate ceramics José de los Santos Guerra (Brazil) (1) Universidad de La Habana; (2) UASP; (3) ILCVN-UNILA; (4) CEAC; (5) CINVESTAV; (6) UFU; Calderó
08-095	18, June Influence of Processing Condition on Dielectric Properties of K _{0.5} Na _{0.5} NbO ₃ /CoFe ₂ O ₄ Magnetolectric Composites Leonardo Luís Lemes (Brazil) (1) UFSCar; Lemes, L.L.(1); Zabotto, F.L.(1); Garcia, D.(1);	08-105	18, June Preparation and investigation of magnetic properties of nano-sized garnets for application in magnetic hyperthermia. Barbara Sartorelli Caldeira (Brazil) (1) UNESP; (2) UFSCar; (3) UNIFEI; Caldeira, B.S.(1); Simões, A.Z.(1); Longo, E.(2); Garc
08-096	19, June High-Temperature Dielectric Permittivity Characterization of Curie's Temperature Shifting and Correlation with the Changing Dielectric Loss in a Semiconductor Ferroelectric Marcos Augusto Lima Nobre (Brasil) (1) FCT/UNESP; (2) MCTI; Nobre, M.A	08-108	19, June Low Temperature Frequency Dependence of Magnetolectric effect in PMN-PT/CoFe ₂ O ₄ and PMN-PT/NiFe ₂ O ₄ multiferroic composites Alexandre José Gualdi (Brazil) (1) UFSCar; (2) UTSA; Gualdi, A.J.(1); Zabotto, F.L.(1); Garcia, D.(1); Bhalla, A.(2); G
08-097	20, June Grain and Grain-Boundary Electric Resistance Characterization via Impedance Spectroscopy Marcos Augusto Lima Nobre (Brasil) (1) FCT/UNESP; (2) MCTI; Nobre, M.A.L.(1); Praxedes, F.R.(1); Bellucci, F.S.(2); Lanfredi, S.(1);	08-110	20, June Microwave absorption characteristics of Ba-Sr-Co-Ti hexaferrite polyaniline composites charanjit singh (India) (1) Dr; Singh, c.(1);
08-098	18, June Synthesis and deposition of graphene films reduced with nitrogen Melyssa Freitas Melo (Brazil) (1) UFABC; Melo, M.F.(1); Sparvoli, M.(1);	08-112	18, June Sol-gel synthesis and characterization of PZT-PFN thin films Nora Pellegrini (Argentina) (1) IFIR - UNR - CONICET; Imhoff, L.(1); Barolin, S.(1); Pellegrini, N.(1); Stachiotti, M.(1);

08-113	19, June Structural, microstructural and dielectrical properties of PLMN-PT ceramics doped with Yb. Ducinei Garcia (Brasil) (1) UdeA; (2) UFSCar; (3) UDEA; Aristizábal Valencia, M.E.(1); Garcia, D.(2); Eiras, J.A.(2); Londoño, F.A.(3);	08-126	19, June Sintering Behavior of Nanostructured Mixed Metal Oxides Synthesized by Fast Polymeric Precursor Method Claudia Fernandez Perdomo (Brasil) (1) UNIFAL-MG; (2) UFSCar; Cardoso, A.L.F.(1); Gunnewiek, R.F.K.(1); Kiminami, R.H.G.A.(2); Perdomo, C.F.
08-115	20, June Microstructural and electrical properties related to the growth conditions of $x\text{BaTiO}_3/(1-x)\text{Fe}_2\text{CoO}_4$ composite fibers prepared by LHPG technique Aloadir Lucas Santos de Oliveira (Brazil) (1) UFSCar; Milton, F.P.(1); Oliveira, A.L.S.(1); Viana, D	08-128	18, June Growth and electrical characterization of undoped and Cu-doped $(\text{K Na})\text{NbO}_3$ single crystals Marcus Vinicius Silva (Brazil) (1) UNIFESP; Silva, M.V.(1);
08-116	18, June Synthesis and characterization of PVDF/KNN composites Rodrigo Felipe Carneiro Capetta (Brazil) (1) UFGD; Falcao, E.A.(1); Botero, E.R.(1); Capetta, R.F.C.(1);	08-130	18, June Investigation of sintering kinetics of $(\text{KxNa}1-x)\text{NbO}_3$ based lead-free piezoceramics produced by Spark Plasma Sintering Camila Alves Souza (Brasil) (1) UNIFESP; (2) UFSCar; Souza, C.A.(1); Lente, M.H.(1); Eiras, J.A.(2);
08-117	19, June Development of $\text{BaTiO}_3 / \text{BiFeO}_3$ composites for application in solar cells. Renato Boschilia Junior (Brazil) (1) UNIFESP; Boschilia Junior, R.(1); Antonelli, E.(1);	08-136	18, June Magneto-dielectric properties studies of the matrix composite $[\text{SrFe}12\text{O}19(\text{SFO})1-X - \text{BiFeO}_3(\text{BFO})X]$ Juscelino Chaves Sales (Brasil) (1) UFC; (2) UVA; Morais, J.E.V.(1); Bessa, V.L.(1); Sales, J.C.(2); Maia, R.G.(1); Silva, M.A.S.(1); Sombra, A.S.
08-119	19, June Ba-DOPED BiFeO_3 nanocrystalline powder obtained by a modified pechini method using the microwave energy Ariane Vilca Suarez (Brasil) (1) UFSCar; (2) UNIFAL-MG; Kiminami, R.H.G.A.(1); Suarez, A.V.(1); Togashi, M.M.(1); Perdomo, C.F.(1); Gunnewi	08-139	18, June Dielectric Study in the Microwave Range for Ceramic Composites Based on $\text{Sr}_2\text{CoNbO}_6$ and TiO_2 Mixtures Juscelino Chaves Sales (Brasil) (1) UFC; (2) UVA; Morais, J.E.V.(1); Oliveira, R.G.M.(1); Sales, J.C.(2); Castro, A.J.N.(1); Silva, M.A.S.(1);
08-120	18, June Self-biased magnetoelectric effect in particulate composites driven by grain size reducing Flávio Paulo Milton (Brasil) (1) UFSCar; Viana, D.S.F.(1); Oliveira, A.J.A.(1); Jimenez, K.R.C.P.(1); Milton, F.P.(1); Zabotto, F.L.(1); Eiras, J.A.(1);	08-140	18, June Phase transitions of $(\text{Pb}_{0.60}\text{Ca}_{0.40})\text{TiO}_3$ ceramics based on their electromechanical resonance characterization as a function of temperature Catarine Padovani Moreira (Brazil) (1) UFSCar; (2) CNPEM; Garcia, D.(1); Miranda, M.M.J.(1); Milton, F.P.
08-121	19, June Study of the thermo-optical properties of PLZT 9 and 10/65/35 as a function of temperature Evaristo Alexandre Falcao (Brazil) (1) UFGD; (2) UEM; (3) USP; (4) UFSCar; Falcao, E.A.(1); Santos, I.A.(2); Pereira, J.R.D.(2); Medina, A.N.(2); Baesso	08-143	19, June Electronic ceramics fractal microstructure analysis - Minkowski Hull and grain boundaries Vojislav V Mitic (Serbia) (1) 1; (2) 2; (3) 3; Mitic, V.(1); Kocic, L.(2); Paunovic, V.(2); Fecht, H.(3);
08-122	20, June Effect of polarization, domain structure and interfaces on the photovoltaic properties of ferroelectric thin films José Antônio Eiras (Brasil) (1) UFSCar; Gonçalves, A.M.(1); Eiras, J.A.(1);	08-148	18, June Synthesis and down-conversion luminescence of $\text{LaNbO}_4:\text{Pr}^{3+}$ phosphor Juscelino Chaves Sales (Brasil) (1) UFC; (2) UECE; (3) UVA; Nascimento, J.P.C.(1); Carmo, F.F.(1); Façanha, M.X.(2); Vasconcelos, S.J.T.(1); Sales, J.C.(3); Sombra, A.S.B.(1);

- 08-153** 19, June
Potentiality of mesoporous silica ordered as support for pvdof nano composites
Edvanio Chagas (Brazil)
(1) IFMS/UFMG; (2) UFGD; (3) UFBA;
Chagas, E.(1); Soares, C.P.T.(2); Botero, E.R.(2);
Andrade, R.C.(3); Falcao, E.A.(2);
- 08-154** 19, June
Optical properties of lead-free piezophotonic ceramics
Manuel Henrique Lente (Brasil)
(1) UNIFESP; (2) UFSCar;
Lente, M.H.(1); Eiras, J.A.(2); Santos, M.C.(1);
- 08-155** 19, June
Magnetic properties of magnetite-based glass-ceramics obtained from iron-rich scale and borosilicate glass
Tales Gonçalves Avancini (Brazil)
(1) UFRGS;
Avancini, T.G.(1);
- 08-156** 19, June
Fast-synthesis of nanoscaled lanthanum-doped bismuth ferrite
Rodolfo Foster Klein Gunnewiek (Brasil)
(1) UNIFAL-MG; (2) UFSCar;
Gunnewiek, R.F.K.(1); Cancellieri, I.C.(1); Garcia, L.A.(1); Perdomo, C.F.(2);
- 08-157** 18, June
Field-dependent permittivity description in PMN ceramics
Elton Carvalho Lima (Brazil)
(1) UFT; (2) UFU; (3) UNESP;
Lima, E.C.(1); Araújo, E.B.(2); De Los Santos Guerra, J.(3);
- 08-158** 18, June
Investigation of the physical properties of rare-earths modified BFO multiferroic ceramics
José de los Santos Guerra (Brazil)
(1) UFU; (2) Universidad de La Habana;
Martínez-camejo, Y.(1); Peláiz-barranco, A.(2); De Los Santos Guerra, J.(1);
- 08-159** 18, June
Ferroic properties of nickel-ferrite based ceramic composites
José de los Santos Guerra (Brazil)
(1) IFTM; (2) ALFRED; (3) UTSA; (4) UFU;
Junio De Portugal, R.(1); Betal, S.(2); Dutta, M.(3);
Guo, R.(3); Bhalla, A.(3); De Los Santos Guerra, J.
- 08-160** 18, June
Preparation and characteristics of the SOL-GEL (Ba,La)TiO₃ powders and related ceramics
Vasile Adrian Surdu (Romania)
(1) UPB; (2) ICF; (3) UAIC;
Stanciu, C.(1); Crisan, M.(2); Surdu, V.A.(1); Dragan, N.(2); Crisan, D.(2); Mitoseriu, L.(3); Curecheriu, L.(3); Vasile, B.(1); Ianculescu, A.(1);

- 08-161** 18, June
Numerical comparison of usual Arrhenius-like equations for modeling ionic transport in solids
Rafael Bianchini Nuernberg (Brasil)
(1) UFSCar;
Nuernberg, R.B.(1);

Symposium I:
Engineering Ceramics, Mechanical Behavior and Fractography

Humberto N. Yoshimura

- 09-001** 18, June
A study of the compressive strength and deformability of pressed and burned blocks of Red Ceramics for Structural Masonry
Afonso Rangel Garcez Azevedo (Brasil)
(1) UNIRENATOR; (2) UENF;
Cerqueira, N.A.(1); Azevedo, A.R.G.(2); Souza, V.B.(1);
- 09-004** 18, June
Effect of the addition of refractory clay in obtaining tialite and in its physical and mechanical properties
Vitor Guilherme Oliveira (Brasil)
(1) UNIFAL-MG;
Oliveira, V.G.(1); Maestrelli, S.C.(1); Ferraço, F.(1);
Del Roveri, C.(1); Da Cruz, C
- 09-006** 18, June
Concrete with addition of vitreous residue: statistical analysis and market employability
Carlos Alberto Araújo de Lima (Brasil)
(1) ;
Araújo De Lima, C.A.(1); Wolff, M.P.M.(1); Freitas, D.R.(1);
- 09-007** 18, June
Characterization of construction waste and demolition and analysis of the qualities of concrete pre molded pieces for paving of urban ways
Joyce Tatiani Masselani Francisco (Brasil)
(1) UNESP; (2) UNESP/FCT;
Francisco, J.T.M.(1); Teixeira, S.R
- 09-010** 19, June
Effect of granulometry of glass powder used in partial replacement to cement in concrete
Daniele Rodrigues Freitas (Brasil)
(1) IFMA - PEDREIRAS; (2) IFMA;
Freitas, D.R.(1); Paiva, A.E.M.(2); Silva, V.R.C.(2);
- 09-013** 20, June
Zirconia-ceramic versus metal-ceramic: thermal expansion mismatch and residual stresses
Alice Natsuko Jikihara (Brazil)
(1) FOU SP;
Jikihara, A.N.(1);
- 09-014** 18, June
High performance concrete: technical relations in its production associated with the conventional concrete

	Mônica Mollina Moreira (Brazil) (1) UNESP; (2) UNIFEV; Junior, V.A.S.(1); Albuquerque, M.F.(2); Moreira, M.M.(1); Rocha, J.A.(1);	09-039	18, June Sintering and flexural strength of zircon (ZrSiO ₄) stabilized aluminum titanate (Al ₂ TiO ₅) ceramics María Agustina Violini (1) CETMIC; Violini, M.A.(1); Conconi, M.S.(1); Suárez, G.(1); Rendtorff, N.M.(1);
09-015	19, June Synthetic latex influence on mechanical and rheolo- gical concrete properties Maria da Consolação Fonseca Albuquerque (Brazil) (1) UNESP; (2) UNIFEV; Junior, V.A.S.(1); Albuquerque, M.F.(2); Moreira, M.M.(1); Rocha, J.A.(1); Escremin, J.V.(1); J	09-040	19, June Mechanical properties of lanthanum silicate oxyapa- tite (LSO) ceramics Ramiro Julián Moreira Toja (Argentina) (1) CETMIC; (2) NIMS; Moreira Toja, R.J.(1); Uchikoshi, T.(2); Suárez, G.(1); Rendtorff, N.M.(1); Sakka, Y.(2); Aglietti, E.F.(1);
09-017	20, June Study of densification by pressing and sintering of NaCl and KCl salts Pedro Augusto Machado Vitor (Brasil) (1) UFRGS; Vitor, P.A.M.(1); Alves, A.K.(1); Bergmann, C.P.(1); Santos, P.H.F.(1);	09-041	20, June Analysis of microstructural properties of concretes recycled with cdw by x-ray diffraction Luisa Andreia Gachet-Barbosa (Brasil) (1) UNICAMP; Gachet-barbosa, L.A.(1); Oliveira, A.G.(1); Candian, J.(1); Vilhena, M.(1); Alves, S.M.(1); Lintz, R.
09-018	18, June Study of Erosive Wear by Jet Slurry Erosion of Woka 3653 Coating Tungsten Carbide (86WC- 10Co4Cr), Obtained by the HVOF technique. Freddy Galileo Santacruz (Brazil) (1) UFRGS; Santacruz, F.G.(1); Bergmann, C.P.(1); Takimi, A.S.(1);	09-043	18, June Production of self-compacting concrete with expan- ded clay and rubber residue -lightweight aggregates Luisa Andreia Gachet-Barbosa (Brasil) (1) UNICAMP; Gachet-barbosa, L.A.(1); Lintz, R.C.C.(1); Angelin, A.F.(1);
09-019	19, June Influences of Pd ion implantation, surface polarity, and active elements on the wettability of Al-X/6H- SiC system at 1323 K Guiwu Liu (China) (1) ; Huang, Z.(1); Wang, T.(1); Zhang, X.(1); Liu, G.(1); Qiao, G.(1);	09-044	19, June Mechanical analysis of polymeric composites reinfor- ced with bananary fibers and copper benefit residues Druscilla Mafalda Zaghetto (Brasil) (1) UFPA/CAMTUC; Zaghetto, D.M.(1); El Banna, W.R.(1); Lima, F.C.C.(1); Oliveira, P.E.S.(1); Da Trindad
09-036	18, June Study of the effect of diatomy in physical proper- ties of concrete Amanda Regina de Souza Macedo (Brasil) (1) UFRN; Macedo, A.R.S.(1); Gomes, U.U.(1); Silva, A.S.(1); Da Luz, D.S.(1);	09-047	20, June Evaluation of Al ₂ O ₃ content and B ₂ O ₃ /SiO ₂ ratio in SiO ₂ -Al ₂ O ₃ -B ₂ O ₃ -TiO ₂ -La ₂ O ₃ glasses on the infiltration behavior and optical and mechanical properties of alumina composites Henrique Takaaki Tamoto (1) UFABC; (2) UNESC; Tamoto, H.T.(1); Chim
09-037	19, June Passive Vibration Control Using a Metaconcrete Thin Plate Fabiana Maria Silva (Brasil) (1) UNICAMP/IFMA; (2) UNICAMP; Miranda Jr., E.J.P.(1); Angelin, A.F.(2); Silva, F.M.(2); Dos Santos, J.M.C.(2);	09-049	18, June Dependence of tetragonal-ZrO ₂ grain size on the bending strength of Y-TZP ceramics Leonardo Queiroz Bueno Campos (Brazil) (1) UERJ-FAT; (2) UERJ; (3) UNESP; (4) UFF; Santos, C.(1); Alves, M.F.R.P.(1); Ferreira, I.S.(1); Campos, L.Q.B.(2); More
09-038	20, June Mechanical description of gypsum reinforced with sisal fiber Alan Christie Da Silva Dantas (Brasil) (1) UNIVASF; (2) UNVASF; Silva, A.P.(1); Oliveira, F.R.S.B.(1); Pereira, A.F.C.(1); Olivier, N.C.(2); Dantas, A.C.S.(1);	09-052	20, June Development and analysis of recycled mortar with total and partial replacement of the sand by cons- truction and demolition residue Leonardo Barga (Brazil) (1) Toledo Prudente; Barga, L.(1); Chaves, F.P.(1); Fróis, M.R.(1); Reis, E.A.P.(1);

- 09-053** 18, June
Biaxial flexural strength in Y-TZP and finite element simulation (FEM)
Leonardo Queiroz Bueno Campos (Brasil)
(1) UERJ; (2) UFF; (3) UNESP;
Santos, C.(1); Da Silva, P.C.(2); Simba, B.G.(3); Alves, M.F.R.P.(1); Moreira, L.P.(2); Campos, L.Q.B.(1)
- 09-055** 19, June
Dense aluminum borate (Al₁₈B₄O₃₃) ceramics by direct sintering of milled powders
Gustavo Suárez (Argentina)
(1) CETMIC; (2) ICV-CSIC;
Suárez, G.(1); Hernandez, M.F.(1); Baudin, C.(2); Pena, P.(2); Aglietti, E.F.(1); Rendtorff, N.M.(1);
- 09-057** 20, June
Study of the effects of CaCl₂ salt on hydration of MgO in aluminous concrete.
Raquel Gomes Araujo (Brazil)
(1) IFMA;
Sousa, R.E.(1); Paiva, A.E.M.(1); Araujo, R.G.(1);
- 09-058** 18, June
Analysis of the elastic modulus of Al₂O₃-MgO refractory concrete during the hydration process with addition of CaCl₂.
Raquel Gomes Araujo (Brazil)
(1) IFMA;
Sousa, R.E.(1); Paiva, A.E.M.(1); Araujo, R.G.(1);
- 09-059** 19, June
Effect of permanence time at the maximum temperature of sinterization in the physical-mechanical properties of test specimens obtained from compositions containing clays and aluminum waste
Karina Ruiz Silva (Brasil)
(1) UFCEG;
Silva, V.J.(1); T
- 09-060** 20, June
Efficiency of silica powder milling in stirred media mill
Willian Ferreira Camargo (Brazil)
(1) IMC-UCS;
Camargo, W.F.(1); Brunatto, M.L.(1); Cruz, R.C.D.(1);
- 09-061** 18, June
Development of ceramic cutting tool for low-usability metals machining
Vânia Trombini (Brasil)
(1) UFABC;
Trombini, V.(1); Santos, S.F.(1); Becker Da Silva, D.A.(1);
- 09-063** 18, June
Effects of Milling Time on Mechanical Properties of Spark Plasma Sintered WC-10wt%Fe₃Al cermet
Luis Antonio Ccopa Ybarra (Brazil)
(1) UNINOVE / UFABC; (2) UFABC; (3) USP;
Ybarra, L.C.(1); Chimanski, A.(2); Machado, I.F.(3); Yoshimura, H.N.(2);
- 09-065** 20, June
Synthesis and Characterization of a WCCoCr/NiCr Nanocomposite Obtained by High Energy Ball Milling
Waleska Campos Guaglianoni (Brazil)
(1) WCG;
Guaglianoni, W.C.(1);
- 09-066** 18, June
Dynamic Fatigue of Na₂O-CaO-SiO₂-P₂O₅ and Li₂O-2SiO₂ Glasses
Iolanda Justus Dechandt (Brazil)
(1) UEPG; (2) UFSCar;
Dechandt, I.J.(1); Zanotto, E.D.(2); Serbena, F.C.(1);
- 09-068** 19, June
Thermal analyzes of the starting powders and NbC-Ni cermet with addition of TiC and W.
Daniel Ayarroio Seixas (Brazil)
(1) UFABC; (2) BRATS;
Seixas, D.A.(1); Yoshimura, H.N.(1); Santos, S.F.(1); Rodrigues, D.(2);
- 09-069** 20, June
A promising pathway to make in situ growth of In nanoparticles: Electron/Laser irradiation on InP semiconductor
Marcelo Assis (Brasil)
(1) UFSCar; (2) UNESP; (3) UJI; (4) UL;
Assis, M.(1); Longo, E.(2); De Foggi, C.C.(1); Andrés, J.(3); Mingue
- 09-072** 18, June
Synthesis of niobium nitride at low temperature
Rayane Ricardo da Silva (Brasil)
(1) UFRN;
Silva, R.R.(1); Moriyama, A.L.L.(1); De Souza, C.P.(1);
- 09-073** 19, June
Finite element models for analysis of the influence of masonry panels on multi-concrete frames
Fabrício Balestrin (Brazil)
(1) UTFPR - PB; (2) UTFPR; (3) UNIPAR;
Balestrin, F.(1); Gomes, F.A.A.(2); Dalcanel, P.R.(2); Valdameri, C.Z.(3);
- 09-078** 20, June
Comparative analysis of quality and costs of the ceramic tiles type of channel produced and commercialized in Teresina city - Piauí
Lailson Ancelmo (Brasil)
(1) UNINOVAFAP;
Ancelmo, L.(1);
- 09-079** 18, June
Analysis of the technical and environmental feasibility of a ceramic composite (ceramic block) produced with an incorporation of kraft paper fibers
Lailson Ancelmo (Brasil)
(1) UNINOVAFAP;
Ancelmo, L.(1);
- 09-080** 19, June
Consolidation of binderless NbC by spark plasma sintering
Sydney Ferreira Santos (Brasil)

	(1) UFABC; (2) USP; De Siqueira, L.E.C.(1); Cuppari, M.G.V.(1); Trombini, V.(1); Machado, I.F.(2); Santos, S.F.(1);		
09-089	20, June Quality evaluation of a clayey block for its use in the production of glazed ceramic tiles Amanda Lucia Chaparro (Columbia) (1) UFPS; (2) UDP; Sanchez, J.(1); Florez, A.O.(1); Chaparro, A.L.(2);	09-104	20, June Development and characterization of ceramic composites (AL ₂ O ₃ -TiO ₂) reinforced with CEO ₂ for the manufacture of inert coatings in metallic tanks of the petroleum industry. Noelle D'emery Gomes Silva (Brasil) (1) UFPE; Silva, N.D.G.(1); Domingu
09-090	18, June Physical aspects and modeling of the fracture in rocks and cementitious materials Omar Rodriguez-Villarreal (Mexico) (1) UANL; Rodriguez-villarreal, O.(1);	09-107	18, June Optimization of green machining of ZrO ₂ via a simple and small CNC mill Luis Antônio Genova (Brasil) (1) IPEN; Genova, L.A.(1); Silva, A.A.(1);
09-091	19, June Study of permeable concrete Rosa Cristina Cecche Lintz (Brasil) (1) UNICAMP; Lintz, R.C.C.(1); Canteras, F.B.(1); Gachet-barbosa, L.A.(1); Silva, V.F.(1); Teixeira, I.(1);	09-108	19, June Effect of the incorporation of green lake clay in the property of impact and crystallinity of polypropylene Francisco Rolando Valenzuela-Diaz (Brasil) (1) IPEN; (2) EPUSP; Sales, J.N.(1); Poveda, P.N.S.(1); Garcia, R.H.L.(1); Valenzuela-diaz,
09-092	20, June The use of alternative materials in the production of high performance concrete Rosa Cristina Cecche Lintz (Brasil) (1) UNICAMP; (2) IFMA; (3) UNIFEI; Lintz, R.C.C.(1); Silva, F.M.(1); Gachet-barbosa, L.A.(1); Gomes, A.E.(2); Dos Santos, J.M.C	09-112	20, June Size distribution analysis of zirconia grains in ceramic composite microstructure for space use Daniel Alessandro Nono (Brasil) (1) INPE; Nono, D.A.(1); Souza, R.L.G.(1); Mendes, J.P.(1); Silva, I.C.F.(1); Nono, M.C.A.(1);
09-097	18, June Non destructive test in ceramic coating using a prototype for detection of pathology Jonas Alexandre (Brasil) (1) UENF; Pessanha, D.F.(1); Alexandre, J.(1); Azevedo, A.R.G.(1);	09-113	18, June Fracture stress analysis of alumina matrix with zirconia nanograins for space applications Renata Lopes Gonçalves Souza (Brazil) (1) INPE; Souza, R.L.G.(1); Nono, D.A.(1); Mendes, J.P.(1); Silva, I.C.F.(1); Nono, M.C.A.(1);
09-099	18, June Nanotribology and Nanoindentation Response of WC-Fe ₃ Al cermets prepared by Spark Plasma Sintering Luis Antonio Ccopa Ybarra (Brazil) (1) UNINOVE / UFABC; (2) UFABC; Ybarra, L.C.(1); Chimanski, A.(2); Yoshimura, H.N.(2);	09-115	19, June Granulometrical classification study from the densimeter method Camila Tavares Brasileiro (Brasil) (1) UFPB; Santana, G.L.(1); Ferreira, H.S.(1); Brasileiro, C.T.(1); De Azeredo, G.A.(1);
09-100	20, June Experimental and theoretical analysis on porosity of fired clay bricks manufactured with Ground Date Pits Nasser Chelouah (Algeria) (1) UB; Chelouah, N.(1);	09-116	20, June Study of stability of Al ₂ O ₃ -Y ₂ O ₃ -TiO ₂ composite ceramics in crude petroleum environment for inert coating applications in petroleum industry Milena Gonçalves Lima (Brazil) (1) UFPE; Lima, M.G.(1); Yadava, Y.P.(1); Ferreira, R.A.S.(1);
09-103	19, June Effects of vinyl acetate-ethylene copolymer admixture on mechanical properties of a geopolymer mortar Walter Contabile Martins (Brazil) (1) UFABC; Martins, W.C.(1); Yoshimura, H.N.(1);	09-120	18, June Híbrido Compounds of Pseudoboehmite and Graphene Oxide Renato Meneghetti Peres (Brasil) (1) MACKENZIE; (2) EPUSP; (3) Mackenzie; Peres, R.M.(1); Munhoz Jr, A.H.(1); Miranda, L.F.(1); Rossi, M.V.(1); Nagima, V.X.(1); Valenzuela-diaz, F.R.(2); Em

- 09-122 19, June
Interdisciplinarity in the production of ceramic artifacts, in the municipality of Cunha, São Paulo, Brazil
Caio Fernando Da Silva (Brazil)
(1) UNIFEI; (2) UNIFATEA;
Machado Junior, W.A.(1); Da Silva, C.F.(2);
Domingos, B.S.M.(2); Ribeiro, R.
- 09-123 20, June
The Long-term Stability of Embedded Aluminum Nanoparticles in Glass
Janet Callahan (Estados Unidos)
(1) -;
Callahan, J.(1);
- 09-125 18, June
Mechanical Behaviour of Zirconia-Toughened Alumina Laminates with or without Y-PSZ Intermediate Layers
Marcelo Daniel Barros (Brazil)
(1) UFSC; (2) TUHH;
Barros, M.D.(1); Rachadel, P.L.(1); Fredel, M.C.(1);
Janssen, R.(2); Hotza, D.(1);

**Symposium J:
Frontiers of Glass Science**

Edgar Dutra Zanotto

- 10-004 19, June
Ca and Sr Bonding in Mixed Alkali/Alkaline Earth Phosphate Glasses
José Fabián Schneider (Brazil)
(1) IFSC-USP;
Schneider, J.F.(1); Morguetto, G.F.(1); Tsunaki, L.B.(1);
- 10-008 20, June
Effect of crystalline volume fraction and crystal size on the tribological properties of lithium disilicate glass-ceramics
Crislaine Cruz (Brazil)
(1) UEPG; (2) IFPR;
Cruz, C.(1); Mathias, I.(1); Senk, M.V.(2); Serbena, F.(1);
- 10-010 18, June
Bioactivity of $2\text{Na}_2\text{O} \cdot \text{CaO} \cdot 3\text{SiO}_2$ glass with K, Sr and P additions
Karen Cristiane Ribeiro (Brazil)
(1) UEPG;
Ribeiro, K.C.(1); Dechandt, I.J.(1); Souza, G.B.(1);
Serbena, F.(1);
- 10-013 19, June
Borate and silicate glasses as high-dose linear response dosimeters
Marcello Rubens Barsi Andreetta (Brazil)
(1) IFG; (2) UFSCar; (3) IPEN/CNEN;
Oliveira, L.N.(1); Andreetta, M.R.B.(2); Schimidt, F.(1);
Antônio, P.L.(3); Nascimento, E.O.(1); Cal
- 10-014 20, June
Fracture toughness measurements by COD of SrO-MgO-Al₂O₃-B₂O₃-SiO₂ glass-ceramics composites for use as SOFC sealants
Leonardo Sant'Ana Gallo (Brazil)
(1) UEPG; (2) UAM;
Sant'ana Gallo, L.(1); Moreira Justo, V.(1); De Souza Just, L.(1); Antunes
- 10-016 18, June
Effect of Crystal Size and Crystallinity on the Fracture Toughness and Strength of Stoichiometric Lithium Disilicate Glass-Ceramics
MARIZA VEIGA SENK (Brazil)
(1) UEPG; (2) UFSCar;
Senk, M.V.(1); Zanutto, E.D.(2); Serbena, F.C.(1);
Mathias, I.
- 10-017 19, June
Mechanical properties of barium disilicate glass-ceramics
Simone do Rocio Ferraz Sabino (Brazil)
(1) UEPG; (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
Sabino, S.R.F.(1); Rodrigues, A.M.(2); Silva, L.D.(2)
- 10-018 18, June
Glass formation and crystallization in V₂O₅ - Bi₂O₃ - Fe₂O₃ glasses
Rodolfo Foster Klein Gunnewiek (Brazil)
(1) UNIFAL-MG;
Almeida, N.P.(1); Gunnewiek, R.F.K.(1); Cassanjes, F.C.(1);
- 10-022 18, June
Mechanical properties of glass-ceramic sealants of the system BaO/SrO-MgO-B₂O₃-SiO₂
Francisco Carlos Serbena (Brazil)
(1) UEPG; (2) ICV; (3) UAM;
Moreira Justo, V.(1); Pascual, M.J.(2); Rodríguez-lopez, S.(3); Gallo, L.S.(1); Serbena, F.C.(1);
- 10-024 19, June
Dynamic Processes in Silica and Alumina Glasses
Marcio Luis Ferreira Nascimento (Brazil)
(1) UFBA;
Nascimento, M.L.F.(1);
- 10-025 20, June
Diffusion, Viscosity and Ionic Transport Properties in Lead Metasilicate Glass
Marcio Luis Ferreira Nascimento (Brazil)
(1) UFBA; (2) UFSCar;
Nascimento, M.L.F.(1); Cassar, D.R.(2); Rodrigues, A.C.M.(2);
- 10-033 18, June
Glass Stability of Alkali and Alkaline Earth-Silicate and -Germanate Glasses
Jeanini Justi (Brazil)
(1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
Justi, J.(1); Mattos, M.N.(1); Andreetta, M.R.B.(1);
Zanott

10-036	19, June Electron Paramagnetic Resonance of Vanadium-Doped SbPO ₄ – GeO ₂ Glasses Claudio Jose Magon (Brazil) (1) USP; (2) UNITO; (3) UNESP; (4) UEL; (5) ; Magon, C.J.(1); Donoso, J.P.(1); Silva, I.A.(1); Chiesa, M.(2); Morra, E.(2); Montesso, M.(3); Man	10-052	19, June Structural and EPR studies of Cu ²⁺ ions in NaPO ₃ – Sb ₂ O ₃ – CuO glasses Douglas Faza Franco (Brazil) (1) ; (2) UFSCar; (3) USP; (4) IQ-UNESP; (5) UFJF; Franco, D.F.(1); Carvajal, E.E.(2); Donoso, J.P.(3); Magon, C.J.(3); Fares, H.(4); Silva, M.
10-038	19, June Raman scattering and molecular dynamic simulations investigation of lead metasilicate glass and supercooled liquid structures David Vieira Sampaio (Brazil) (1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (2) U	10-053	18, June Variations of Q _n distribution in bioactive glasses containing strontium oxide and alumina Mariana Silva Araujo (Brasil) (1) IPEN; (2) Ipen; Araujo, M.S.(1); Silva, A.C.(1); Costa E Silva, D.L.(1); Mello-castanho, S.R.(2);
10-039	18, June Microstructure and mechanical properties of nucleant-free glass-ceramics of the Li ₂ O-CaO-SiO ₂ system Gisele Guimarães Santos (Brazil) (1) UFSCar (CeRTEV); (2) UEPG; (3) ; (4) Center for Research, Technology, and Education in Vitreous Materials	10-055	19, June Structural Reinforcement of Nb ₂ O ₅ in Soda-Lime Borosilicate Glasses for Nuclear Waste Immobilization Danilo Lopes Costa e Silva (Brasil) (1) IPEN; (2) Ipen; Silva, D.L.C.(1); Silva, A.C.(1); Araujo, M.S.(1); Mello-castanho, S.R.(2);
10-040	19, June Optical Study of Eu-Doped Oxyfluoroborate and Oxyfluorogermanate Glasses Eduar Enrique Carvajal (Columbia) (1) UFSCar; (2) USP; (3) University of Sao Paulo; Carvajal, E.E.(1); De Camargo, A.(2); Donoso, J.P.(2); Eckert, H.(3);	10-057	19, June Investigation of the thermal and structural properties of TeO ₂ -based glass-ceramics Renato Cruvinel Oliveira (Brazil) (1) FEIS, UNESP; (2) UFU; Oliveira, R.C.(1); Dantas, N.O.(2); De Los Santos Guerra, J.(2); Silva, A.C.A.(2);
10-041	20, June Machine learning prediction of the liquidus temperature for oxide glass-formers Graziela Pentean Bessa (Brazil) (1) UFSCar; (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); Bessa, G.P.(1); Cassar, D.R.(1); Zan	10-061	18, June Young's modulus of glass ceramics obtained from igneous rock: impulse excitation x instrumented indentation Angelo Pradella Titton (Brazil) (1) IMC-UCS; Titton, A.P.(1); Cruz, R.C.D.(1);
10-042	19, June Fluoride loss in fluoride-phosphate glasses: dependence of composition and glass structure on preparation conditions Doris Möncke (Greece) (1) NHRF; Möncke, D.(1);	10-064	19, June Alternative route for improving mechanical properties of glasses using high pressure. Leonardo Resende (Brasil) (1) UFRGS; Resende, L.(1); Buchner, S.(1);
10-043	18, June Glass stability and crystallization kinetics on the SrO-CaO-B ₂ O ₃ -SiO ₂ -TiO ₂ glass system Aluisio Alves Cabral (Brazil) (1) IFMA; (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (3) UFSCar; (4) ICV; Cabral, A.A	10-067	18, June Crystallization kinetics of devitrite-combeite glasses Guilherme da Silva Macena (Brazil) (1) EESC/USP; (2) Vavilov State Optical Institute; Macena, G.S.(1); Ferreira, E.B.(1); Fokin, V.M.(2);
10-046	19, June Lithium metasilicate produced under high pressure and high temperature and their thermal stability at atmospheric pressure Silvio Buchner (Brazil) (1) UFRGS; (2) Vavilov State Optical Institute; (3) PUC-PR; Buchner, S.(1); Kulbieda, F.R.(1); F	10-070	18, June 3D finite element analysis of residual tensile stresses on bilayered dental ceramic systems. Johnata Cavalcanti Fonseca (Brazil) (1) EESC/USP; (2) USP; Fonseca, J.C.(1); Ferreira, E.B.(1); Salomão, R.(2); Paccola, R.(1);

- 10-074 19, June
Dopant Concentration Dependence of Structural and Optical Properties in Lead Silicate Glasses Doped with Nickel, Cobalt and Chromium
Rafaella Bartz Pena (Brazil)
(1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
- 10-075 18, June
Sintering and rounding kinetics of irregular glass particles
Raphael Midea Cuccovia Vasconcelos Reis (Brazil)
(1) UFF; (2) INVAP- SE; (3) UERJ; (4) EESC/USP; (5) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
Re
- 10-078 18, June
Influence of Gd₂O₃ in the physical and structural properties of new transparent germanoborate glasses.
Roger Gomes Fernandes (Brazil)
(1) UNESP; (2) ; (3) IQ-UNESP;
Fernandes, R.G.(1); Franco, D.F.(2); Nalin, M.(3);
- 10-080 19, June
Structure and Optical Properties of Borophosphate Glasses
Thais Mota Carvalho (Brazil)
(1) UFF;
Carvalho, T.M.(1); Ferreira, E.A.(1); De Souza, M.L.(1); Da Silva, L.(1);

**Symposium K:
Frontiers of Glass Technology**

Mathieu Hubert

- 11-005 18, June
Chemical durability of type I glass vials
Sandra Balan Mendoza Jaime (Brasil)
(1) ITAL;
Jaime, S.B.M.(1); Bócoli, P.F.J.(1); Kiyataka, P.H.M.(1);
- 11-008 18, June
Study of devitrification and sinterability of SiO₂-CaO - K₂O - ZrO₂ and SiO₂ - Li₂O - ZrO₂ system frits
Ana Paula Fonseca Albers (Brazil)
(1) UNIFESP;
Albers, A.P.F.(1); Quinteiro, E.(1); Trichês, E.S.(1); Freitas, L.S.(1);
- 11-013 18, June
Feasibility of incorporating wood ash as a partial replacement of silica in the production of soda-lime glasses
Luiz Veriano Oliveira Dalla Valentina (Brasil)
(1) UDESC; (2) udesc;
Mezaroba, G.(1); Tomiyama, M.(2); Dalla Valentina, L.V.O.(1);

- 11-016 18, June
Preliminary Kinetic Study of Chemical Tempering of Float Glass
Pedro Costa Braga (Brazil)
(1) EPUSP;
Braga, P.C.(1); Beneduce, F.(1);
- 11-020 18, June
Mechanical properties of transparent glass-ceramics for ballistic armours
Débora Cristina Niero Fabris (Brasil)
(1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
Fabris, D.C.N.(1); Villas Boas, M.O.C.(1); Zanot
- 11-022 18, June
Effect of heat treatment on the porosity of SLS foam glass
Manoel Cruz Barbosa Neto (Brasil)
(1) UFSCar; (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV);
Barbosa Neto, M.C.(1); Crovace, M.C.(1); Zanotto, E.D.(
- 11-023 18, June
Laser-induced surface crystallization of eutectic composition glass
Ângela Santana Nunes (Brasil)
(1) UFSCar;
Nunes, A.S.(1); Andreetta, M.R.B.(1);
- 11-024 18, June
Soda lime silica glasses obtained from industrial solid wastes
Mariana Silva Araujo (Brasil)
(1) IPEN;
Araujo, M.S.(1); Prado, U.S.(1); Genova, L.A.(1);
- 11-028 18, June
Development of a glass with ultraviolet absorption by adding frits to flint glass
Fernando Santos Ortega (Brasil)
(1) Wheaton; (2) FEI;
Sasso, D.D.(1); Ortega, F.S.(2);
- 11-029 18, June
Effect of cullet addition on the crystallization of glasses based on blast furnace slag
Catia Fredericci (Brasil)
(1) IPT;
Fredericci, C.(1);
- 11-031 18, June
Wettability of commercial solar control glass, Part A: influence of the coating film composition
Natalia Massaro (Brasil)
(1) USP; (2) CBC;
Massaro, N.(1); Vacciolli, K.(1); Valera, T.S.(1); Luiz, M.N.(2); Balani, V.(2); Chagas, D.C.(2); Toffol

11-032	18, June Wettability of commercial solar control glass, Part B: influence of the temperature and substrate angle. Kleber Vaccioli (Brasil) (1) USP; (2) CBC; Vaccioli, K.(1); Massaro, N.(1); Valera, T.S.(1); Toffoli, S.M.(1); Luiz, M.N.(2); Balani, V.(2)
11-033	18, June Production of glass from thin quartzite-processing residue Vinicius Rodrigues Gomes (Brazil) (1) UENF; (2) CETEM; Gomes, V.R.(1); Babisk, M.P.(1); Vidal, F.W.H.(2); Vieira, C.M.F.(1); Sampaio, J.A.(1);
11-035	18, June Pores: the plague of glass-ceramics Oscar Peitl (Brasil) (1) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (2) Center for Research, Technology, and Education in Vitreous Materials (CeRTEV); (3) FSU; Peitl, O.(1)

Symposium L:
Fundamentals of Sintering and Advanced Sintering Processes

Ricardo Castro

12-001	20, June Effect of sintering parameters and anodic oxidation on electrical properties of niobium electrolytic capacitors Edson Silva do Nascimento (Brasil) (1) UFRN; Nascimento, E.S.(1); Mello Jr, M.M.B.(1); Karimi, M.M.(1); Gomes, U.U.(1);
12-002	20, June High Pressure / High Temperature Sintering of Polycrystalline Diamond with Different Binders Mariana Chianca Lúcio Silva (Brasil) (1) UFRN; (2) UENF; Silva, M.C.L.(1); Karimi, M.M.(1); Gomes, U.U.(1); Filgueira, M.(2);
12-003	18, June Study of the influence of nickel addition in alumina by the route of powder metallurgy Valter Bezerra Dantas (Brasil) (1) UFRN; (2) ufrn; Oliveira, A.G.(1); Gomes, U.U.(1); Oliveira, L.A.(2); Dantas, V.B.(1);
12-004	20, June Estudo da evolução da moagem na mistura dos pós de Al ₂ O ₃ /Ni Valter Bezerra Dantas (Brasil) (1) UFRN; (2) ufrn; Oliveira, A.G.(1); Gomes, U.U.(1); Oliveira, L.A.(2); Dantas, V.B.(1);

12-007	20, June Study of the sintering of MgAl ₂ O ₄ (MA) spinel powders obtained by combustion in solution. Pedro Augusto Machado Vitor (Brasil) (1) UFRGS; Vitor, P.A.M.(1); Bragança, S.R.(1); Bergmann, C.P.(1);
12-009	20, June Sintering behavior of nickel-zirconia composites Vera Lúcia Arantes (Brasil) (1) USP; (2) EESC-USP; Arantes, V.L.(1); Coutinho, R.B.(2); Martins, S.S.(2);
12-010	20, June Development of 3Y-ZrO ₂ /alumina functionally graded materials by two-step sintering Vera Lúcia Arantes (Brasil) (1) USP; Arantes, V.L.(1);
12-012	20, June Synthesis of Li-doped gamma-alumina nanopowders Rahpael Anacleto Martins Pires de Oliveira (Brazil) (1) USP; De Oliveira, R.M.P.(1); Gouvêa, D.(1); Caliman, L.B.(1);
12-016	20, June Flash sintering of 3Y-TZP/Al ₂ O ₃ composites Raphael Euclides Prestes Salem (Brasil) (1) UTFPR; (2) UEPG; (3) USP; (4) FZEA/USP; Salem, R.E.P.(1); Monteiro, F.R.(2); Ojaimi, C.L.(3); Campos, J.V.(4); Chinelatto, A.L.(2); Chinelatto, A.S.A.(2); P
12-020	18, June Addition of ultradispersed oxides in nano alumina to promote sintering at low temperatures Larissa Bezerra Silva (Brasil) (1) UFRN; Silva, L.B.(1); Peres, A.P.S.(1); Costa, A.C.S.(1); Acchar, W.(1);
12-021	20, June Sintering behavior of TiO ₂ nanoceramic by Spark Plasma Sintering Diego Seiti Fukano Viana (Brasil) (1) UFSCar; (2) UDEA; Alvarez Roca, R.(1); Viana, D.S.F.(1); Eiras, J.A.(1); Londoño, F.A.(2);
12-022	20, June Surface segregation of Li ₂ O onto the magnesium spinel nanopowders prepared by precipitation in ethanol André Avancini Bernardes (Brazil) (1) USP; (2) IPT; Bernardes, A.A.(1); Caliman, L.B.(1); Guimarães, K.L.(2); Gouvêa, D.(1);
12-023	20, June Investigation of hot pressing parameters of bismuth germanate (Bi ₄ Ge ₃ O ₁₂) scintillator ceramics Ivus Lorenzo Oliveira Matos (Brazil) (1) UFS; Matos, I.L.O.(1); Andrade, A.B.(1); Macedo, Z.S.(1); Giroldo Valério, M.E.(1);

12-024	20, June Copper-Doped Zinc Oxide Nanoparticles Synthesis by a Fast Polymer Precursor Based Method Diógenes Ferreira Almeida (Brazil) (1) UNIFAL; Almeida, D.F.(1); Garcia, L.A.(1);	12-048	20, June Deposition of Si on ceramic tungsten carbide inserts by laser methods Rene Martins Volu (Brasil) (1) ITA; (2) IEAv; (3) IFSP; (4) INPE; (5) PROMARKING; Volu, R.M.(1); Silva, S.A.(2); Santos, C.L.(3); Contin, A.(4); Claudino, M.F.(5); Vasconcel
12-025	20, June Spark plasma sintering of nano-composites PZT-Fe ₂ CoO ₄ Claudia Fernandez Perdomo (Brasil) (1) UFSCar; (2) UFPR; Perdomo, C.F.(1); Do Nascimento, W.J.(2); Eiras, J.A.(1); Garcia, D.(1); Kiminami, R.H.G.A.(1);	12-049	20, June Sintering of tungsten carbide (WC) coatings on 4340 steel with CO ₂ laser Rene Martins Volu (Brasil) (1) IEAv; (2) ITA; Dyer, S.A.S.(1); Volu, R.M.(2); Jardim, V.R.(1); Vasconcelos, G.(1);
12-030	20, June Characterization of ZnO films deposited by sol-gel dip-coating Matias Tejerina (Argentina) (1) CETMIC; (2) INTEMA; Suárez, G.(1); Tejerina, M.(1); Parra, R.(2);	12-053	20, June Boron carbide interlayers on WC-CO inserts by MOPA laser methods Andre Contin (Brasil) (1) UFG; (2) ITA; (3) IEAv; (4) PROMARKING; (5) UNIFESP; (6) INPE; Contin, A.(1); Volu, R.M.(2); Dyer, S.A.S.(3); Claudino, M.F.(4); Damm, D.D.(5); Corat, E
12-034	20, June Numerical Simulation of Density and Temperature Evolution in Alumina Compacts Vinícius de Souza Godim de Oliveira (Brazil) (1) UFSC; De Oliveira, V.S.G.(1); Hotza, D.(1); González, S.Y.G.(1);	12-054	20, June Evaluation of 3YTZP films deposited by electrophoretic deposition on titanium and irradiated with Nd:YAG laser Rene Ramos Oliveira (Brasil) (1) IPEN; Xavier, G.L.(1); Ussui, V.(1); Oliveira, R.R.(1); De Rossi, W.(1); Lima, N.B.(1); De Castro,
12-036	20, June Production of composite Ag-NbC through vacuum sintering activate by mechanical synthesis, in situ , from Ag, Nb, and graphite powders. Uílame Umbelino Gomes (Brasil) (1) UFRN; Mello Júnior, M.M.B.(1); Menezes, R.A.C.(1); Silva, H.F.M.(1); Gome	12-057	20, June A comparative performance of the (Al ₂ O ₃) cutting tools when dry turning two cast irons José Vitor Candido (Brasil) (1) UNESP; Candido, J.V.(1);
12-037	20, June COMPARATIVE ANALYSIS OF POROSITY CERAMIC COATING PLATE BASED ON THE TEMPERATURE OF SINTERIZATION Kelliany Medeiros Costa (Brazil) (1) UFAL; Costa, K.M.(1); Carnaúba, T.M.G.V.(1); De Abreu, F.C.(1); Cavalcanti Da Silva, J.E.(1); Macedo Friess X	12-058	20, June Study of the stability of Ca ₂ MgZrO ₆ and Ca ₂ NiZrO ₆ ceramics in crude petroleum and their comparison of potentiality for use as ceramic substrates for temperature sensors in the petroleum industry Rebeka Oliveira Domingues (Brasil) (1) UFPE; Dom
12-041	20, June Sintering of Recycled WC-Co-Ni by Pulsed Electric Current Sintering Catia Fredericci (Brasil) (1) IPT; (2) Proart; (3) USP; (4) BRATS; Fredericci, C.(1); Da Silva, M.(2); Tertuliano, A.J.O.(3); Machado, I.F.(3); Rodrigues, D.(4);	12-059	20, June Grain boundary and surface area evaluation of Ca or Mg-doped SnO ₂ nanopowders Gilberto José Pereira (Brasil) (1) FEI; Pereira, G.J.(1); Batista, F.(1);
12-045	20, June Effect of Polishing on the Frictional Resistance of Ceramic Brackets Catia Fredericci (Brasil) (1) IPT; (2) Inser; Fredericci, C.(1); Martins, R.(2);	12-060	20, June YBCO superconducting nanotubes synthesized by electrospinning technique Diego Anísio Modesto (Brazil) (1) UFABC; Modesto, D.A.(1); Medina, M.S.(1); Bernardi, J.C.(1); Lanfredi, A.J.C.(1); Escote, M.T.(1);

**Symposium M:
Green and Energy Efficient Processing**

Rodrigo Moreno / Sonia R. H. Mello Castanho

- 13-002** 18, June
Evaluation of the potential of the sludge from the pulp and paper industry in fitting blocks.
Afonso Rangel Garcez Azevedo (Brasil)
(1) UENF; (2) IME; (3) UNIRENTOR; (4) UCAM; Azevedo, A.R.G.(1); Alexandre, J.(1); Xavier, G.C.(1); Marvila, M
- 13-004** 18, June
Development of artificial stone base of oyster shells for application in workbenches.
Thamyres Hellen Silva (Brasil)
(1) UFSC; (2) UFSC/UMINHO; (3) UMINHO; Silva, T.H.(1); Henriques, B.P.(2); Silva, F.S.(3); Guimarães, J.M.(1); Fredel, M.C.(1)
- 13-005** 19, June
Waste printed circuit boards for the mortar production
José Ricardo Ferrari (Brasil)
(1) Ifes; (2) IFES; Ferrari, J.R.(1); Silva, R.V.(2); Louzada, D.M.(1); Tinti, I.C.(1);
- 13-007** 18, June
Synthesis of the PrNi_{0.8}Co_{0.2}O₃ and LaNi_{0.8}Co_{0.2}O₃ cathodes by the gelatin method for application in solid oxide fuel cells (SOFC).
Thaís de Oliveira Almeida (Brasil)
(1) UFPB; Queiroz, D.F.(1); Aquino, F.M.(1); Silva, F.F.(1); Almeida, T.O.(1)
- 13-008** 19, June
Development of ceramic materials PrNiO₃ AND PrCoO₃ for application in cathode of solid oxide cells
Virgínia Vieira Aires (Brasil)
(1) UFPB; Aires, V.V.(1); Queiroz, D.F.(1); Aquino, F.M.(1); Da Silva, I.B.(1); Almeida, T.O.(1);
- 13-009** 18, June
Influence of synthesis methods on microstructure of SrCoO_{3-d} cathode for solid oxide fuel cells (SOFC)
Thaís de Oliveira Almeida (Brasil)
(1) UFPB; Almeida, T.O.(1); Aquino, F.M.(1); Da Silva, I.B.(1); Queiroz, D.F.(1); Aires, V.V.(1); Silva,
- 13-010** 19, June
Synthesis and characterization of LaCoO₃ and LaNiO₃ perovskites obtained by the gelatin method used as cathodes in SOFCs
Iago Bezerril da Silva (Brasil)
(1) UFPB; Da Silva, I.B.(1); Aquino, F.M.(1); Queiroz, D.F.(1); Almeida, T.O.(1); Aires, V

- 13-011** 18, June
Thermal stability of rubidium birnessite-type material synthesized from Mn residues from Amazon Region
Thayná Ferreira Azevedo (Brazil)
(1) UFOPA; (2) IFMA; (3) UFPA; (4) MLU; Do Mar, I.c.(1); Azevedo, T.F.(1); Figueira, B.A.M.(1); Rivas Mercuri
- 13-013** 19, June
The electrolytic conversion of ambient CO₂ mediated by molten carbonates in multi-walled carbon nanotubes
Sabrina Arcaro (Brasil)
(1) UFRGS; Arcaro, S.(1); Dos Santos, W.F.(1); Alves, A.K.(1); Bergmann, C.P.(1); Wermuth, T.B.(1);
- 13-014** 18, June
Hydrothermal Synthesis of Octahedral Molecular Sieve (OMS-1) from Mn oxide residues
Thayná Ferreira de Azevedo (Brazil)
(1) UFOPA; (2) IFMA; Azevedo, T.F.(1); Rezende, D.S.(1); Mendes, K.(1); Figueira, B.A.M.(1); Rivas Mercury, J.M.(2);
- 13-017** 19, June
Nanostructured Oxides Based on Niobate with Tetragonal Tungsten Bronze Structure Synthesized by Spray Pyrolysis Method.
SILVANIA Lanfredi (Brasil)
(1) FCT/UNESP; (2) CNRS, Grenoble INP; Lanfredi, S.(1); Praxedes, F.R.(1); Djurado, E.(2); Nobre
- 13-020** 18, June
Synthesis of 13X molecular sieve employing Kaolin residues from Amazon Region
Thayná Ferreira de Azevedo (Brazil)
(1) UFOPA; (2) UFPA; Silva, E.B.(1); Figueira, B.A.M.(1); Vasconcelos, A.A.(1); Silva, G.C.T.(2); Azevedo, T.F.(1);
- 13-022** 19, June
Synthesis, characterization, and evaluation of optical properties of potassium niobate (KNbO₃) by microwave-assisted hydrothermal method (MaHS)
Tiago Bender Wermuth (Brasil)
(1) UFRGS; Wermuth, T.B.(1); Bergmann, C.P.(1); Baibich, M.N.(1); Ame
- 13-023** 18, June
Microwave-assisted synthesis and photocatalytic activity of TiNb₂O₇ nanoparticles
João Batista Rodrigues Neto (Brazil)
(1) UFSC; (2) EMPA; (3) ICV; Rodrigues Neto, J.B.(1); Falk, G.S.(1); Borlaf, M.(2); Novaes De Oliveira, A.P.(1); Moreno, R.(

13-026	19, June Silica-soda-lime glass production from solid wastes generated by São Tomé stones processing and its characterization Julia Santos Pereira (Brazil) (1) CEFET MG; (2) SMMA; (3) UEMG; Pereira, J.S.(1); Abreu, W.M.(2); Cardoso, A.V.(3);
13-029	18, June Adsorption of tannic acid on γ -Al ₂ O ₃ and its effect on the suspension stability and particles dispersion Jaíne Webber (Brasil) (1) UCS-IMC; (2) IMC-UCS; Webber, J.(1); Cruz, R.C.D.(2); Zorzi, J.E.(2);
13-030	19, June New liquid-liquid interface route to obtain ZnS nanoparticles. Yuri Vinicius Bruschi de Santana (Brazil) (1) UTFPR; (2) IQ/UNESP; De Santana, Y.V.B.(1); Longo, E.(2);
13-032	18, June Addition of eggshell waste in traditional ceramic Francine Machado Nunes (Brazil) (1) UFPEL; Nunes, F.M.(1); Rangel, E.M.(1); Camaratta, R.(1); Machado, F.M.(1);
13-047	18, June Simulation model of the temperature inside an intermittent kiln of the clay ceramic industry Bruno Lima Souza (Brazil) (1) IFF; Lima, Y.S.(1); Morais, A.S.C.(1); Ferreira, C.N.(1); Souza, B.L.(1);
13-049	19, June Preparation of YTZP/SiC/SiO ₂ materials by colloidal processing and SPS Rodrigo Moreno (Espanha) (1) ITM; (2) ICV; Navarro Lopez, L.(1); Borrell, A.(1); Gutiérrez-gonzález, C.(1); Salvador, M.D.(1); Moreno, R.(2);
13-050	18, June Hydrothermal synthesis of sodalite from a kaolin waste by alkali fusion treatment Amanda Maria Vieira (Brazil) (1) UFOPA; (2) IFPA; (3) UFPA; Vieira, A.M.(1); Figueira, B.A.M.(1); Santos, M.P.(1); Vasconcelos, A.A.(1); Da Luz, P.T.S.(2); Maia,
13-055	19, June Use of agar gel as additive in alumina injection molding Leonardo Oliveira (Brazil) (1) ITA; (2) IAE; Thomazini, E.F.(1); Oliveira, L.(2); Cairo, C.A.A.(2); Graça, M.L.A.(2);

13-056	18, June Electronic Materials Science and Energy Fractal Nature Vojislav V Mitic (Serbia) (1) 1; (2) 2; (3) 3; (4) 4; Mitic, V.(1); Kocic, L.(2); Paunovic, V.(2); Lazovic, G.(3); Tidrow, S.(4); Vosika, Z.(2);
13-057	19, June High Performance of Solar cell based on Brazilian natural dyes and nano semiconductors: TiO ₂ nd SnO ₂ -F using solar simulator Icoana Lais Leitão Mascarenhas Martins (Brazil) (1) UnB; (2) EPUSP; (3) USP; Martins, I.L.M.(1); Hidalgo, M.P.(1); Brit
13-061	19, June The effect of enhancement of ceramics by incorporation of industrial laundry water cleaning sludge Priscila Brentan Praxedes (Brazil) (1) PUCPR; Praxedes, P.B.(1);

Symposium N:
High and Ultra High Temperature Ceramics

William (Bill) E. Lee / Victor C. Pandolfelli / Jon Binner / Christos Aneziris

14-025	20, June Processing and characterization of a novel CBN/Nb-Ni cutting tool material Marcello Filgueira (Brazil) (1) UENF; (2) UFRN; Filgueira, M.(1); Oliveira, M.P.(1); Guimarães, R.S.(1); Barros, R.A.(1); Karimi, M.M.(2); Gomes, U.U.(2);
14-026	18, June Is it possible to sinter binderless Si ₃ N ₄ bodies for metalworking purpose? Marcello Filgueira (Brazil) (1) uenf; (2) UENF; (3) UERJ; Filgueira, M.(1); Nascimento, A.L.(2); Souza, D.(1); Guimarães, R.S.(1); Santos, C.(3);
14-031	19, June Brazilian Refractory Grade Bauxite: A New Alternative to Refractories Makers and Users. André Luis Pereira (Brasil) (1) MC; (2) CURIMBABA; Pereira, A.L.(1); Dos Reis, M.A.(1); Ferreira, L.L.H.C.(2); Nakachima, P.M.(1);
14-032	20, June Densification and microstructure of Si ₃ N ₄ -TiN ceramic composites Cecilia Chaves Guedes-Silva (Brasil) (1) IPEN; (2) USP; Ferreira, T.S.(1); Carvalho, F.M.S.(2); Guedes-silva, C.C.(1);

14-044	18, June Evaluation of SiC sintering via liquid phase using as additive the systems TiO ₂ /Al ₂ O ₃ and TiO ₂ /Y ₂ O ₃ Marcela Rego Oliveira (Brasil) (1) EEL/USP; Oliveira, M.R.(1); Ribeiro, S.(1);	14-079	19, June Effect of reinforcement additions on mechanical, thermal, oxidation and ablation properties of ZrB ₂ based ultra-high temperature ceramic composites Rahul Mitra (India) (1) S. Kashyap; (2) M. Mallik; (3) R. Mitra; Kashyap, S.(1); Mallik, M.(2);
14-045	19, June Effect of MgO addition on mullite synthesis "in situ" Thays Allana Olcoski (Brazil) (1) UEPG; (2) USP; (3) uepg; Olcoski, T.A.(1); Chinelatto, A.S.A.(2); Chinelatto, A.L.(2); Salem, R.E.P.(3);	14-080	20, June Evaluation of the use of hydraulic alumina for the production of calcium hexaluminate Vitoria Marques Cesar Leite (Brasil) (1) UNIVAP; (2) Univap; (3) USP; Leite, V.M.C.(1); Gonçalves, E.P.(2); Salomão, R.(3); Oliveira, I.R.(2);
14-058	20, June Sialon-based composites prepared from the aluminium oxynitride SHS-derived powders Mirosław M. Bucko (Poland) (1) AGH; Bucko, M.(1);	14-083	18, June Influence of the addition of man-made ceramic fiber on the physical properties of refractory concretes Rodrigo de Lima Ribeiro (Brazil) (1) PMT-USP; Ribeiro, R.L.(1); Lenz E Silva, G.F.B.(1);
14-059	18, June Effect of the adhered ladle slag on the decarburization of MgO-C bricks Marcos Nahuel Moliné (Argentina) (1) INTEMA; (2) CINI; Moliné, M.N.(1); Galliano, P.(2); Tomba Martinez, A.G.(1);	14-084	19, June Processing and Characterization of Cf/C Composites with ZrB ₂ and ZrC Addition Rosa Maria da Rocha (Brasil) (1) IAE; (2) DCTA; Rocha, R.M.(1); Pardini, L.C.(2); Souza, M.A.M.(1);
14-065	20, June Impact of thermal coatings on the optimization of an industrial furnace Carlos Eduardo de Meo (Brazil) (1) UFSCar; De Meo, C.E.(1); Pandolfelli, V.C.(1); Sako, E.Y.(1); Pelissari, P.B.G.B.(1); Béttega, R.(1);	14-085	20, June Dense HfC with High Fracture Toughness through Microstructure Design using a Novel SiCN-C Sintering System Na Ni (China) (1) NN; Ni, N.(1);
14-070	19, June The insulation and safety layer function in the performance of steel ladles Murilo Henrique Moreira (Brazil) (1) UFSCar; (2) USP; Campos, M.G.G.(1); Dos Santos, M.F.(1); Pelissari, P.B.G.B.(1); Sako, E.Y.(1); Angélico, R.A.(2); Pandolfelli, V.	14-086	18, June Thermal conductivity study of zirconia co-doped with yttria and niobia for TBC application Renata Jesuina Takahashi (Brasil) (1) Unifesp; (2) IAE; (3) UNIFESP; Takahashi, R.J.(1); Assis, J.M.K.(2); Neto, F.P.(2); Reis, D.A.P.(3);
14-076	18, June Development of Thermal Spray System of Ceramic Powder - using plasma torch of long arc Roberson José da Silva (Brazil) (1) ITA; Da Silva, R.J.(1); Rita, C.C.P.(1); Maciel, H.S.(1); Petraconi Filho, G.(1);	14-087	19, June Ablative properties of ZrB ₂ -based ceramic materials tested in a hypersonic plasma wind tunnel Cristian Cley Parteniani Rita (Brasil) (1) ITA/FATEC; (2) ITA; (3) IAE; (4) UNESP; Rita, C.C.P.(1); Campos, T.M.B.(2); Caliar, F.R.(2); Rocha, R.M.(
14-077	18, June Ceramic Covering of SiO ₂ by Using a Long Arc Thermal Plasma Torch Roberson José da Silva (Brazil) (1) ITA; Da Silva, R.J.(1); Rita, C.C.P.(1); Maciel, H.S.(1); Petraconi Filho, G.(1);	14-088	20, June Hypersonic plasma wind tunnel testing of ceramic composite based on ZrB ₂ -SiC Cristian Cley Parteniani Rita (Brasil) (1) ITA/FATEC; (2) ITA; (3) IAE; (4) UNESP; Rita, C.C.P.(1); Miranda, F.S.(2); Rocha, R.M.(3); Campos, T.M.B.(2); Essiptchouk,

14-089	18, June Microstructure characteristics of EB-PVD perovskite thermal barrier coatings Bogdan S.Vasile (Romênia) (1) PU; (2) UPB; (3) UP; (4) IMNR; Vasile, B.(1); Surdu, V.A.(2); Birca, A.(1); Vasile, O.(1); Andronescu, E.(1); Trusca, R.(3); Piticescu,
14-090	19, June Investigation of the ablation process of ZrB ₂ -SiC materials by mass spectrometry Cristian Cley Parteniani Rita (Brasil) (1) ITA/FATEC; (2) ITA; (3) IAE; (4) UNESP; Rita, C.C.P.(1); Miranda, F.S.(2); Da Silva, R.J.(2); Rocha, R.M.(3); Essiptcho
14-091	20, June Graphene oxide and multi walled carbon nanotubes introduced in AL ₂ O ₃ -SiC-SiO ₂ -C refractory castable used in blast furnace trough: effects on rheology and high-temperature properties Norval Rodrigues de Oliveira Jr (Brazil) (1) rhimagnesita; (2)
14-095	19, June Cadastro João Mesquita (Brazil) (1) JM; Mesquita, J.(1);
14-096	20, June The hole of silica fume as a solid dispersant for multi-walled carbon nanotubes in calcium aluminate cement based refractory castable Norval Rodrigues de Oliveira Jr (Brazil) (1) rhimagnesita; (2) PUC Minas; (3) CDTN; Oliveira Jr, N.R.(1); Fernandes, M.R.F.(2); Furtado, C.(3); Ribeiro, F.A.(3); Brito, M.A.(1); Dutra, P.(3); Santos, A.P.(3);

Symposium P:
New trends in silicate and clay-based ceramics

Wilson Acchar

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Günter Motz / Samuel Bernard

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	11-030	Oral		13-010	Poster		04-037	Poster
Akhtar, F.	13-040	Invited	Alvarez Roca, R.	13-007	Poster		04-038	Poster
Albers, A.P.F.	11-008	Poster		08-066	Poster	Ancelmo, L.	09-078	Poster
Albino, F.T.	16-052	Poster	Alvarez Roca, R.	12-021	Poster		09-079	Poster
Albino, M.	08-141	Invited	Alve	06-083	Poster	Andrade Neto, J.S.	04-024	Poster
Albuquerque, D.M.	04-024	Poster		06-083	Poster		04-025	Poster
	04-025	Poster	Alves, A.A.	17-045	Poster		04-031	Oral
				17-045	Poster		04-032	Poster
			Alves, A.K.	06-053	Poster		04-035	Poster
				06-056	Poster		04-036	Oral
				06-085	Poster		04-037	Poster
				08-024	Poster		04-038	Poster
				09-017	Poster	Andrade, A.B.	12-023	Poster
				13-013	Poster			
			Alves, D.F.	16-016	Poster	Andrade, D.L.	04-051	Poster
				16-025	Poster		04-052	Poster
						Andrade, F.A.	06-231	Poster

Andrade, G.F.	02-020	Poster	Aquino, F.M.	13-007	Poster	Auzoux-bordenave, S.	02-056	Invited
Andrade, R.C.	08-153	Poster		13-008	Poster	Avancini, T.G.	08-024	Poster
	17-016	Poster		13-009	Poster		08-155	Poster
Andrades, R.C.	06-031	Poster	Aragones, A.	03-035	Poster	Avelar, M.G.	04-011	Poster
Andreeta, M.R.B.	10-013	Poster	Arai, N.	17-035	Invited	Azais, T.	02-056	Invited
	10-033	Poster	Arango, E.	06-184	Oral	Azevedo, A.G.	04-091	Poster
	11-023	Poster	Arantes, V.L.	06-088	Poster	Azevedo, A.R.G.	04-051	Poster
Andreoli, M.	06-212	Poster		12-009	Poster		04-052	Poster
Andrés, J.	09-069	Poster		12-010	Poster		04-070	Poster
Andronescu, E.	14-089	Poster		17-048	Oral		07-024	Poster
Aneziris, C.	09-034	Oral	Arata, A.	02-066	Poster		09-001	Poster
	09-094	Oral		02-067	Poster		09-097	Poster
	14-003	Invited	Araújo De Lima, C.A.	09-006	Poster		13-002	Poster
	14-015	Oral	Araújo, A.J.M.	06-140	Poster		16-053	Poster
	14-017	Oral	Araújo, E.B.	08-149	Invited	Azevedo, T.F.	13-011	Poster
	14-056	Oral		08-157	Poster		13-014	Poster
Angélic	16-038	Poster	Araujo, H.E.	06-220	Oral		13-020	Poster
Angélica, R.S.	17-065	Oral	Araújo, I.N.	16-017	Poster	B		
Angélico, R.A.	14-024	Invited	Araújo, M.E.B.	16-027	Poster	Babisk, M.P.	11-033	Poster
	14-046	Oral	Araujo, M.S.	10-053	Poster		16-059	Poster
	14-070	Poster		10-055	Poster		16-060	Poster
	14-072	Invited	Araujo, R.G.	11-024	Poster	Babonneau, F.	18-004	Invited
Angelin, A.F.	09-037	Poster		09-057	Poster	Bacha, M.G.	07-037	Oral
	09-043	Poster	Araujo, R.M.E.	02-011	Poster	Baesso	08-121	Poster
Angioletto, E.	06-017	Poster		02-054	Poster	Baesso, M.L.	17-022	Oral
Angulski Da Luz, C.	04-063	Poster	Araújo, T.R.	17-066	Oral	Baibich, M.N.	13-022	Poster
Ansar, S.	06-229	Invited	Arcaro, S.	08-024	Poster	Baino, F.	02-016	Invited
Antalek, J.	14-041	Invited		13-013	Poster		02-017	Oral
Antonelli, E.	08-099	Oral		17-072	Poster		02-028	Oral
	08-117	Poster	Ardit, M.	16-007	Invited	Bakshi, A.	14-041	Invited
Antônio, P.L.	10-013	Poster	Aristizábal Valencia, M.E.	08-113	Poster	Balani, V.	11-031	Poster
Antunes	10-014	Poster		06-165	Poster		11-032	Poster
Antunes, E.G.P.	09-035	Oral	Arnemman, E.R.	14-086	Poster	Baldan, M.	17-070	Oral
Antunes, M.C.	08-006	Poster	Assis, J.M.K.	02-047	Poster	Baldin, C.R.B.	04-063	Poster
Antunes, M.L.P.	04-019	Poster		02-048	Poster		16-068	Poster
	06-068	Poster	Assis, M.	09-069	Poster	Baldykowski, G.L.	06-090	Poster
Apolônio, T.G.	06-006	Poster	Athayde, D.D.	17-087	Oral	Balestrat, M.	18-042	Oral
Apostolos, R.C.R.	02-020	Poster		17-089	Poster	Balestrin, F.	09-073	Poster

Balthazar, G.P.	06-070	Poster	Basov, S.	08-141	Invited	13-013	Poster	
	06-214	Oral	Bastos Andrade	06-031	Poster	13-022	Poster	
Bandeira, C.M.	04-099	Poster	Bastos Andrade, C.G.	16-041	Poster	16-016	Poster	
Barberi, J.	02-028	Oral	Batista, F.	12-059	Poster	Bermejo, R.	03-033	Invited
Barbosa Neto, M.C.	11-022	Poster	Batista, H.A.	02-011	Poster		09-109	Oral
Barbosa, A.C.	16-071	Poster		02-054	Poster	Bernard, S.	17-077	Oral
	16-072	Poster	Batista, R.P.	04-021	Oral		18-004	Invited
Barbosa, L.	03-012	Poster	Battiston, S.	18-022	Oral		18-007	Oral
Barbosa, M.S.	06-046	Poster		18-023	Poster		18-008	Poster
	16-063	Poster	Bauchy, M.	10-001	Oral		18-009	Poster
Barbosa, R.C.	02-037	Poster		10-079	Invited		18-022	Oral
Barbosa, V.A.S.	09-030	Oral	Baudin, C.	02-036	Invited		18-023	Poster
	09-032	Oral		09-055	Poster		18-042	Oral
Barbugli, P.A.	02-048	Poster		14-010	Invited		18-045	Oral
Barg, S.	03-051	Invited	Baumann, S.	06-181	Invited		18-048	Invited
	17-040	Invited		06-181	Invited		18-053	Oral
Barga, L.	09-052	Poster	Bautista, J.E.Q.	10-045	Oral	Bernardes, A.A.	12-022	Poster
	16-021	Poster	Bazzo, E.	17-060	Oral		12-022	Poster
Bargardi, F.	03-040	Invited		17-060	Oral	Bernardes, J.C.	17-031	Poster
Bari, A.	02-034	Oral	Beccari, R.	13-059	Invited	Bernardi, J.C.	12-060	Poster
Barnum, R.	11-030	Oral	Bechgaard, T.	10-079	Invited	Bernardin, A.M.	04-105	Poster
Barolin, S.	08-112	Poster		10-079	Invited		09-035	Oral
Barosso, G.	18-054	Invited	Becker Da Silva, D.A.	09-061	Poster	Bernardo, F.S.	11-034	Oral
Barreto, G.	16-060	Poster	Bell, R.	11-017	Oral	Bernardo, H.M.	04-044	Poster
Barreto, M.E.V.	02-083	Poster	Bellucci, F.S.	08-097	Poster		04-049	Oral
Barrioni, B.R.	02-064	Poster	Benavente, E.	16-033	Poster	Bernardo, M.P.	05-003	Poster
Barros, F.O.	16-063	Poster	Beneduce, F.	11-016	Poster	Berti, L.F.	17-060	Oral
Barros, M.D.	09-124	Oral	Benites, V.M.	05-005	Oral	Bertoldi, C.	07-005	Oral
	09-125	Poster	Benitez, T.	09-124	Oral	Berton, M.A.	06-036	Poster
Barros, R.A.	14-025	Poster	Benmore, C.	10-029	Invited		06-058	Poster
Bartolomé, J.F.	13-042	Invited	Bento, G.S.	04-020	Poster	Bertotto, R.C.T.	17-051	Poster
Bartolomei, S.S.	03-018	Poster		04-065	Poster	Besnard, C.	12-018	Oral
Basegio, T.M.	04-095	Poster	Bento, R.T.	06-019	Poster	Bessa, G.P.	10-041	Poster
	06-094	Poster		06-106	Poster	Bessa, V.L.	08-136	Poster
	06-141	Poster	Bergmann, C.P.	06-053	Poster	Betal, S.	08-159	Poster
Basilio, E.E.	11-025	Oral		06-056	Poster	Betancourt, S.	16-069	Poster
				06-085	Poster		16-070	Oral
				09-017	Poster	Betancurt, M.	16-069	Poster
				09-018	Poster	Betke, U.	17-049	Oral
				12-007	Poster	Béttega, R.	14-065	Poster

Bezerra Junior, A.G.	02-037	Poster	Bonhomme, C.	02-006	Oral	Bourret, J.	13-016	Oral
Bezerra, A.P.	04-094	Poster	Boni	08-030	Poster	Bouville, F.	03-039	Invited
Bezerra, A.V.A.	18-022	Oral	Bonini, R.P.	08-090	Poster		03-052	Invited
	18-023	Poster	Boratto, M.H.	08-088	Poster	Bowman, R.	07-009	Invited
Bhalla, A.	08-108	Poster		08-089	Oral	Braga, P.C.	11-016	Poster
	08-159	Poster	Borba Jr, J.	04-011	Poster	Braga	18-024	Poster
Bianchi, A.L.	04-084	Poster		04-084	Poster	Bragança, S.R.	12-007	Poster
Bianchini, S.S.	16-040	Oral	Borcezi, J.S.	06-093	Poster	Brasil, M.D.	04-101	Poster
Bienia, M.	13-016	Oral	Bordes, M.	13-012	Invited	Brasile	04-042	Poster
Bignozzi, M.C.	16-026	Oral	Bordia, R.K.	12-031	Invited	Brasileiro, C.T.	09-115	Poster
Bigoni, D.	14-005	Invited	Borges, M.F.	08-050	Poster		16-043	Poster
Bigotto, S.M.	04-023	Poster		08-067	Poster	Brasileiro, G.C.P.	04-040	Poster
Bini, R.	03-010	Poster	Borges, P.R.	04-021	Oral		04-048	Poster
Bini, R.D.	06-054	Oral	Borges, R.	02-072	Poster	Brasileiro, I.O.	06-118	Poster
Binner, J.	14-002	Invited		02-073	Poster	Braulio, M.	14-021	Invited
Birca, A.	14-089	Poster		02-078	Poster	Braun, M.	14-034	Invited
Bispo, I.S.	04-020	Poster		02-091	Oral	Bray, D.	14-041	Invited
Bister, G.	14-054	Invited	Borlaf, M.	13-023	Poster	Brennan, R.	12-014	Oral
Blaese, D.	09-124	Oral	Borra, R.C.	02-047	Poster	Bressiani, A.H.A.	17-080	Oral
Blair, V.	12-014	Oral	Borrell, A.	13-049	Poster	Bressiani, J.	17-080	Oral
	12-029	Oral	Borsato, A.F.	06-090	Poster	Briois, V.	06-030	Oral
Boaventura, A.L.	08-099	Oral	Bortoletto-santos, R.	05-013	Poster	Brioude, A.	18-055	Oral
Boccaccini, A.	17-015	Invited	Bortolozzo, P.H.	04-043	Poster	Brit	13-057	Poster
	08-022	Oral	Bortolozzo, P.H.	04-045	Poster	Brito, B.M.	16-045	Poster
Bócoli, P.F.J.	11-005	Poster	Boschi, A.O.	16-004	Oral	Brito, M.A.	14-096	Poster
Boenigk, W.	14-034	Invited		16-005	Poster	Brito, R.	06-142	Poster
Boidi, G.	09-045	Oral	Boschilia Junior, R.	08-099	Oral	Brodnikovskiy, D.	06-160	Oral
Bokov, A.	09-029	Invited		08-117	Poster	Brodnikovskiy, Y.	06-160	Oral
Bolaños Rivera, J.	18-028	Poster	Bosia, F.	03-041	Invited	Brow, R.	10-031	Invited
Bonadia, P.	14-040	Invited	Botero, E.	08-012	Oral	Brunatto, M.L.	09-060	Poster
Bonadio, T.G.M.	02-065	Poster		17-016	Poster	Buchner, S.	10-046	Poster
	03-013	Poster	Botero, E.R.	08-013	Poster		10-064	Poster
	03-014	Poster		08-116	Poster	Bucko, M.	14-058	Poster
	08-019	Oral		08-153	Poster			
	17-022	Oral	Boumahdi, N.	14-039	Invited			

Bunjaku, A.	13-015	Oral	Câmara, M.F.	04-087	Poster	Capraro, B.	08-022	Oral
Burato, J.A.	03-013	Poster	Camaratta, R.	03-019	Poster	Car	07-023	Poster
	03-014	Poster		06-127	Poster	Cardoso, A.L.F.	08-126	Poster
Buriti, B.M.A.B.	16-027	Poster	Camargo, G.	13-032	Poster	Cardoso, A.V.	13-026	Poster
Buriti, J.S.	02-083	Poster	Camargo, J.	04-063	Poster	Cardoso, F.A.	04-054	Oral
Buscaglia, M.	08-049	Poster	Camargo, S.M.	04-015	Poster		04-075	Oral
Buscaglia, M.T.	08-048	Oral	Camargo, W.F.	09-060	Poster	Cardoso, J.	13-015	Oral
Buscaglia, V.	08-048	Oral	Cambier, F.	01-016	Invited	Cardoso, M.	02-038	Poster
	08-049	Poster		14-054	Invited	Cardoso, M.J.B.	02-037	Poster
			Camerucci, M.A.	03-021	Poster		02-046	Poster
C				18-028	Poster	Cardoso, S.	13-060	Invited
Cabodi, I.	14-039	Invited	Caminata, L.P.	08-045	Poster	Cardoso	02-039	Poster
Cabral Da Silva, S.L.	14-028	Invited	Campos, J.V.	12-016	Poster	Carmo, F.F.	08-148	Poster
Cabral, A.A.	10-043	Poster	Campos, L.A.	06-128	Poster	Carnaúba, T.M.G.V.	12-037	Poster
Cabral, K.C.	04-041	Poster	Campos, L.F.A.	06-140	Poster	Carnelli, D.	03-052	Invited
Cabral-albuquerque, E.M.	05-005	Oral		16-006	Poster	Carnicer, V.	13-045	Invited
Cabrelon, M.D.	16-017	Poster	Campos, L.Q.B.	02-050	Poster	Carraro, C.G.	04-086	Poster
Cacciotti, I.	02-070	Invited		09-049	Poster		04-089	Poster
Caetano, A.L.A.	06-164	Poster	Campos, M.F.	03-016	Poster	Carreiro, M.E.A.	06-006	Poster
Caetano, B.L.	06-030	Oral	Campos, M.G.G.	14-046	Oral	Carrodegua, R.G.	02-039	Poster
Cairo, C.A.A.	13-055	Poster		14-070	Poster	Cartaxo, J.M.	16-027	Poster
Cajero-juarez, M.	13-033	Oral	Campos, T.M.B.	14-087	Poster	Carvajal, E.E.	10-040	Poster
Cal	10-013	Poster		14-088	Poster		10-052	Poster
Calambas, D.S.	06-184	Oral	Cancellieri, I.C.	08-156	Poster		10-077	Oral
Caldeira, B.S.	08-105	Poster	Candian, J.	09-041	Poster	Carvajal, I.	16-069	Poster
Caldeira, H.S.	06-133	Poster	Candido, J.V.	12-057	Poster	Carvalho, C.	08-100	Poster
Caldeira, L.	17-064	Poster	Cano, A.	06-065	Poster	Carvalho, C.G.	06-083	Poster
Calderó	08-104	Poster	Canteras, F.B.	09-091	Poster	Carvalho, D.L.A.	07-023	Poster
Caliari, F.R.	14-087	Poster	Canto, R.B.	09-118	Oral	Carvalho, F.E.	08-039	Poster
Caliman, L.B.	09-012	Oral		14-037	Invited		08-041	Oral
	12-012	Poster	Canu, G.	14-072	Invited	Carvalho, F.M.S.	02-012	Poster
	12-022	Poster	Cao, C.	08-048	Oral		14-032	Poster
Callahan, J.	07-039	Invited		12-050	Oral	Carvalho, K.T.	05-008	Poster
	09-123	Poster	Capeloto, O.	06-102	Poster			
			Capetta, R.F.C.	08-116	Poster			

Carvalho, K.T.G.	05-010	Poster	Cerqueira, N.A.	04-051	Poster	Chimanski, A.	09-063	Poster
	05-012	Poster		04-052	Poster		09-099	Poster
Carvalho, L.E.O.	04-065	Poster		04-070	Poster	Chinelatto, A.L.	06-087	Poster
Carvalho, T.C.	16-036	Poster	Certuche-arenas, C.S.	09-001	Poster		06-090	Poster
	16-038	Poster		03-021	Poster		06-093	Poster
Carvalho, T.M.	10-080	Poster	Ces	02-062	Poster		06-134	Poster
Caseiro, A.	08-056	Poster	Cesar, P.F.	02-069	Poster		06-139	Poster
Cassaignon, D.	06-208	Oral	Cesarino, E.M.	06-070	Poster		12-016	Poster
Cassaignon, S.	13-048	Oral		06-215	Poster	Chinelatto, A.S.A.	14-045	Poster
Cassanjes, F.C.	10-018	Poster	Cesario, M.	06-080	Poster		12-016	Poster
Cassar, D.R.	10-025	Poster	Cezar, J.C.	08-125	Oral		06-087	Poster
Cassar, D.R.	10-041	Poster	Cezario, I.C.	17-031	Poster		06-093	Poster
Castaño Castrillón, H.D.	07-031	Poster	Cha, H.	08-085	Oral		06-134	Oral
Castro Junior, M.C.	08-067	Poster	Chagas, D.C.	11-031	Poster		06-134	Poster
Castro Máximo Bi	03-011	Poster	Chagas, E.	08-153	Poster		06-139	Poster
Castro Máximo Bicalho, S.M.	02-023	Oral		17-016	Poster		14-045	Poster
Castro, A.J.N.	08-139	Poster	Chaleix, V.	13-016	Oral	Christofoletti, S.R.	17-057	Poster
Castro, J.A.	17-046	Poster	Chalon, D.	02-059	Poster		16-011	Poster
	17-047	Poster	Chami, J.R.S.	17-024	Poster		16-029	Poster
Castro, M.	08-023	Poster	Chaparro, A.L.	09-089	Poster	Chumbimuni Torres, K.	05-016	Invited
	08-059	Poster	Chaput, C.	06-229	Invited	Chung, U.	08-141	Invited
	08-063	Poster	Chartier, T.	13-016	Oral	Cilla, M.S.	04-037	Poster
Castro, R.H.R.	07-003	Invited	Chavarría, C.	08-141	Invited		04-038	Poster
	09-029	Invited	Chaves, F.P.	09-052	Poster		17-012	Invited
	12-047	Oral		16-021	Poster	Cincotto, M.A.	04-044	Poster
Cava, S.	06-020	Poster	Chelouah, N.	09-100	Poster		04-049	Oral
	06-163	Oral	Chen, W.	10-068	Invited	Ciomaga, C.	08-049	Poster
Cavalcante, A.S.G.	04-011	Poster	Chen, X.	08-004	Invited		08-051	Oral
Cavalcante, C.T.D.	04-094	Poster		08-083	Oral		08-053	Poster
Cavalcanti Da Silva, J.E.	12-037	Poster	Chevalier, J.	14-062	Invited		08-055	Poster
Ce De Andrade Pinto, J.	01-061	Oral		03-037	Invited	Cipreste, M.F.	02-015	Poster
Cebollero, J.	13-039	Invited	Chevallier, G.	12-019	Oral		06-145	Poster
Cedillos-barraza, O.	14-018	Invited	Chiesa, M.	10-036	Poster	Cirino, J.A.	06-145	Poster
Cernea, M.	08-046	Oral	Chim	09-047	Poster	Claudino, M.F.	12-048	Poster
	08-047	Oral					12-053	Poster

Comarin, P.	08-118	Oral	Costa, D.L.	06-111	Poster	Cunha, M.R.	02-089	Poster
Combes, C.	02-006	Oral		06-143	Poster	Cunha, R.R.R.	04-099	Poster
Comerio, L.	04-084	Poster	Costa, K.M.	12-037	Poster	Cuppari, M.G.V.	09-080	Poster
Conceição, L.	06-036	Poster	Costa, L.M.	17-008	Poster	Curecheriu, L.	08-048	Oral
	06-058	Poster		17-009	Poster		08-049	Poster
Conconi, M.S.	09-039	Poster	Costa, M.	06-061	Oral		08-051	Oral
Consoni, L.	14-003	Invited	Costa, M.F.	06-176	Poster		08-053	Poster
Conte, S.	16-007	Invited	Costa, R.B.	16-042	Poster		08-055	Poster
Conti, G.T.	02-030	Poster	Costa, L.F.	06-054	Oral	Curto, H.	01-016	Invited
Contin, A.	12-048	Poster		08-010	Poster			
	12-053	Poster	Cótica, L.F.	08-020	Poster			
Contreras-garcía, M.E.	02-075	Oral		08-065	Poster			
	13-033	Oral	Couillaud, S.	08-070	Poster			
Corat, E.	12-053	Poster		12-018	Oral	Da Conceição, A.R.	09-030	Oral
Cordeiro, G.L.	02-062	Poster	Courtois, C.	06-092	Poster		09-032	Oral
	06-166	Poster	Coutinho, R.B.	12-009	Poster	Da Costa, A.R.	06-047	Poster
Corr	08-038	Poster	Crauss, C.	04-095	Poster	Da Costa, R.	08-086	Poster
Corrêa Queiróz Mendonça, O.A.	08-013	Poster	Crawshaw, C.	06-229	Invited	Da Costa, T.P.	02-095	Poster
Correa, B.	04-090	Poster	Cretin, M.	18-042	Oral	Da Cruz, C.	09-004	Poster
Correa, M.A.	02-042	Poster	Crisan, D.	08-160	Poster	Da Cruz, C.M.	03-001	Poster
	08-025	Poster		08-160	Poster		04-003	Poster
Corrêa, M.T.	05-015	Poster	Crisan, M.	08-160	Poster	Da Luz, A.	14-003	Invited
Correa, O.V.	06-019	Poster	Crovace, M.	02-096	Invited	Da Luz, C.A.	04-028	Poster
	06-106	Poster	Crovace, M.C.	11-022	Poster		04-043	Poster
Corrêa, T.A.	02-057	Poster	Cruciani, G.	16-007	Invited		04-045	Poster
Correr, W.R.	06-156	Poster	Cruz, C.	16-007	Invited	Da Luz, D.S.	03-007	Poster
Cosent	17-082	Poster	Cruz, C.	10-008	Poster		03-009	Poster
Costa E Silva, D.L.	10-053	Poster	Cruz, C.M.	03-002	Poster		09-036	Poster
Costa Júnior, E.S.	03-027	Poster		04-002	Poster	Da Luz, P.T.S.	13-050	Poster
Costa, A.C.F.M.	02-011	Poster	Cruz, N.C.	06-068	Poster	Da Rocha, C.O.	16-063	Poster
	02-054	Poster	Cruz, R.C.D.	04-067	Poster	Da Silva	08-039	Poster
	08-092	Poster		09-060	Poster	Da Silva, A.L.	09-067	Oral
Costa, A.C.S.	02-042	Poster		10-061	Poster	Da Silva, C.F.	09-122	Poster
	08-025	Poster	Cuccato, R.	13-029	Poster	Da Silva, C.T.A.	17-043	Poster
	08-038	Poster		16-022	Oral	Da Silva, D.M.	18-008	Poster
	12-020	Poster	Cuer, R.F.	06-170	Poster	Da Silva, E.L.	17-070	Oral
Costa, C.	09-032	Oral	Cuña, A.	17-070	Oral	Da Silva, F.S.	03-016	Poster
			Cunha, E.S.	04-007	Poster		06-051	Poster

D

Da Conceição, A.R.	09-030	Oral
	09-032	Oral
Da Costa, A.R.	06-047	Poster
Da Costa, R.	08-086	Poster
Da Costa, T.P.	02-095	Poster
Da Cruz, C.	09-004	Poster
Da Cruz, C.M.	03-001	Poster
	04-003	Poster
Da Luz, A.	14-003	Invited
Da Luz, C.A.	04-028	Poster
	04-043	Poster
	04-045	Poster
	04-068	Poster
Da Luz, D.S.	03-007	Poster
	03-009	Poster
	09-036	Poster
Da Luz, P.T.S.	13-050	Poster
Da Rocha, C.O.	16-063	Poster
Da Silva	08-039	Poster
Da Silva, A.L.	09-067	Oral
Da Silva, C.F.	09-122	Poster
Da Silva, C.T.A.	17-043	Poster
Da Silva, D.M.	18-008	Poster
Da Silva, E.L.	17-070	Oral
Da Silva, F.S.	03-016	Poster
	06-051	Poster

Da Silva, G.T.S.T.	05-008	Poster	Dantas, A.	01-019	Poster	De Foggi, C.C.	02-047	Poster
	05-011	Poster	Dantas, A.C.S.	09-038	Poster		02-048	Poster
	05-012	Poster	Dantas, D.	07-005	Oral		09-069	Poster
Da Silva, H.C.	16-052	Poster	Dantas, N.O.	02-077	Poster	De Los Santos	02-077	Poster
Da Silva, I.B.	13-008	Poster		10-057	Poster	De Los Santos Guerra, J.	08-093	Poster
	13-009	Poster	Dantas, S.L.A.	06-151	Poster		08-094	Poster
	13-010	Poster	Dantas, V.B.	12-003	Poster		08-157	Poster
Da Silva, L.	10-080	Poster		12-004	Poster		08-158	Poster
	17-046	Poster	Daudt, N.F.	06-165	Poster		08-159	Poster
	17-047	Poster	Dawson, M.	06-185	Poster	De Meo, C.E.	14-057	Invited
Da Silva, M.	12-041	Poster	De Abreu, F.C.	12-037	Poster		14-065	Poster
Da Silva, M.R.	08-041	Oral	De Abreu, P.T.P.	08-123	Oral	De Moraes, E.G.	17-024	Poster
	08-043	Poster	De Albuquerque, L.T.	09-101	Oral		17-026	Poster
	08-061	Poster	De Almeida, F.T.T.	06-072	Poster	De Morais, E.M.	03-002	Poster
Da Silva, P.C.	09-053	Poster	De Andrade, H.D.	08-003	Poster	De Oliveira, R.M.P.	12-012	Poster
Da Silva, R.J.	14-076	Poster	De Araújo, C.B.	10-045	Oral	De Oliveira, V.S.G.	12-034	Poster
	14-077	Poster	De Araújo, D.R.	02-089	Poster	De Oliveira	05-011	Poster
	14-090	Poster	De Azeredo, G.A.	09-115	Poster	De Paulo, P.H.	06-108	Oral
Da Silva, R.M.	17-072	Poster	De Bastiani, D.	14-016	Oral	De Queiroz, A.P.	02-072	Poster
Da Silva, R.T.	07-004	Poster	De Camargo, A.	06-061	Oral	De Rossi, A.	04-092	Poster
Da Silva, S.R.	06-125	Poster		10-040	Poster		04-098	Poster
	06-126	Poster	De Camargo, E.F.	10-077	Oral	De Rossi, W.	12-054	Poster
Da Silva, V.C.	16-014	Poster	De Campos, J.B.	02-004	Poster	De Sá, A.B.	04-019	Poster
Da Silva, V.S.	06-054	Oral		02-005	Poster	De Sá, M.A.	03-028	Poster
Da Silva, W.M.	02-015	Poster	De Campos, M.F.	06-051	Poster	De Santana, V.S.	04-065	Poster
Da Trindad	09-044	Poster	De Campos, V.P.P.	04-093	Invited	De Santana, Y.V.B.	13-030	Poster
Dabbas, F.	01-074	Poster	De Carvalho, G.A.	17-057	Poster	De Siqueira, L.	02-079	Poster
D'agostini, M.D.	11-025	Oral	De Castro	12-054	Poster	De Siqueira, L.E.C.	09-080	Poster
Daiko, Y.	17-019	Invited	De Castro, A.G.N.	04-020	Poster	De So	02-067	Poster
Dalcanal, P.R.	09-073	Poster	De Castro, M.F.	06-108	Oral	De Sousa, A.A.	03-009	Poster
Dall'antonia, L.H.	18-047	Poster	De Farias, D.S.U.	16-056	Poster	De Sousa, V.	06-173	Poster
Dalla Valentina, L.V.O.	06-047	Poster	De Florio, D.Z.	06-161	Poster	De Souza Just, L.	10-014	Poster
	11-013	Poster		06-170	Poster	De Souza, C.P.	09-072	Poster
Damasceno, L.S.	16-042	Poster		06-172	Poster	De Souza, D.J.	04-066	Poster
Damm, D.D.	12-053	Poster					04-069	Poster
D'angio, A.	14-002	Invited						

De Souza, M.L.	10-080	Poster	Dillon, S.	09-029	Invited	Dos Santos, M.F.	14-046	Oral
Dechandt, I.J.	09-066	Poster	Diniz, M.A.	18-052	Poster		14-070	Poster
	10-010	Poster	Djurado, E.	06-049	Oral		14-072	Invited
Dehurtevent, M.	01-016	Invited		13-017	Poster	Dos Santos, P.M.	17-072	Poster
Deibert, W.	06-181	Invited	Do Mar, I.c.	13-011	Poster	Dos Santos, S.F.	06-070	Poster
Del Campo, L.	10-011	Oral	Do Nascimento, W.J.	12-025	Poster		06-215	Poster
Del Curto, B.	07-005	Oral	Dobrovodsky, J.	09-016	Oral	Dos Santos, W.F.	13-013	Poster
Del Duque, D.	05-015	Poster	Doerenkamp, C.	06-061	Oral	Dos Santos	04-095	Poster
Del Rio, A.G.	16-039	Poster		10-077	Oral	Doumalin, P.	14-051	Oral
Del Roveri, C.	16-042	Poster	Dolabella, A.A.	16-012	Poster	Dragan, N.	08-160	Poster
	03-002	Poster		17-089	Poster	Drechsel, C.	18-015	Invited
	04-002	Poster	Dom	12-058	Poster	Du, J.	02-006	Oral
	04-103	Poster	Domingos, B.S.M.	09-122	Poster	Du, P.	08-017	Poster
	09-004	Poster	Domingos, G.H.S.	06-078	Poster	Duailibi Fh., J.	01-060	Oral
	16-025	Poster	Domingu	09-104	Poster	Duarte, J.B.	06-057	Poster
	16-055	Poster	Domingues, M.	16-070	Oral	Duarte, L.N.	04-084	Poster
Delaqua, G.C.G.	06-132	Poster	Dominguez-rodriguez, A.	14-001	Invited	Dudczig, S.	14-056	Oral
	06-159	Poster	Dondi, M.	16-007	Invited	Dudek, K.	02-059	Poster
	06-206	Poster		16-026	Oral		17-052	Oral
	06-207	Poster	Dong, S.	14-062	Invited	Dulski, M.	02-059	Poster
	16-060	Poster	Donoso, J.P.	10-036	Poster		17-052	Oral
Delboni Jr., H.	11-018	Invited		10-040	Poster	Dupont, V.	14-054	Invited
D'elia, E.	03-037	Invited		10-052	Poster	Dupre, J.	14-051	Oral
Dellen, C.	06-018	Invited	Dorneles, L.S.	06-165	Poster	Duque, D.M.S.	05-002	Oral
Delvasto, S.	06-184	Oral	Dos Reis, M.A.	14-031	Poster		05-014	Poster
Denardin, J.C.	06-165	Poster	Dos Santos Silva, I.D.	06-164	Poster	Durazzo, M.	13-059	Invited
Derby, B.	03-051	Invited	Dos Santos, A.P.	04-047	Poster	Durrant, S.F.	04-019	Poster
Di Lello, B.C.	02-004	Poster	Dos Santos, J.M.C.	09-092	Poster	Durupthy, O.	06-208	Oral
Di Loreto, A.	08-082	Poster		03-015	Poster		13-048	Oral
Dias, A.J.N.	06-133	Poster	Dos Santos, J.R.D.	09-037	Poster	Dusza, J.	09-028	Invited
Dias, B.C.	17-089	Poster		06-104	Poster	Dutra, P.	14-096	Poster
Dias, G.S.	06-054	Oral	Dos Santos, K.W.	17-013	Poster	Dutra, R.P.S.	06-140	Poster
	08-009	Poster	Dos Santos, M.B.	03-009	Poster		06-164	Poster
	08-010	Poster				Dutta, M.	08-159	Poster
	08-019	Oral						
	08-020	Poster						
	08-027	Oral						
	08-068	Poster						
	08-070	Poster						
Dick, T.	06-173	Poster						

Dvilis, E.
09-095 Oral
09-096 Invited
Dyer, S.A.S.
12-049 Poster
Dyer, S.A.S.
12-053 Poster

E

Eckert, H.
06-061 Oral
06-176 Poster
10-040 Poster
10-077 Oral
Edmondson, S.
03-051 Invited
Ehrt, D.
11-021 Oral
Eilaghi, M.
11-015 Oral
Eiras, J.A.
08-009 Poster
08-010 Poster
08-027 Oral
08-030 Poster
08-042 Oral
08-090 Poster
08-113 Poster
08-120 Poster
08-122 Poster
08-123 Oral
08-130 Poster
08-138 Oral
08-154 Poster
12-021 Poster
12-025 Poster
12-052 Invited
El Banna, W.R.
09-044 Poster
El Younsi, I.
13-016 Oral
Eleutério, R.V.
04-104 Oral
Elias, R.C.R.
04-011 Poster
04-084 Poster
Elissalde, C.
08-141 Invited
Em
09-120 Poster
Emílio, R.
04-089 Poster
06-033 Poster
Engel, E.
02-095 Poster
Erau, J.
14-054 Invited
Erhardt, C.S.
16-024 Poster
Es
04-070 Poster

Escote, M.T.
04-100 Poster
08-091 Poster
12-060 Poster
Escremin, J.V.
09-015 Poster
Esper, F.J.
03-018 Poster
Esper
04-101 Poster
Esposito, V.
06-229 Invited
06-230 Oral
06-239 Oral
Essiptcho
14-090 Poster
Essiptchouk
14-088 Poster
Estorari, L.F.B.
06-011 Poster
Estournès, C.
12-019 Oral
Estrada, F.R.
08-125 Oral
Eunice De Souza, D.E.
03-045 Poster
Evangelista, N.S.
17-033 Poster

F

Faber, K.
13-019 Invited
17-035 Invited
Fabris, D.C.N.
11-020 Poster
Façanha, M.X.
08-148 Poster
Faga, M.G.
02-017 Oral
Fagury Neto, E.
16-071 Poster
16-072 Poster
Fahrenheit, W.
14-020 Invited
Falcao, E.A.
08-116 Poster
08-121 Poster
08-153 Poster
17-016 Poster
Falk, G.S.
13-023 Poster
17-058 Oral
Faller, R.
09-029 Invited
Falsetti, P.H.E.
05-002 Oral
Fan, X.
14-075 Oral
Fares, H.
10-045 Oral
10-052 Poster

Faria, F.P.
06-011 Poster
06-032 Poster
Farias, K.A.S.
02-037 Poster
02-038 Poster
02-039 Poster
02-046 Poster
Farias, R.M.C.
06-112 Poster
Fattakhova-rohlfing, D.
06-018 Invited
Favaro, M.T.O.
06-087 Poster
Faverão, B.N.
07-008 Poster
17-043 Poster
Fecht, H.
08-143 Poster
Felisberto, R.
06-141 Poster
Feng, L.
09-029 Invited
Ferlat, G.P.J.
10-051 Invited
Ferlauto, A.S.
06-029 Oral
06-077 Oral
06-204 Poster
Fernandes, F.F.
04-012 Poster
Fernandes, M.
01-016 Invited
Fernandes, M.C.S.
04-097 Poster
Fernandes, M.R.F.
14-096 Poster
Fernandes, R.G.
10-078 Poster
Ferraço, F.
09-004 Poster
16-005 Poster
Ferrari, C.
11-003 Invited
Ferrari, J.R.
13-005 Poster
Ferraro, C.
03-037 Invited
Ferrei
06-145 Poster
Ferreira, A.M.
06-029 Oral
Ferreira, C.A.
06-164 Poster
Ferreira, C.N.
13-047 Poster
Ferreira, D.C.
05-010 Poster
Ferreira, E.A.
10-080 Poster

Ferreira, E.B.	06-176	Poster	Fiore, G.	12-019	Oral	Frare, A.	04-028	Poster
	07-037	Oral	Fiorilli, S.	02-034	Oral	Frattini, A.	08-082	Poster
	10-067	Poster	Fiume, E.	02-016	Invited	Fredel, M.C.	01-061	Oral
	10-070	Poster	Fleischman, Z.	12-029	Oral		03-035	Poster
Ferreira, E.J.	06-120	Poster	Florenco, O.	04-089	Poster		09-125	Poster
Ferreira, G.A.	02-015	Poster	Florez, A.O.	09-089	Poster		13-004	Poster
Ferreira, H.C.	06-006	Poster	Florian, P.	10-068	Invited	Fredericci, C.	11-029	Poster
	16-014	Poster	Fokin, V.M.	10-067	Poster		12-041	Poster
Ferreira, H.S.	06-164	Poster	Fokin, V.M.	10-081	Oral		12-045	Poster
	09-115	Poster	Folgueras, M.V.	06-047	Poster	Frederiksen, K.F.	10-001	Oral
	16-043	Poster	Fonseca, F.C.	06-161	Poster	Freitas, B.X.	02-049	Poster
Ferreira, I.S.	02-050	Poster		06-232	Oral	Freitas, D.R.	09-006	Poster
	09-049	Poster		06-239	Oral		09-010	Poster
Ferreira, L.L.H.C.	14-031	Poster	Fonseca, J.C.	10-070	Poster	Freitas, F.G.	17-030	Poster
Ferreira, L.M.	02-091	Oral	Fonseca, M.O.	04-023	Poster	Freitas, F.G.C.	04-041	Poster
	02-093	Poster	Fonsêca, N.J.M.	06-057	Poster	Freitas, G.	16-041	Poster
Ferreira, L.S.	06-104	Poster	Fonseca, R.S.P.	08-067	Poster	Freitas, L.S.	11-008	Poster
	08-057	Poster	Fook, M.V.	02-037	Poster	Freitas, V.F.	02-065	Poster
Ferreira, R.A.S.	09-101	Oral		02-083	Poster		03-013	Poster
	09-116	Poster	Forero, C.R.	06-184	Oral		08-019	Oral
Ferreira, T.L.B.	06-178	Poster	Fortes, B.A.	17-046	Poster		08-028	Poster
Ferreira, T.S.	14-032	Poster		17-047	Poster		17-022	Oral
Fey, T.	13-019	Invited	Foucaud, S.	18-048	Invited	Freudenberger, P.	10-031	Invited
Fialho, R.L.	05-005	Oral	Franchetti, M.G.S.	06-036	Poster	Fróis, M.R.	09-052	Poster
Fieback, T.	09-094	Oral		06-058	Poster	Frolow, P.K.	11-014	Invited
Figueira, B.A.M.	13-011	Poster	Franchin, G.	17-020	Oral	Fruhstorfer, J.	09-094	Oral
	13-014	Poster	Francin, G.	18-018	Oral		14-015	Oral
	13-020	Poster	Francis, A.	11-017	Oral	Fry, A.	12-014	Oral
	13-050	Poster	Francisco, J.T.M.	09-007	Poster		12-029	Oral
Figueredo, G.	06-095	Poster	Francisco, L.	06-156	Poster	Füglein, E.	16-051	Invited
Figueredo, R.O.	04-099	Poster	Franco, D.F.	10-052	Poster	Fujimoto, T.G.	06-226	Poster
Filgueira, M.	12-002	Poster		10-078	Poster	Fulgêncio, E.B.G.A.	06-128	Poster
Filgueira, M.	14-025	Poster	Francy, O.	14-039	Invited		06-135	Poster
	14-026	Poster	Frankberg, E.	07-019	Invited	Fungaro, D.A.	13-058	Invited
Filho, F.M.	03-008	Poster				Furtado, C.	14-096	Poster
	06-120	Poster				Furtat, P.P.	18-006	Poster
Filho, M.S.	04-094	Poster						
Finsterbusch, M.	06-018	Invited						

G**Gachet-barbosa, L.A.**

09-041 *Poster*
 09-043 *Poster*
 09-091 *Poster*
 09-092 *Poster*

Gadioli, M.C.B.

06-223 *Poster*

Gaiotto, F.J.

08-029 *Poster*

Gajek, M.

16-031 *Poster*

Galassi, C.

08-127 *Invited*

Galliano, P.

14-059 *Poster*

Gallo, L.S.

10-022 *Poster*

Galusek, D.

18-054 *Invited*

Galuskova, D.

18-054 *Invited*

Gama, A.M.

08-006 *Poster*

Gama, L.

06-015 *Poster*

Gamba, M.

06-066 *Poster*

Ganea, P.

08-109 *Oral*

Gao, L.

06-023 *Poster*

Gao, T.

08-004 *Invited*

Garbacz, H.

09-064 *Oral*

Garc

08-105 *Poster*

Garcia Rocha, V.

03-037 *Invited*

Garcia, A.P.

06-094 *Poster*

Garcia, D.

08-009 *Poster*

08-010 *Poster*

08-012 *Oral*

08-027 *Oral*

08-030 *Poster*

08-042 *Oral*

08-095 *Poster*

08-108 *Poster*

08-113 *Poster*

08-138 *Oral*

08-140 *Poster*

12-025 *Poster*

Garcia, D.E.

16-052 *Poster*

Garcia, L.A.

08-156 *Poster*

12-024 *Poster*

Garcia, I.M.

06-178 *Poster*

Garcia, R.H.L.

09-108 *Poster*

Garnier, V.

18-040 *Oral*

Gastelois, P.L.

02-024 *Oral*

Gautier Di Confiengo, G.

02-017 *Oral*

Geffroy, P.

13-016 *Oral*

Gelbmann, G.

14-040 *Invited*

Gelfuso, M.V.

06-070 *Poster*

06-072 *Poster*

06-134 *Poster*

06-214 *Oral*

Gennari, R.C.

08-123 *Oral*

Gennequin, C.

06-080 *Poster*

Genova, L.A.

06-212 *Poster*

09-107 *Poster*

11-024 *Poster*

Genova, L.A.

17-082 *Poster*

Geraldo, A.B.C.

17-082 *Poster*

Gervais, C.

02-006 *Oral*

18-004 *Invited*

Gharzouni, A.

04-016 *Poster*

Ghosh, A.

10-028 *Invited*

Ghoshal, A.

14-004 *Invited*

Ghus

02-049 *Poster*

Giacomozzi, F.I.

06-134 *Oral*

06-134 *Poster*

Giraldi, T.R.

06-028 *Poster*

06-032 *Poster*

06-078 *Poster*

Giroldo Valério, M.E.

12-023 *Poster*

Giuliani, F.

03-052 *Invited*

Gladkova, G.

07-022 *Invited*

Gleize, P.

04-105 *Poster*

Glenn, G.

06-112 *Poster*

Godinho, M.J.

06-216 *Poster*

Goel, A.

10-037 *Invited*

Goetze, P.

09-094 *Oral*

Goia, T.S.

17-080 *Oral*

Goldenstein, H.

09-084 *Oral*

Gom

03-009 *Poster*

04-052 *Poster*

Gome

12-036 *Poster*

Gomes, A.

02-065 *Poster*

Gomes, A.E.

09-092 *Poster*

Gomes, F.A.A.

09-073 *Poster*

Gomes, G.H.M.

06-029 *Oral*

06-077 *Oral*

17-039 *Oral*

Gomes, N.L.

03-017 *Poster*

09-101 *Oral*

Gomes, T.

06-142 *Poster*

Gomes, T.Q.S.

06-132 *Poster*

Gomes, U.U.

03-007 *Poster*

03-022 *Poster*

08-003 *Poster*

09-036 *Poster*

12-001 *Poster*

12-002 *Poster*

12-003 *Poster*

12-004 *Poster*

14-025 *Poster*

Gomes, V.R.

11-033 *Poster*

Gómez, M.A.

06-184 *Oral*

Gomez-garcia, D.

14-001 *Invited*

Gonçalves, A.M.

08-030 *Poster*

08-090 *Poster*

08-122 *Poster*

Gonçalves, E.P.

14-080 *Poster*

Gonçalves, E.S.

08-006 *Poster*

Gonçalves, L.G.V.

10-063 *Oral*

Gonçalves, R.G.L.

06-038 *Poster*

Gonzalez, E.R.P.

06-125 *Poster*

06-126 *Poster*

Gonzalez, G.

16-033 *Poster*

Gonzalez, I.N. 17-013	Poster	Grottenmüller, R. 18-064	Invited	Gutiérrez-gonzález, C. 13-049	Poster
González, S.Y.G. 12-034	Poster	Grzebielucka, E. 06-090	Poster	Guzi De Moraes, E. 17-037	Invited
González-ab 08-103	Poster	Grzebielucka, E.C. 06-087	Poster	17-058	Oral
González-dávila, J.M. 16-003	Oral	06-093	Poster	Gyak, K. 01-014	Poster
Gorjan, L. 01-075	Poster	06-139	Poster		
Goryczka, T. 02-059	Poster	Guaglianoni, W.C. 06-094	Poster		
Gotardo, R.A.M. 08-065	Poster	09-065	Poster		
08-066	Poster	Gualdi 08-086	Poster	Habraken, A. 11-009	Oral
Goulart, F. 06-036	Poster	Gualdi, A.J. 08-108	Poster	Hamm, J.S. 06-069	Poster
Goulart, M.A. 04-070	Poster	08-138	Oral	Han, J. 10-027	Invited
07-024	Poster	Guede 02-012	Poster	Han, W. 18-019	Poster
Gouvêa Júnior, J. 16-055	Poster	Guedes-silva, C.C. 04-088	Oral	Hanasiro, A.M. 02-072	Poster
Gouvêa, D. 09-012	Oral	14-032	Poster	Hao, W. 18-055	Oral
09-067	Oral	Gueguen, E. 14-028	Invited	Hasegawa, M. 09-106	Oral
12-012	Poster	Guillon, O. 06-018	Invited	Hashimoto, S. 17-019	Invited
12-022	Poster	06-181	Invited	Hautcoeur, D. 07-019	Invited
12-047	Oral	12-050	Oral	Hayasaka, T. 06-148	Oral
Gozalbo, A. 06-004	Oral	Guimarães Castro, C. 02-071	Poster	Hayase, G. 17-067	Oral
Gozzo, C.B. 06-203	Poster	Guimarães Gabriel, A.H. 14-003	Invited	Henriques, B.P. 01-073	Poster
Grabenhorst, J. 14-015	Oral	Guimarães, G.G.F. 05-013	Poster	13-004	Poster
Graça, M.L.A. 13-055	Poster	05-003	Poster	Hernandes, A.C. 08-094	Poster
Gralik, G. 08-001	Poster	Guimarães, J.M. 13-004	Poster	Hernandes, L. 17-022	Oral
Grasso, S. 14-018	Invited	Guimarães, K.L. 12-022	Poster	Hernández Buitrago, L.J. 06-217	Poster
Grazia, M.T. 04-076	Poster	Guimarães, P.V. 08-020	Poster	Hernandez, L. 06-229	Invited
Greaves, N. 10-068	Invited	Guimarães, R.S. 14-025	Poster	Hernandez, M.F. 09-055	Poster
Grillo, K.F. 04-002	Poster	14-026	Poster	Hidalgo, J.C. 06-065	Poster
04-003	Poster	Guisard Restivo, T.A. 13-059	Invited	Hidalgo, M.P. 06-083	Poster
04-103	Poster	Gunnewi 08-119	Poster	06-142	Poster
Grillo, R.F. 03-002	Poster	Gunnewiek, R.F.K. 08-072	Poster	13-057	Poster
04-002	Poster	08-126	Poster	Hidelbrando, E.A. 16-036	Poster
Grillo, R.H.F. 03-001	Poster	08-156	Poster	Higa, O.Z. 02-012	Poster
04-003	Poster	10-018	Poster	02-025	Poster
04-103	Poster	Günster, J. 01-072	Oral		
Grilo, J. 06-104	Poster	Guo, R. 08-159	Poster		
08-057	Poster	Gurgel, D.P. 08-003	Poster		
Grilo, J.P.F. 06-103	Poster	Gutiérrez, S. 02-023	Oral		
06-140	Poster				
Gross, U. 09-094	Oral				

H

Hill, K.
14-028 *Invited*

Hillman, W.
14-002 *Invited*

Hnatko, M.
09-028 *Invited*

Hneda, M.L.
02-013 *Poster*

Ho
04-098 *Poster*

Höche, T.
10-035 *Oral*
10-062 *Oral*

Holanda, J.N.F.
02-057 *Poster*

Honda, S.
17-019 *Invited*

Hong, J.
06-016 *Oral*
17-005 *Oral*

Honkanen, M.
13-024 *Oral*

Hoppe Filho, J.
04-069 *Poster*

Hornez, J.
01-016 *Invited*

Hotza, D.
01-061 *Oral*
01-063 *Poster*
01-074 *Poster*
04-104 *Oral*
09-124 *Oral*
09-125 *Poster*
12-034 *Poster*
16-052 *Poster*
17-060 *Oral*
18-007 *Oral*
18-008 *Poster*
18-009 *Poster*
18-023 *Poster*
18-027 *Invited*

Houmard, M.
17-079 *Poster*

Hu, Y.
10-079 *Invited*

Huang, X.
14-093 *Invited*

Huang, Z.
09-019 *Poster*

Hubáľková, J.
14-056 *Oral*

Huger, M.
14-051 *Oral*
14-068 *Invited*

Humphry-baker, S.
14-008 *Invited*

Hyvärinen, L.
13-024 *Oral*

I

Ianculescu, A.
08-046 *Oral*
08-047 *Oral*
08-109 *Oral*
08-160 *Poster*

Iasi, C.
14-018 *Invited*

Iastrenski, M.F.
18-047 *Poster*

Ideyama, R.H.
08-118 *Oral*

Iijima, M.
09-083 *Invited*

Imhoff, L.
08-112 *Poster*

Imoto, Y.
09-083 *Invited*

Inocente, J.M.
06-013 *Poster*

Ionescu, E.
18-006 *Poster*
18-063 *Invited*

Ispas, S.
10-056 *Invited*

Ivanova, M.
06-181 *Invited*

Iwamoto, Y.
17-019 *Invited*

J

Jacobsen, S.
04-068 *Poster*

Jafelicci Junior, M.
02-095 *Poster*

Jaime, S.B.M.
11-005 *Poster*

Jansen, H.
14-011 *Invited*

Janssen, R.
09-124 *Oral*
09-125 *Poster*

Jantunen, H.M.
08-151 *Invited*

Januário, I.B.C.
02-013 *Poster*

Januchta, K.
10-001 *Oral*
10-002 *Invited*

Jardim, V.R.
12-049 *Poster*

Jasionowski, R.
09-054 *Oral*

Jayaseelan, D.D.
14-018 *Invited*

Jelitto, H.
09-124 *Oral*

Jeon, J.
08-085 *Oral*

Jesus, M.A.M.L.
06-029 *Oral*
06-077 *Oral*

Jikihara, A.N.
09-013 *Poster*

Jimenez, K.R.C.P.
08-120 *Poster*

Jin, X.
14-075 *Oral*

Jiusti, J.
10-033 *Poster*

John, V.M.
04-054 *Oral*
04-075 *Oral*

Johnson, E.
05-016 *Invited*

Jones, J.R.
02-064 *Poster*
10-076 *Invited*

Jorge, F.B.
04-017 *Poster*

Joshi, N.
06-148 *Oral*

Jouglard, D.
10-011 *Oral*

Journet, C.
18-040 *Oral*
18-055 *Oral*

Jubb, G.
14-006 *Invited*

Junio De Portugal, R.
08-159 *Poster*

Junior, V.A.S.
09-014 *Poster*
09-015 *Poster*

Junior, V.R.
05-001 *Oral*

Junior, W.D.M.
08-064 *Poster*
08-074 *Poster*

Júnior, W.S.S.
04-020 *Poster*

K

Kabatova, M.
09-016 *Oral*

Kai, K.C.
02-089 *Poster*

Kan, Y.
14-062 *Invited*

Kargozar, S.
02-016 *Invited*

Karimi, M.M.	12-001	Poster	Kob, W.	10-056	Invited	Kütemeyer, M.	14-007	Invited
	12-002	Poster	Kobayashi, H.	11-017	Oral	Kuzyakin, S.	07-022	Invited
	14-025	Poster	Koch, D.	14-007	Invited			
Kashyap, S.	14-078	Invited	Kocic, L.	08-142	Invited	L		
	14-079	Poster		08-143	Poster	La	06-225	Poster
Kašiarová, M.	09-028	Invited		13-056	Poster	Labat Marcos, R.	17-070	Oral
Kato, K.	06-016	Oral	Kocjan, A.	07-019	Invited	Labbe, N.	05-016	Invited
Kato, T.	09-106	Oral		12-040	Oral	Labrincha, J.A.	04-098	Poster
Kawamura, G.	17-015	Invited	Koga, R.H.	05-015	Poster	Laguna-bercerero, M.	13-039	Invited
Kawashima, N.	09-106	Oral	Kohara, S.	10-034	Oral	Lahoz, R.	13-039	Invited
Kellogg, F.	12-014	Oral	Konegger, T.	18-015	Invited	Laia, A.G.	03-028	Poster
Khamidy, N.I.	06-049	Oral	Kornecki, M.	12-014	Oral	Lale, A.	18-053	Oral
Khasanov, O.	09-095	Oral	Koval'íková, A.	09-028	Invited	Lanfredi, A.J.C.	12-060	Poster
	09-096	Invited	Kozuka, H.	18-014	Invited	Lanfredi, S.	06-125	Poster
Khelifi, I.	14-051	Oral	Kracker, M.	10-035	Oral		08-069	Poster
Khodakov, A.	17-051	Poster		10-062	Oral		08-097	Poster
Khomchanka, U.	08-002	Poster	Krann, M.L.	04-095	Poster		13-017	Poster
Kilczewski, S.	12-029	Oral	Kretschmer, L.C.	04-045	Poster	Lang, R.	08-123	Oral
Kim, D.	01-014	Poster	Król, M.	06-168	Poster	Lara, L.R.S.	08-044	Oral
Kim, E.	08-075	Invited		06-171	Poster	Lardot, V.	14-054	Invited
Kiminami, R.H.G.A.	06-216	Poster	Kroll, P.	10-019	Oral	Larrea, A.	13-039	Invited
	08-045	Poster		14-071	Invited	Lasgorceix, M.	07-019	Invited
	08-056	Poster	Kruger, A.	18-029	Invited	Laurencin, D.	02-006	Oral
	08-119	Poster		18-030	Oral	Laurent, P.	17-029	Invited
	08-126	Poster	Kruk, A.	10-037	Invited	Laux, S.	11-017	Oral
	08-138	Oral		06-155	Oral	Lavado, C.	08-081	Invited
	12-025	Poster	Krzywda, P.	06-179	Oral	Laven, J.	11-009	Oral
	12-028	Oral	Kubo, A.M.	02-047	Poster	Lazar, D.R.R.	02-062	Poster
Kimura, T.	01-048	Poster		02-048	Poster		02-066	Poster
Kirchheim, A.	04-078	Poster	Kulbieda, F.R.	10-046	Poster		02-067	Poster
Kitaoka, S.	09-106	Oral		09-034	Oral		02-069	Poster
Kiyataka, P.H.M.	11-005	Poster	Kuna, M.	08-109	Oral		06-166	Poster
Klabunde, S.	16-012	Poster	Kuncser, V.	06-211	Oral	Lazovic, G.	08-142	Invited
Klein, A.N.	18-011	Oral	Kundu, S.	17-035	Invited		13-056	Poster
Klich, M.	09-016	Oral	Kuo, T.C.	06-227	Invited	Lazzaretti, I.	04-063	Poster
Knopf, T.B.	03-035	Poster	Kusnezoff, M.				16-068	Poster

Le Ferrand, H.	03-026	<i>Invited</i>	Lenz E Silva, G.F.B.	04-093	<i>Invited</i>	Lima, M.G.	09-116	<i>Poster</i>
	03-039	<i>Invited</i>		06-217	<i>Poster</i>	Lima, M.M.	06-145	<i>Poster</i>
	03-040	<i>Invited</i>		14-083	<i>Poster</i>	Lima, N.B.	02-066	<i>Poster</i>
Le Losq, C.	10-068	<i>Invited</i>		17-070	<i>Oral</i>		02-067	<i>Poster</i>
Leal, A.R.	06-013	<i>Poster</i>	Leon, J.	12-018	<i>Oral</i>		02-069	<i>Poster</i>
Leão, M.A.	09-030	<i>Oral</i>	Leonardo, J.M.P.	08-027	<i>Oral</i>		12-054	<i>Poster</i>
	09-032	<i>Oral</i>	Lepetitcorps, Y.	12-018	<i>Oral</i>	Lima, P.	01-072	<i>Oral</i>
Leconte, Y.	06-177	<i>Oral</i>	Leriche, A.L.	01-016	<i>Invited</i>	Lima, R.G.A.	08-092	<i>Poster</i>
Lee, B.	14-001	<i>Invited</i>		06-092	<i>Poster</i>	Lima, R.H.C.	16-064	<i>Poster</i>
	14-008	<i>Invited</i>	Lesniak, M.	16-031	<i>Poster</i>	Lima, R.J.S.	02-039	<i>Poster</i>
Lee, W.E.	14-018	<i>Invited</i>	Lessmann, S.	11-009	<i>Oral</i>	Lima, T.A.R.	17-010	<i>Poster</i>
Leite, E.R.	03-050	<i>Invited</i>	Levänen, E.	13-024	<i>Oral</i>	Lima, T.C.	16-056	<i>Poster</i>
	06-196	<i>Invited</i>	Levy-santos, L.	02-077	<i>Poster</i>	Lima, V.A.D.	02-041	<i>Poster</i>
	06-201	<i>Poster</i>	Li, F.	14-093	<i>Invited</i>	Lima, Y.S.	13-047	<i>Poster</i>
	06-203	<i>Poster</i>	Li, P.	14-075	<i>Oral</i>	Lin, H.	09-022	<i>Oral</i>
	17-073	<i>Poster</i>	Li, Q.	02-063	<i>Poster</i>		14-029	<i>Invited</i>
Leite, M.L.	18-006	<i>Poster</i>	Li, X.	04-029	<i>Poster</i>	Lin, L.	06-148	<i>Oral</i>
	18-011	<i>Oral</i>	Li, Y.	18-040	<i>Oral</i>	Lins, P.G.	11-034	<i>Oral</i>
Leite, R.B.	02-011	<i>Poster</i>	Libanori, R.	03-040	<i>Invited</i>		16-049	<i>Poster</i>
	02-054	<i>Poster</i>	Lieb, A.	17-049	<i>Oral</i>	Lintz, R.	09-041	<i>Poster</i>
Leite, R.S.	06-111	<i>Poster</i>	Liefthink, D.	06-229	<i>Invited</i>	Lintz, R.C.C.	09-043	<i>Poster</i>
	06-112	<i>Poster</i>	Lima Da Silva, R.C.	06-037	<i>Poster</i>		09-091	<i>Poster</i>
	06-143	<i>Poster</i>	Lima	04-020	<i>Poster</i>		09-092	<i>Poster</i>
Leite, V.M.C.	14-080	<i>Poster</i>	Lima, A.C.A.	04-020	<i>Poster</i>	Lira, K.H.	08-069	<i>Poster</i>
Leme, D.R.	02-025	<i>Poster</i>	Lima, A.K.M.	06-139	<i>Poster</i>	Lisboa, T.S.	02-021	<i>Poster</i>
	08-021	<i>Poster</i>	Lima, A.V.B.	06-135	<i>Poster</i>	Liu, C.	10-027	<i>Invited</i>
	08-076	<i>Poster</i>	Lima, C.A.	02-092	<i>Oral</i>	Liu, G.	05-004	<i>Invited</i>
Leme, T.S.	04-061	<i>Poster</i>	Lima, E.C.	08-157	<i>Poster</i>		06-034	<i>Oral</i>
	06-121	<i>Poster</i>	Lima, F.C.C.	09-044	<i>Poster</i>		09-019	<i>Poster</i>
Lemes Rachadel, P.	04-104	<i>Oral</i>	Lima, F.M.	03-009	<i>Poster</i>	Liu, H.	06-148	<i>Oral</i>
Lemes, L.L.	08-095	<i>Poster</i>	Lima, J.V.M.	08-088	<i>Poster</i>	Liu, J.	08-004	<i>Invited</i>
Lemos, L.V.	08-039	<i>Poster</i>	Lima, L.F.	16-022	<i>Oral</i>	Liu, Q.	05-004	<i>Invited</i>
	08-041	<i>Oral</i>	Lima, L.S.	17-039	<i>Oral</i>		01-026	<i>Poster</i>
	08-092	<i>Poster</i>				Liu, R.	08-004	<i>Invited</i>
Lemos, V.V.	06-028	<i>Poster</i>				Liu, X.	08-083	<i>Oral</i>
Lences, Z.	09-028	<i>Invited</i>						
Lente, M.H.	08-123	<i>Oral</i>						
	08-130	<i>Poster</i>						
	08-154	<i>Poster</i>						

Liu, Y.	06-148	Oral	Luiz, M.N.	11-031	Poster	Machado, L.D.B.	17-082	Poster
	06-181	Invited		11-032	Poster	Machado, M.	06-232	Oral
	08-077	Invited	Lukacs, A.	08-053	Poster	Machado, M.F.S.	06-239	Oral
Lobe, S.	06-018	Invited		08-055	Poster	Machado, R.	08-082	Poster
Lofaj, F.	09-016	Oral	Luna, C.M.R.	04-097	Poster	Machado, R.A.	18-006	Poster
Lombardi, C.T.	04-091	Poster	Lupu, N.	08-053	Poster		18-007	Oral
Londoño, F.A.	08-113	Poster		08-055	Poster		18-008	Poster
	12-021	Poster	Lutosa, G.M.	06-036	Poster		18-009	Poster
Longo, E.	02-047	Poster		06-058	Poster		18-022	Oral
	06-211	Oral	Luz, A.	03-052	Invited	Machado, V. M.	02-005	Poster
	08-064	Poster	Luz, D.S.	16-071	Poster	Maciel, H.S.	14-076	Poster
	08-084	Poster		16-072	Poster		14-077	Poster
	08-105	Poster				Maciel, M.H.	04-039	Oral
	09-069	Poster					04-040	Poster
	13-030	Poster					04-042	Poster
Lope	05-008	Poster					04-048	Poster
Lopes, G.B.	04-010	Poster	M'peko, J.	08-094	Poster		04-049	Oral
Lopes, L.	06-036	Poster	Ma, H.	09-121	Invited	Madej, D.	04-050	Poster
Lopes, L.B.	02-014	Poster	Mac	06-091	Poster		04-013	Poster
Lopes, O.F.	05-010	Poster	Macedo Friess X	12-037	Poster		04-046	Poster
	05-011	Poster	Macedo	06-128	Poster		06-155	Oral
Lopes, T.S.	04-087	Poster	Macedo	06-128	Poster	Maest	06-028	Poster
Lopez Ferber, D.	18-045	Oral	Macedo, A.R.S.	09-036	Poster	Maestrelli, S.	03-002	Poster
Lorente, M.	13-012	Invited	Macedo, A.S.	03-007	Poster	Maestrelli, S.C.	03-001	Poster
Lorgouilloux, Y.	06-092	Poster	Macedo, D.A.	06-080	Poster		04-002	Poster
Lourenço, I.M.	02-091	Oral		06-104	Poster		04-003	Poster
Louzada, D.M.	13-005	Poster	Macedo, H.P.	06-140	Poster		04-103	Poster
Lu, J.	08-083	Oral		06-095	Poster		06-011	Poster
Lu, Y.	18-019	Poster	Macedo, W.A.A.	17-050	Poster		06-078	Poster
Lucas, P.	10-030	Invited		18-024	Poster		09-004	Poster
Lucas, R.	18-045	Oral	Macedo, Z.S.	12-023	Poster		16-042	Poster
	18-048	Invited		10-067	Poster	Magalhães, R.S.	16-055	Poster
Lucena, D.V.	16-063	Poster	Macena, G.S.	09-122	Poster		04-061	Poster
Luchini, B.	14-015	Oral	Machado Junior, W.A.	09-122	Poster		06-121	Poster
Lüchtenborg, J.	01-072	Oral	Machado, F.M.	06-127	Poster		06-124	Poster
Ludvig, P.	04-056	Poster		13-032	Poster		08-074	Poster
			Machado, I.F.	02-062	Poster	Maginador, R.V.	09-118	Oral
				09-045	Oral		14-037	Invited
				09-063	Poster	Maglione, M.	08-141	Invited
				09-080	Poster	Magon, C.J.	10-036	Poster
				12-041	Poster		10-052	Poster
							16-033	Poster
						Maia, R.G.	08-136	Poster
						Maia	13-050	Poster

M

Mainzer, B.	14-007	<i>Invited</i>	Marinho, G.S.	04-015	<i>Poster</i>	Matos, I.L.O.	12-023	<i>Poster</i>
Majaron, R.F.	05-001	<i>Oral</i>	Marino, C.E.B.	02-071	<i>Poster</i>	Matos, J.R.	17-082	<i>Poster</i>
Majaron, V.F.	05-001	<i>Oral</i>	Marq	06-197	<i>Poster</i>	Matsuda, A.	17-015	<i>Invited</i>
Malfatti, C.	17-070	<i>Oral</i>	Marques, A.A.	06-123	<i>Poster</i>	Matsuoka, J.	10-015	<i>Invited</i>
Malherbi, M.S.	03-010	<i>Poster</i>	Marques, R.F.C.	02-095	<i>Poster</i>	Matt, V.	16-025	<i>Poster</i>
Malki, M.	10-011	<i>Oral</i>	Martelli, S.	14-016	<i>Oral</i>	Mattos, A.	06-197	<i>Poster</i>
Mallak	06-037	<i>Poster</i>	Martin, C.	12-031	<i>Invited</i>		16-040	<i>Oral</i>
Mallik, M.	14-078	<i>Invited</i>	Martinel	04-006	<i>Poster</i>	Mattos, B.B.	05-005	<i>Oral</i>
	14-079	<i>Poster</i>	Martinelli, A.E.	04-015	<i>Poster</i>	Mattos, F.N.	17-064	<i>Poster</i>
Mallmann, M.B.	18-008	<i>Poster</i>	Martinez, E.D.R.	04-078	<i>Poster</i>	Mattos, M.N.	10-033	<i>Poster</i>
Mallmann, M.D.	18-009	<i>Poster</i>	Martinez, J.D.	16-069	<i>Poster</i>	Matzenbacher	06-165	<i>Poster</i>
Mamana, N.	06-147	<i>Poster</i>	Martínez, M.G.	06-065	<i>Poster</i>	Mauvy, F.	08-141	<i>Invited</i>
Man	10-036	<i>Poster</i>	Martínez-camejo, Y.	08-158	<i>Poster</i>	Mayen, L.	02-006	<i>Oral</i>
Manaia, E.	17-028	<i>Oral</i>	Martins, I.L.M.	06-142	<i>Poster</i>	Maykot, C.K.	17-058	<i>Oral</i>
Manarão, D.S.	02-062	<i>Poster</i>		13-057	<i>Poster</i>	Maziarz, W.	08-032	<i>Poster</i>
Mancini, M.H.	06-011	<i>Poster</i>	Martins, N.	18-011	<i>Oral</i>	Mccloy, J.	10-003	<i>Invited</i>
Manke, T.	06-020	<i>Poster</i>	Martins, R.	12-045	<i>Poster</i>		10-037	<i>Invited</i>
Mantelli, D.F.	04-043	<i>Poster</i>	Martins, S.S.	12-009	<i>Poster</i>	Mecartney, M.	12-038	<i>Invited</i>
	04-045	<i>Poster</i>	Martins, T.	03-027	<i>Poster</i>	Medeiros, M.H.F.	04-069	<i>Poster</i>
Manzani, D.	10-045	<i>Oral</i>	Martins, W.C.	09-103	<i>Poster</i>	Medeiros, R.L.	06-091	<i>Poster</i>
Marani, D.	06-239	<i>Oral</i>	Marvila, M.	13-002	<i>Poster</i>		06-095	<i>Poster</i>
Marchi, J.	02-069	<i>Poster</i>	Marvila, M.T.	04-070	<i>Poster</i>		17-050	<i>Poster</i>
	02-073	<i>Poster</i>		07-024	<i>Poster</i>		17-066	<i>Oral</i>
	02-078	<i>Poster</i>	Massaro, N.	11-031	<i>Poster</i>	Medeiros, R.L.B.A.	18-024	<i>Poster</i>
	02-082	<i>Poster</i>		11-032	<i>Poster</i>	Medeiros, V.R.R.	06-138	<i>Poster</i>
	02-089	<i>Poster</i>	Massera, J.	02-028	<i>Oral</i>	Medeiros-ribeiro, G.	06-204	<i>Poster</i>
	02-091	<i>Oral</i>	Massiot, D.	10-068	<i>Invited</i>	Medina, A.N.	08-121	<i>Poster</i>
	02-092	<i>Oral</i>	Masson, T.J.	04-086	<i>Poster</i>	Medina, M.S.	12-060	<i>Poster</i>
	02-093	<i>Poster</i>	Masteghin, J.F.V.	08-149	<i>Invited</i>	Medved, D.	09-016	<i>Oral</i>
	02-072	<i>Poster</i>	Masuno, A.	10-034	<i>Oral</i>	Megel, S.	06-227	<i>Invited</i>
Marcilio, N.R.	06-069	<i>Poster</i>	Mathias, I.	10-008	<i>Poster</i>	Melchades, F.G.	16-004	<i>Oral</i>
Maria, R.W.	04-101	<i>Poster</i>		10-016	<i>Poster</i>	Mello Castanho, S.R.	13-060	<i>Invited</i>
Mariani, B.B.	04-031	<i>Oral</i>				Mello Jr, M.M.B.	12-001	<i>Poster</i>
	04-032	<i>Poster</i>						
Marichy, C.	18-055	<i>Oral</i>						
Marie, J.	13-016	<i>Oral</i>						

Mello Júnior, M.M.B.	12-036	Poster	Menezes, R.R.	16-014	Poster	Miranda, F.S.	14-088	Poster
Mello, D.R.	02-010	Poster		16-045	Poster		14-090	Poster
Mello-castanho, S.R.	10-053	Poster	Menezes	08-067	Poster	Miranda, L.F.	04-086	Poster
	10-055	Poster	Mera, G.	18-010	Invited		04-089	Poster
Mello-castanho, S.R.H.	13-059	Invited	Meruane, V.	09-085	Oral		06-033	Poster
Melo, A.R.	06-197	Poster		09-085	Oral		09-120	Poster
	16-040	Oral	Mesquita, J.	14-095	Poster	Miranda, M.M.J.	08-140	Poster
Melo, B.S.	17-065	Oral	Mesquita, J.A.F.S.	04-040	Poster		02-069	Poster
Melo, C.A.	17-065	Oral		04-042	Poster	Miserez, A.	03-047	Invited
Melo, C.C.	09-118	Oral		04-048	Poster	Mitic, V.	08-142	Invited
Melo, D.M.A.	17-050	Poster	Messing, G.	04-049	Oral		08-143	Poster
	17-066	Oral		04-076	Poster		13-056	Poster
Melo, K.	06-135	Poster	Mestre, S.	03-033	Invited	Mitoseriu, L.	08-048	Oral
Melo, K.P.	06-128	Poster		06-004	Oral		08-051	Oral
Melo, M.A.C.	06-102	Poster	Meulenberg, W.	07-001	Poster		08-053	Poster
Melo, M.A.F.	17-066	Oral		16-003	Oral		08-160	Poster
Melo, M.F.	08-098	Poster	Meyer, M.F.	07-023	Poster	Mitoseriu	08-055	Poster
Mendes, A.P.Q.	02-082	Poster		07-030	Poster	Mitra, R.	14-078	Invited
Mendes, E.	06-017	Poster	Mezaroba, G.	11-013	Poster	Miyahara, R.Y.	02-065	Poster
	06-017	Poster		11-013	Poster		08-019	Oral
Mendes, J.O.S.	05-012	Poster	Michaelis, A.	06-180	Oral		16-054	Poster
Mendes, J.P.	09-112	Poster		06-227	Invited		17-022	Oral
	09-113	Poster	Michalik, D.	06-179	Oral	Modarresifar, F.	14-006	Invited
Mendes, K.	13-014	Poster	Micoulaut, M.	10-023	Invited	Modesto, D.A.	12-060	Poster
Mendes, T.M.	04-008	Poster	Miele, P.	18-004	Invited	Mohallem, N.D.S.	06-029	Oral
Mendez-gonzález, Y.	02-077	Poster		18-004	Invited		06-077	Oral
	08-093	Poster	Miettinen, S.	02-036	Invited		06-108	Oral
Mendonça, C.S.P.	08-043	Poster	Migliano, A.C.C.	08-039	Poster		08-044	Oral
	08-061	Poster		08-041	Oral		17-039	Oral
Mendonça, V.R.	05-002	Oral	Milak, G.B.	08-092	Poster	Moliné, M.N.	14-059	Poster
	05-014	Poster		06-197	Poster	Molisani, A.L.	09-084	Oral
	05-015	Poster		16-040	Oral	Möller, M.	17-029	Invited
Mene	06-142	Poster	Milne, J.	13-001	Invited	Monção, C.P.	04-086	Poster
Meneau, F.	06-030	Oral	Milton, F.P.	08-115	Poster		04-089	Poster
Menezes, R.A.C.	03-022	Poster		08-120	Poster	Möncke, D.	10-042	Poster
	12-036	Poster		08-138	Oral		11-021	Oral
			Mincache, A.J.	08-140	Poster	Montazerian, M.	06-063	Poster
				08-068	Poster		10-081	Oral
			Mingue	08-070	Poster		11-015	Oral
				09-069	Poster	Montedo, O.K.	04-092	Poster
			Miranda Jr., E.J.P.	03-015	Poster		06-013	Poster
				09-037	Poster			

Monteiro, F.J. 01-016	<i>Invited</i>	Moreno, R. 13-045	<i>Invited</i>	Munhoz Junior, A.H. 06-084	<i>Poster</i>
Monteiro, F.R. 12-016	<i>Poster</i>	13-049	<i>Poster</i>	Munhoz 17-006	<i>Poster</i>
Monteiro, G.A.A. 02-024	<i>Oral</i>	13-023	<i>Poster</i>	Muniz, G.H.U. 04-048	<i>Poster</i>
Monteiro, J.F. 08-118	<i>Oral</i>	Morguetto, G.F. 10-004	<i>Poster</i>	Muniz, P.S.N. 08-125	<i>Oral</i>
Monteiro, S.N. 16-053	<i>Poster</i>	Mori, T.J.A. 08-125	<i>Oral</i>	Murugan, M. 14-004	<i>Invited</i>
16-059	<i>Poster</i>	Moris, C.H. 17-030	<i>Poster</i>	Muscio, A. 11-003	<i>Invited</i>
Montesso, M. 10-036	<i>Poster</i>	Moriyama, A.L.L. 06-138	<i>Poster</i>		
Monteverde, F. 09-027	<i>Invited</i>	06-151	<i>Poster</i>		
Montini, M. 04-029	<i>Poster</i>	09-072	<i>Poster</i>		
Moraes, L.P.R. 06-232	<i>Oral</i>	Morra, E. 10-036	<i>Poster</i>	N	
06-239	<i>Oral</i>	Morúa, O.C. 02-039	<i>Poster</i>	Nagima, V.X. 09-120	<i>Poster</i>
Moraes, P.G.P. 17-032	<i>Oral</i>	02-046	<i>Poster</i>	Nakachima, P.M. 14-031	<i>Poster</i>
Moraes, R.F. 06-084	<i>Poster</i>	Mosqueira, L. 02-076	<i>Poster</i>	Nalin, M. 10-045	<i>Oral</i>
Morais, A. 06-135	<i>Poster</i>	Mosquera, D. 16-070	<i>Oral</i>	10-078	<i>Poster</i>
Morais, A.S.C. 13-047	<i>Poster</i>	Mossri, M.V.M. 04-007	<i>Poster</i>	Nandi, V.S. 06-013	<i>Poster</i>
Morais, I.G. 16-045	<i>Poster</i>	Mota, T. 17-079	<i>Poster</i>	Narayan, R. 02-058	<i>Invited</i>
Morais, J.E.V. 08-136	<i>Poster</i>	Motz, G. 18-007	<i>Oral</i>	Nardi, M.A.S. 02-078	<i>Poster</i>
08-139	<i>Poster</i>	18-011	<i>Oral</i>	Naruphontjirakul, P. 02-064	<i>Poster</i>
Morais, V.R. 02-025	<i>Poster</i>	18-045	<i>Oral</i>	Nascimento, A.L. 14-026	<i>Poster</i>
08-021	<i>Poster</i>	18-054	<i>Invited</i>	Nascimento, C.O. 05-005	<i>Oral</i>
08-052	<i>Poster</i>	Moura, C. 01-073	<i>Poster</i>	Nascimento, E.O. 10-013	<i>Poster</i>
08-076	<i>Poster</i>	Moura, E. 03-018	<i>Poster</i>	Nascimento, E.S. 12-001	<i>Poster</i>
Morales, M.A. 08-057	<i>Poster</i>	Mozgawa, W. 06-168	<i>Poster</i>	Nascimento, H.B.B.C. 06-216	<i>Poster</i>
Morata, A. 06-229	<i>Invited</i>	Muccillo, E.N.S. 06-226	<i>Poster</i>	Nascimento, J.P.C. 08-148	<i>Poster</i>
More 09-049	<i>Poster</i>	Muche, D.N. 12-047	<i>Oral</i>	Nascimento, L.C. 16-064	<i>Poster</i>
Moreira Justo, V. 10-014	<i>Poster</i>	Mücke, R. 06-181	<i>Invited</i>	Nascimento, M.L.F. 10-024	<i>Poster</i>
10-022	<i>Poster</i>	10-032	<i>Invited</i>	10-025	<i>Poster</i>
Moreira Toja, R.J. 09-040	<i>Poster</i>	12-050	<i>Oral</i>	Nascimento, R.M. 06-140	<i>Poster</i>
Moreira, L.P. 09-053	<i>Poster</i>	Mühler, T. 01-072	<i>Oral</i>	Nascimento, S. 06-133	<i>Poster</i>
Moreira, M.L. 06-020	<i>Poster</i>	Mukherjee, S. 18-018	<i>Oral</i>	Nascimento, S.F. 02-012	<i>Poster</i>
06-163	<i>Oral</i>	Muller, D. 17-031	<i>Poster</i>	Nassif, N. 02-056	<i>Invited</i>
Moreira, M.M. 09-014	<i>Poster</i>	Munaro, G. 08-118	<i>Oral</i>	Navarini, C. 04-063	<i>Poster</i>
09-015	<i>Poster</i>	Munhoz Jr, A.H. 04-086	<i>Poster</i>	16-068	<i>Poster</i>
Moreira 17-026	<i>Poster</i>	04-089	<i>Poster</i>	Navarro Lopez, L. 13-049	<i>Poster</i>
Morelli, M.R. 06-185	<i>Poster</i>	06-033	<i>Poster</i>		
		07-029	<i>Poster</i>		
		09-120	<i>Poster</i>		

Oliveira, M.P.	14-025	Poster	Ouamara, I.	04-016	Poster	Pardo, J.D.	06-184	Oral
Oliveira, M.R.	14-044	Poster	Ouba, A.K.O.	06-134	Poster	Parise, J.	10-029	Invited
Oliveira, O.G.	08-068	Poster				Parr, C.	14-049	Invited
	08-070	Poster				Parra Silva, J.	13-060	Invited
Oliveira, O.M.	04-101	Poster	P			Parra, R.	08-063	Poster
	07-029	Poster	Paccola, R.	10-070	Poster		12-030	Poster
Oliveira, P.C.	02-065	Poster	Padurariu, L.	08-049	Poster	Parreira, P.S.	18-047	Poster
Oliveira, P.E.S.	09-044	Poster		08-051	Oral	Partyka, J.	16-028	Poster
Oliveira, P.S.	04-019	Poster	Padurariu	08-055	Poster		16-031	Poster
Oliveira, R.C.	08-009	Poster		08-053	Poster	Pascual, M.J.	10-022	Poster
	08-010	Poster	Paim, B.A.	01-061	Oral	Pasiut	16-028	Poster
Oliveira, R.C.	10-057	Poster	Paiva, A.E.M.	09-010	Poster	Pasqual, J.R.	06-173	Poster
Oliveira, R.G.M.	08-139	Poster		09-057	Poster	Pateloup, V.	13-016	Oral
Oliveira, R.R.	12-054	Poster	Paiva, G.	09-058	Poster	Patnaik, A.	14-041	Invited
Oliveira, V.D.	08-043	Poster		06-028	Poster	Patzig, C.	10-035	Oral
	08-061	Poster	Paixão, J.A.	08-002	Poster	Paunovic, V.	08-142	Invited
Oliveira, V.G.	09-004	Poster	Palacios, M.D.	16-003	Oral		08-143	Poster
Oliveira, W.A.C.	04-100	Poster	Palhares, J.H.Q.	06-204	Poster		13-056	Poster
Olivier, N.C.	09-038	Poster	Pallone, E.M.J.A.	06-002	Poster	Pavan, M.	17-028	Oral
Olusegun, S.J.	08-044	Oral		06-028	Poster	Pawlik, T.	06-179	Oral
Onghero, L.	04-090	Poster	Palui, A.	10-028	Invited	Paygin, V.	09-095	Oral
Onodera, Y.	10-034	Oral	Pandolfelli, V.	02-008	Poster		09-096	Invited
Ori, G.	10-047	Invited		14-070	Poster	Paz Villegas, I.p.	16-061	Poster
Origo, F.D.	02-010	Poster	Pandolfelli, V.C.	02-009	Poster	Paz, S.A.	17-065	Oral
Oriol, S.	12-019	Oral		02-010	Poster	Peçanha, L.O.O.	06-078	Poster
Orlandi, M.O.	06-046	Poster		03-052	Invited	Pecelin, N.M.	06-172	Poster
Orlik, K.	06-092	Poster		14-003	Invited	Pedroti, L.G.	16-053	Poster
Ortega, F.S.	11-028	Poster		14-015	Oral	Pedzich, Z.	08-032	Poster
	17-084	Oral		14-021	Invited		09-054	Oral
Ortiz, M.	06-066	Poster		14-024	Invited	Peijs, T.	03-037	Invited
Ortmann, L.	13-003	Oral		14-030	Oral	Peitl, O.	02-096	Invited
Orts, M.	13-045	Invited		14-046	Oral		11-035	Poster
Osório, A.G.	06-127	Poster		14-046	Oral	Peláiz-barranco, A.	08-093	Poster
				14-057	Invited		08-158	Poster
				14-065	Poster			
				14-066	Invited			
				14-072	Invited			
				17-013	Poster			
			Paraguay, L.F.G.	17-017	Poster			
				17-018	Poster			
			Parchoviansky, M.	18-054	Invited			
			Pardini, L.C.	14-084	Poster			

Pelissari, P.B.G.B.	03-052	<i>Invited</i>			
	14-024	<i>Invited</i>			
	14-046	<i>Oral</i>			
	14-057	<i>Invited</i>			
	14-065	<i>Poster</i>			
	14-066	<i>Invited</i>			
	14-070	<i>Poster</i>			
Pelisser, F.	04-105	<i>Poster</i>			
Pellegrini, N.	08-112	<i>Poster</i>			
Pena, P.	02-036	<i>Invited</i>			
	09-055	<i>Poster</i>			
	14-010	<i>Invited</i>			
Pena, R. B.	10-074	<i>Poster</i>			
Pentón-madrigal, A.	08-093	<i>Poster</i>			
Perardt, M.	04-028	<i>Poster</i>			
	04-043	<i>Poster</i>			
	04-045	<i>Poster</i>			
Perdomo, C.F.	08-045	<i>Poster</i>			
	08-056	<i>Poster</i>			
	08-071	<i>Poster</i>			
	08-072	<i>Poster</i>			
	08-119	<i>Poster</i>			
	08-126	<i>Poster</i>			
	08-138	<i>Oral</i>			
	08-156	<i>Poster</i>			
	12-025	<i>Poster</i>			
	12-028	<i>Oral</i>			
Pereira Filho, J.	04-028	<i>Poster</i>			
	04-043	<i>Poster</i>			
	04-063	<i>Poster</i>			
	16-068	<i>Poster</i>			
Pereira	03-027	<i>Poster</i>			
Pereira, A.F.C.	09-038	<i>Poster</i>			
Pereira, A.L.	14-031	<i>Poster</i>			
Pereira, B.L.	06-173	<i>Poster</i>			
Pereira, C.I.	14-030	<i>Oral</i>			
Pereira, D.C.	04-085	<i>Poster</i>			
Pereira, G.J.	12-047	<i>Oral</i>			
	12-059	<i>Poster</i>			
Pereira, H.L.B.	04-045	<i>Poster</i>			
Pereira, I.D.S.	16-013	<i>Poster</i>			
	16-014	<i>Poster</i>			
Pereira, J.A.L.	06-033	<i>Poster</i>			
Pereira, J.F.	06-165	<i>Poster</i>			
Pereira, J.R.D.	08-029	<i>Poster</i>			
	08-121	<i>Poster</i>			
Pereira, J.S.	13-026	<i>Poster</i>			
Pereira, L.F.L.	06-051	<i>Poster</i>			
Pereira, M.A.	04-010	<i>Poster</i>			
Pereira, M.M.	04-087	<i>Poster</i>			
	02-064	<i>Poster</i>			
	02-076	<i>Poster</i>			
Pereira, M.M.L.	04-041	<i>Poster</i>			
Pereira, P.V.	07-008	<i>Poster</i>			
Pereira, T.C.M.A.	08-050	<i>Poster</i>			
	08-067	<i>Poster</i>			
Peres, A.P.S.	08-038	<i>Poster</i>			
Peres, A.P.S.	12-020	<i>Poster</i>			
Peres, R.M.	04-089	<i>Poster</i>			
	09-120	<i>Poster</i>			
	17-006	<i>Poster</i>			
Peretti, E.	02-034	<i>Oral</i>			
Pérez-herranz, V.	06-004	<i>Oral</i>			
Perin, G.H.	08-070	<i>Poster</i>			
Pessanha, D.F.	09-097	<i>Poster</i>			
Peszke, J.	17-052	<i>Oral</i>			
Pet	06-013	<i>Poster</i>			
Petit, F.	01-016	<i>Invited</i>			
	01-071	<i>Invited</i>			
Petit, I.	02-006	<i>Oral</i>			
Petraconi F, G.	14-055	<i>Invited</i>			
Petraconi Filho, G.	14-076	<i>Poster</i>			
	14-077	<i>Poster</i>			
Petridis, L.	05-016	<i>Invited</i>			
Petrikova, I.	18-054	<i>Invited</i>			
Petterl	06-144	<i>Poster</i>			
Piagentini Delpino, G.	02-073	<i>Poster</i>			
Piaia, L.	01-063	<i>Poster</i>			
Piccirillo, I.N.	07-037	<i>Oral</i>			
Picot, O.	03-037	<i>Invited</i>			
Pietrzak, E.	13-018	<i>Invited</i>			
Pileggi, R.G.	04-029	<i>Poster</i>			
	04-039	<i>Oral</i>			
	04-042	<i>Poster</i>			
	04-044	<i>Poster</i>			
	04-049	<i>Oral</i>			
	04-050	<i>Poster</i>			
	04-075	<i>Oral</i>			
	04-076	<i>Poster</i>			
Pillis, M.F.	06-019	<i>Poster</i>			
	06-106	<i>Poster</i>			
Pinatti, I.M.	08-084	<i>Poster</i>			
Pinheiro, G.K.	17-031	<i>Poster</i>			
Pinheiro, M.S.	06-083	<i>Poster</i>			
Pintilie, I.	08-047	<i>Oral</i>			
Pinto, E.N.M.G.	04-041	<i>Poster</i>			
	04-064	<i>Poster</i>			
Pinto, Y.F.L.C.	07-023	<i>Poster</i>			
	07-030	<i>Poster</i>			
Piroux, L.	08-141	<i>Invited</i>			
Piticescu	14-089	<i>Poster</i>			
Piva, J.H.	09-035	<i>Oral</i>			
Plotegher, F.	05-001	<i>Oral</i>			
Podhurska, V.	06-160	<i>Oral</i>			
Podwórny, J.	17-052	<i>Oral</i>			
Poffo, C.	04-105	<i>Poster</i>			
Poiani, A.B.	17-008	<i>Poster</i>			
	17-009	<i>Poster</i>			
Pokroy, B.	03-031	<i>Invited</i>			
Polisadova, E.	09-095	<i>Oral</i>			
	09-096	<i>Invited</i>			
Polishchuk, I.	03-032	<i>Oral</i>			
Polishko, I.	06-160	<i>Oral</i>			
Polito, W.L.	05-001	<i>Oral</i>			
Pollo, L.D.	06-069	<i>Poster</i>			

Polyana, T.A.S.	02-054	Poster	Qin, M.	06-150	Oral	Ramos, F.	06-229	Invited
Pontes, L.F.B.L.	06-205	Poster	Qiu, J.	10-007	Invited	Ramos, G.	04-105	Poster
Pop, O.	14-051	Oral	Qiu, W.	18-019	Poster	Ramos, V.S.	02-005	Poster
Porta Rambaldi, E.	06-147	Poster	Queiroga, J.	17-064	Poster	Randall, C.	12-039	Invited
Portehault, D.	06-208	Oral	Queiroz Júnior, I.S.	08-003	Poster	Rangel, E.M.	06-127	Poster
	13-048	Oral	Queiroz, C.G.R.	06-074	Poster		13-032	Poster
Porter, M.	14-002	Invited	Queiroz, D.F.	13-007	Poster	Rannabauer, S.	17-049	Oral
Potensa, B.S.	06-125	Poster		13-008	Poster	Raty, J.	10-023	Invited
	06-126	Poster		13-009	Poster	Raubach, C.W.	06-163	Oral
Poterla, M.	13-018	Invited		13-010	Poster	Rauchenecker, J.	18-015	Invited
Poveda, P.N.S.	09-108	Poster	Quinteiro, E.	11-008	Poster	Raup-pereira, F.	04-090	Poster
Pradel, A.	06-182	Oral		16-017	Poster		04-092	Poster
Prado, A.	08-023	Poster	Quirino, M.R.	06-015	Poster	Rebola, A.	08-081	Invited
	08-059	Poster	Quirino, S.	17-070	Oral	Rech, A.	06-036	Poster
Prado, U.S.	11-024	Poster				Reece, M.	03-037	Invited
	16-059	Poster				Regiani, I.	17-043	Poster
Praxedes, F.R.	06-225	Poster	R			Regis Junior, W.	04-074	Poster
	08-097	Poster	Rabelo	16-071	Poster	Reimann, I.	12-032	Invited
	13-017	Poster	Rabelo, A.A.	16-072	Poster	Reimann, T.	08-022	Oral
Praxedes, P.B.	07-021	Poster	Rachadel, P.L.	09-125	Poster	Reimbrecht, E.G.	17-060	Oral
	13-061	Poster	Radtke, C.	06-204	Poster	Reis, D.A.P.	14-086	Poster
Priebnow, A.V.	17-072	Poster	Rahbar, N.	03-036	Invited	Reis, E.A.P.	09-052	Poster
Prochaska, T.	18-015	Invited	Raimundo, D.S.	07-027	Poster		16-021	Poster
Prorok, R.	04-013	Poster		07-028	Poster	Reis, E.M.	18-022	Oral
	04-046	Poster	Rajasekaran, P.	05-016	Invited	Reis, R.M.C.V.	10-075	Poster
Pugine, S.M.P.	02-031	Poster	Raju, S.V.	12-014	Oral	Reis, S.P.	08-149	Invited
	02-082	Poster	Ramajo, L.	08-023	Poster	Rendtorff, N.M.	09-039	Poster
Pugno, N.	03-041	Invited		08-059	Poster		09-040	Poster
Pulcinelli, S.H.	04-022	Oral		08-063	Poster	Rennotte, J.	14-054	Invited
	06-030	Oral	Ramanathan, L.V.	06-052	Oral	Repette, W.L.	04-008	Poster
	17-028	Oral	Rambaldi, E.	16-026	Oral		04-090	Poster
	17-032	Oral	Rambo, C.R.	17-031	Poster	Resende, L.	10-064	Poster
Pullar, R.C.	08-041	Oral		17-060	Oral	Restrepo, S.G.	03-011	Poster
			Ramirez, B.N.	04-100	Poster			
				08-091	Poster			
			Ramos Filho, R.E.B.	06-057	Poster			

Q

Qiao, G.	06-034	Oral
Qiao, G.	09-019	Poster

Rettori, C.	02-091	Oral	Ribeiro, S.	14-044	Poster	Rodrigues Neto, J.B.	13-023	Poster
	02-093	Poster		14-061	Invited	Rodrigues, A.C.M.	06-182	Oral
Reyna, A.	10-045	Oral		17-047	Poster		07-034	Oral
Rezende, D.L.	08-052	Poster	Ribeiro, S.J.L.	10-045	Oral		10-025	Poster
Rezende, D.S.	13-014	Poster	Ribeiro, V.A.S.	08-043	Poster		10-058	Invited
Rezende, M.R.	02-018	Poster	Ribes, M.	06-182	Oral	Rodrigues, A.M.	11-019	Oral
Rezwan, K.	18-027	Invited	Riedel, R.	18-063	Invited		10-017	Poster
Rguiti, M.	06-092	Poster	Rigo, E.C.S.	02-030	Poster	Rodrigues, B.	16-039	Poster
Ri	17-046	Poster		02-031	Poster	Rodrigues, C.S.	04-017	Poster
Ribal, L.F.	02-032	Poster		02-082	Poster	Rodrigues, D.	09-068	Poster
Ribeir	05-012	Poster	Rimsza, J.	02-006	Oral		12-041	Poster
Ribeiro, C.	02-032	Poster	Rios, C.	16-070	Oral	Rodrigues, D.C.	06-209	Poster
	02-041	Poster	Rissardi, C.Z.	04-067	Poster	Rodrigues, D.S.	06-085	Poster
	05-001	Oral	Rita, C.C.P.	14-055	Invited		16-016	Poster
	05-003	Poster		14-076	Poster	Rodrigues, F.	17-029	Invited
	05-010	Poster		14-077	Poster	Rodrigues, G.F.	08-062	Poster
	06-185	Poster		14-087	Poster	Rodrigues, J.A.	04-029	Poster
Ribeiro, D.V.	04-024	Poster		14-088	Poster		14-037	Invited
	04-031	Oral	Rivas Mercu	14-090	Poster		14-066	Invited
	04-032	Poster		13-011	Poster	Rodrigues, J.E.	06-156	Poster
	04-035	Poster	Rivas Mercury, J.M.	13-014	Poster		08-086	Poster
	04-036	Oral	Robeldo, T.A.	02-047	Poster	Rodrigues, L.N.	06-239	Oral
	04-038	Poster	Rocha	16-011	Poster	Rodrigues, M.V.	06-138	Poster
Ribeiro, F.A.	14-096	Poster	Rocha, A.	07-008	Poster	Rodrigues, T.A.	05-014	Poster
Ribeiro, G.C.	17-046	Poster	Rocha, J.A.	09-014	Poster	Rodríguez Carreño, O.B.	09-085	Oral
	17-047	Poster		09-015	Poster	Rodriguez Lopez, D.A.	17-072	Poster
Ribeiro, J.O.N.	17-007	Poster	Rocha, J.V.	06-017	Poster	Rodriguez, A.L.	16-024	Poster
	17-088	Poster	Rocha, L.	11-018	Invited	Rodriguez, M.	10-020	Oral
Ribeiro, J.S.	16-040	Oral	Rocha, R.A.	07-027	Poster	Rodriguez, M.A.	02-039	Poster
Ribeiro, K.C.	10-010	Poster	Rocha, R.M.	14-055	Invited	Rodríguez, R.A.	06-065	Poster
Ribeiro, L.F.B.	18-007	Oral		14-084	Poster	Rodríguez-lopez, S.	10-022	Poster
	18-022	Oral		14-088	Poster		09-090	Poster
	18-023	Poster		14-090	Poster	Rodriguez-villarreal, O.	04-098	Poster
Ribeiro, L.S.	16-059	Poster	Rod	14-087	Poster	Rojas-ramirez, R.A.	04-039	Oral
Ribeiro, M.J.	04-092	Poster		17-072	Poster	Roldan, M.V.	06-147	Poster
	04-098	Poster	Rodas, A.C.D.	02-012	Poster	Roman, H.R.	09-035	Oral
Ribeiro, R.	09-122	Poster		02-025	Poster			
Ribeiro, R.L.	14-083	Poster	Rodr	06-178	Poster			

Romano, R.C.O.	04-040	Poster	Ruths, L.A.	16-054	Poster	Sampaio, A.	11-015	Oral
	04-029	Poster	Ryan, K.	03-051	Invited	Sampaio, D.V.	10-038	Poster
	04-039	Oral				Sampaio, J.A.	11-033	Poster
	04-042	Poster	S			Sampaio, Z.L.M.	04-015	Poster
	04-044	Poster	Sabino, S.R.F.	10-017	Poster	Sánchez, E.	07-001	Poster
	04-048	Poster	Sagrillo, V.P.D.	13-046	Oral		13-012	Invited
	04-049	Oral					13-045	Invited
	04-050	Poster	Saiz, E.	03-037	Invited	Sanchez, J.	09-089	Poster
	04-076	Poster		03-052	Invited	Sanchez, L.	04-066	Poster
Rosa, I.	08-084	Poster	Sajgalik, P.	09-028	Invited		04-074	Poster
Rosa, M.	06-230	Oral		14-043	Invited		04-076	Poster
Rosa, W.S.	08-073	Poster	Sakamo	08-064	Poster	Sánchez, M.H.	16-004	Oral
	08-138	Oral	Sakka, Y.	09-040	Poster	Sánchez-rivera, M.J.	06-004	Oral
Roschel, B.P.	04-049	Oral	Sako, E.Y.	14-046	Oral	Sandoval, M.L.	03-021	Poster
Rossi, M.V.	09-120	Poster		14-057	Invited		18-028	Poster
Rossi, V.P.	08-030	Poster		14-065	Poster	Sanguino, G.	03-013	Poster
Rossignol, S.	04-016	Poster		14-070	Poster	San-miguel, L.	14-039	Invited
	12-019	Oral	Salama, M.C.	17-084	Oral	Sant'ana Gallo, L.	10-014	Poster
Rosso, F.	06-013	Poster		18-004	Invited	Sant'ana, M.K.	06-223	Poster
Rosso, J.M.	03-013	Poster	Salameh, C.	12-016	Poster	Santacruz, F.G.	09-018	Poster
	03-014	Poster		14-045	Poster	Santana, G.L.	09-115	Poster
	08-065	Poster	Salem, R.E.P.	08-136	Poster	Santana, L.N.L.	06-006	Poster
	08-066	Poster		08-139	Poster		16-006	Poster
Roulet, F.	14-039	Invited	Sales, J.C.	08-148	Poster	Santilli, C.	17-030	Poster
Roveri	03-001	Poster		04-053	Poster	Santilli, C.V.	04-022	Oral
Roveri, C.	04-003	Poster	Salminen, T.	13-024	Oral		06-030	Oral
	06-032	Poster		01-063	Poster		17-028	Oral
	16-011	Poster	Salmoria, G.	01-074	Poster		17-032	Oral
Rubinger, R.M.	08-043	Poster		10-070	Poster	Santos Jr, A.R.	02-082	Poster
	08-061	Poster	Salomão, R.	14-080	Poster	Santos Junior, T.	14-030	Oral
Rubio, A.	17-029	Invited		17-008	Poster		14-066	Invited
Rubio, V.	14-002	Invited	Salvador, M.D.	17-048	Oral	Santos Neto, F.A.	04-062	Poster
Rubio-marcos, F.	08-023	Poster		13-049	Poster	Santos, A.P.	04-099	Poster
	08-059	Poster	Salvini, V.R.	14-024	Invited		14-096	Poster
Rubira, R.J.G.	03-045	Poster		14-030	Oral	Santos, A.R.	04-007	Poster
Ruellas, T.M.O.	06-078	Poster		14-046	Oral			
Ruiz, R.	11-030	Oral	Salvini, V.R.	14-066	Invited			
Rusilo, L.C.	16-005	Poster						
Rüssel, C.	10-035	Oral						
	10-062	Oral						

Santos, C.	02-050	Poster	Santos, P.C.O.	02-009	Poster	Schindel, L.K.	06-069	Poster
	09-049	Poster	Santos, P.H.F.	09-017	Poster	Schmalbuch, K.	17-029	Invited
	09-053	Poster	Santos, P.T.A.	02-011	Poster	Schmidt, A.	09-034	Oral
	14-026	Poster	Santos, R.	04-022	Oral	Schmidt, M.	18-004	Invited
Santos, C.J.	03-008	Poster	Santos, R.B.	05-001	Oral		18-048	Invited
Santos, C.L.	12-048	Poster	Santos, S.B.O.	08-089	Oral	Schneider, A.D.	06-165	Poster
Santos, D.S.	04-020	Poster	Santos, S.F.	09-061	Poster	Schneider, J.F.	02-072	Poster
Santos, G.G.	10-039	Poster		09-068	Poster		10-004	Poster
Santos, G.M.	03-014	Poster	Santos, T.A.	09-080	Poster	Schreiner, W.	08-102	Poster
	08-066	Poster		04-035	Poster	Schulz, T.	08-022	Oral
Santos, G.R.	16-068	Poster	Santos, T.A.	04-036	Oral	Schulze-küppers, F.	06-181	Invited
Santos, G.T.A.	06-124	Poster	Santos, V.	04-066	Poster	Schuster, G.C.	04-068	Poster
	04-061	Poster	Santos, W.J.	04-056	Poster	Sciti, D.	09-027	Invited
	06-121	Poster		04-056	Poster		14-035	Invited
Santos, I.	08-065	Poster	Santra, S.	05-016	Invited	Sciuti, V.F.	09-118	Oral
	08-009	Poster	Sanz, V.	16-003	Oral		14-072	Invited
	08-010	Poster	Saraga, F.	09-027	Invited	Scrivener, K.	04-029	Poster
Santos, I.A.	08-068	Poster	Sarker, V.	14-041	Invited	Sczancoski, J.C.	17-073	Poster
	06-054	Oral	Sartor, M.N.	06-197	Poster	Seabra, A.B.	02-078	Poster
	06-102	Poster		16-040	Oral		02-091	Oral
	08-018	Invited	Sasso, D.D.	11-028	Poster	Seifert, M.	18-011	Oral
	08-019	Oral	Sassoye, C.	02-006	Oral	Seixas, D.A.	09-068	Poster
	08-020	Poster	Saunders, T.	03-037	Invited	Semensato, L.M.S.	06-009	Poster
	08-027	Oral	Savazzini-reis, A.	13-046	Oral	Semensato, L.M.S.	06-011	Poster
	08-028	Poster	Scalvi, L.V.A.	08-088	Poster	Sena, J.N.	04-094	Poster
	08-029	Poster		08-089	Oral	Sena, M.	08-091	Poster
	08-070	Poster	Scanferla, P.	17-020	Oral	Sene, F.F.	14-055	Invited
	08-121	Poster	Scarabelot, L.T.	17-031	Poster	Senk, M.V.	10-008	Poster
	17-022	Oral		02-031	Poster		10-016	Poster
Santos, I.M.G.	06-205	Poster	Schaefler, D.A.	18-011	Oral	Serakides, R.	02-076	Poster
Santos, I.S.	08-050	Poster	Scheffler, F.	17-049	Oral	Serbena, F.	10-008	Poster
Santos, J.R.D.	06-103	Poster		17-049	Oral		10-009	Invited
	06-128	Poster	Scheffler, M.	18-021	Oral		10-010	Poster
	06-135	Poster	Schimidt, F.	10-013	Poster	Serbena, F.C.	09-066	Poster
Santos, L.A.L.	06-173	Poster					10-016	Poster
Santos, L.F.	04-061	Poster					10-022	Poster
	06-121	Poster						
	06-124	Poster						
	08-074	Poster						
Santos, M.C.	08-154	Poster						
	17-066	Oral						
Santos, M.P.	13-050	Poster						
Santos, O.C.	09-030	Oral						

Serpa, R.B.	17-031	Poster	Silva, D.G.	17-017	Poster	Silva, K.R.	16-006	Poster
Serrano, A.G.	08-099	Oral		17-018	Poster	Silva, L.B.	12-020	Poster
Setz, L.F.G.	02-041	Poster	Silva, D.L.C.	10-055	Poster	Silva, L.D.	10-017	Poster
Severo, I.P.	16-063	Poster	Silva, D.M.	03-013	Poster	Silva, L.D.C.	16-043	Poster
Severo, L.L.	06-112	Poster		03-014	Poster	Silva, L.M.	03-010	Poster
Shamary, S.	01-016	Invited		08-027	Oral	Silva, L.M.S.	06-124	Poster
Sharma, R.	06-049	Oral	Silva, D.S.	08-028	Poster	Silva, L.S.O.	04-011	Poster
Shen, Z.	12-040	Oral		08-029	Poster	Silva, M.	10-052	Poster
Shinzato, M.C.	04-088	Oral	Silva, E.B.	16-013	Poster	Silva, M.A.	18-047	Poster
Shirai, T.	06-016	Oral		16-015	Poster	Silva, M.A.S.	08-136	Poster
	17-005	Oral	Silva, E.F.S.	04-088	Oral		08-139	Poster
Sil	08-066	Poster	Silva, F.A.	04-021	Oral	Silva, M.C.L.	12-002	Poster
Siligardi, C.	11-003	Invited	Silva, F.C.	08-050	Poster	Silva, M.F.P.	08-118	Oral
Silling, S.	12-035	Invited	Silva, F.F.	13-007	Poster	Silva, M.O.	04-052	Poster
Silva Júnior, M.Q.	08-003	Poster	Silva, F.M.	09-037	Poster	Silva, M.R.	07-008	Poster
Silva Junior, R.P.	11-025	Oral		09-092	Poster	Silva, M.V.	08-128	Poster
Silva Valenzuela, M.G.	07-029	Poster		17-066	Oral	Silva, N.D.G.	09-104	Poster
	16-038	Poster	Silva, F.S.	01-073	Poster	Silva, N.F.G.	08-074	Poster
Silva	13-009	Poster		13-004	Poster	Silva, P.	04-099	Poster
Silva, A.	14-010	Invited	Silva, G.C.	17-064	Poster	Silva, P.A.S.	07-023	Poster
Silva, A.A.	09-107	Poster	Silva, G.C.T.	13-020	Poster		07-030	Poster
Silva, A.C.	10-053	Poster	Silva, G.D.	03-024	Poster	Silva, P.R.C.	18-047	Poster
	10-055	Poster	Silva, H.F.M.	12-036	Poster	Silva, P.V.A.	08-065	Poster
	13-059	Invited	Silva, I.A.	10-036	Poster	Silva, R.A.	06-231	Poster
Silva, A.C.A.	10-057	Poster		16-013	Poster	Silva, R.A.C.	04-065	Poster
Silva, A.G.	17-088	Poster		16-014	Poster	Silva, R.M.	06-103	Poster
Silva, A.P.	09-038	Poster		16-015	Poster		06-128	Poster
Silva, A.R.	04-087	Poster		16-015	Poster		06-135	Poster
Silva, A.S.	01-063	Poster		16-033	Poster	Silva, R.R.	09-072	Poster
	03-007	Poster	Silva, I.B.	16-045	Poster	Silva, R.V.	13-005	Poster
	03-009	Poster		04-006	Poster	Silva, S.A.	12-048	Poster
	03-022	Poster	Silva, I.C.F.	09-112	Poster	Silva, S.L.	07-037	Oral
	09-036	Poster		09-113	Poster	Silva, T.H.	13-004	Poster
Silva, B.F.	16-042	Poster	Silva, I.P.D.	04-041	Poster			
Silva, C.C.	04-012	Poster	Silva, J.	13-039	Invited			
			Silva, J.C.	03-024	Poster			
			Silva, J.H.	09-114	Oral			
			Silva, J.R.	06-085	Poster			
				16-016	Poster			

Silva, T.R.	06-104	Poster	Smokovych, I.	18-021	Oral	Sousa, R.C.	16-071	Poster
Silva, V.F.	09-091	Poster	Smolik, J.	09-064	Oral		16-072	Poster
Silva, V.J.	09-059	Poster	Soares, C.P.T.	08-153	Poster	Sousa, R.E.	09-057	Poster
Silva, V.R.C.	09-010	Poster		17-016	Poster		09-058	Poster
Silva, W.M.	02-020	Poster	Soares, D.F.	03-008	Poster	Sousa, R.G.	02-024	Oral
	02-024	Oral	Soares, G.B.	06-185	Poster	Sousa, W.J.	02-046	Poster
Silva, W.S.	09-114	Oral	Soares, J.C.F.	04-012	Poster	Sousa, W.J.B.	02-037	Poster
Silveira, L.	06-142	Poster	Soares, L.G.	06-053	Poster		02-039	Poster
Silveira, L.G.D.	08-070	Poster		06-056	Poster	Souto, C.R.A.	16-063	Poster
Silveira, W.	07-004	Poster	Soares, M.R.S.	06-201	Poster	Souza, A.	06-036	Poster
	07-008	Poster		06-203	Poster	Souza, A.E.	03-045	Poster
	08-031	Poster	Soares, R.P.	04-012	Poster		04-061	Poster
	17-043	Poster	Sobrados, I.	04-016	Poster		06-121	Poster
Silvestroni, L.	07-019	Invited		04-016	Poster		08-031	Poster
Simão, L.	04-092	Poster	Sodré, L.C.S.	08-050	Poster		08-064	Poster
Simba, B.G.	02-050	Poster	Solano, A.	02-066	Poster	Souza, B.L.	13-047	Poster
	09-053	Poster	Soldati, R.	16-007	Invited	Souza, C.A.	08-130	Poster
Simões, A.Z.	08-105	Poster	Solimán, M.	05-016	Invited	Souza, C.P.	06-138	Poster
Simões, T.A.	06-103	Poster	Sombra, A.S.	08-136	Poster		06-151	Poster
Simon, Q.	08-141	Invited	Sombra, A.S.B.	08-148	Poster	Souza, C.S.	04-019	Poster
Sinfrônio, F.S.	08-050	Poster	Sopicka-lizer, M.M.	06-179	Oral		06-068	Poster
Singh, A.	13-024	Oral	Sou	02-021	Poster		06-084	Poster
Singh, C.	08-110	Poster		08-074	Poster	Souza, D.	14-026	Poster
Singh, G.	18-018	Oral	Soulie, J.	02-006	Oral	Souza, D.C.	06-083	Poster
Singlard, M.	12-019	Oral	Sousa, B.M.	17-087	Oral	Souza, D.PF.	06-209	Poster
Sinnema, S.	14-064	Invited		17-089	Poster	Souza, F.H.	08-043	Poster
Siqueira, T.E.	16-068	Poster	Sousa, E.M.B.	02-013	Poster	Souza, G.B.	10-010	Poster
Sitarz, M.	16-031	Poster		02-014	Poster	Souza, G.S.	06-080	Poster
Smeacetto, F.	06-081	Invited		02-015	Poster	Souza, M.A.M.	14-084	Poster
Smedskjaer, M.M.	10-001	Oral		02-018	Poster	Souza, M.M.	03-044	Poster
	10-002	Invited	Sousa, F.	02-021	Poster		07-030	Poster
	10-079	Invited		02-022	Poster	Souza, M.T.	16-056	Poster
Smith, A.	13-016	Oral		02-024	Oral		02-096	Invited
	13-041	Invited	Sousa, F.K.A.	02-020	Poster		04-090	Poster
Smith, G.	14-008	Invited		16-013	Poster	Souza, N.E.	06-102	Poster
			Sousa, J.B.M.	16-015	Poster		08-024	Poster
				16-056	Poster	Souza, R.	07-008	Poster
			Sousa, L.L.	17-048	Oral			

Souza, R.L.G.	09-112	Poster	Suehiro, S.	01-048	Poster	Tavares, F.S.	06-123	Poster
	09-113	Poster	Suman, P.H.	06-046	Poster	Teichert, S.	08-022	Oral
Souza, V.B.	04-051	Poster	Sun, T.	08-004	Invited	Teixeira	08-031	Poster
	04-052	Poster	Sun, Z.	06-007	Invited	Teixeira, A.F.A.	06-205	Poster
	09-001	Poster		06-239	Oral	Teixeira, G.	06-206	Poster
Sparvoli, M.	08-098	Poster	Surdu, V.A.	08-109	Oral	Teixeira, G.F.	06-211	Oral
	08-118	Oral		08-160	Poster	Teixeira, G.T.	09-035	Oral
Spreitzer, M.	08-150	Invited		14-089	Poster	Teixeira, I.	09-091	Poster
	08-081	Invited	Suzuki, P.A.	02-049	Poster	Teixeira, L.B.	17-058	Oral
	08-082	Poster		18-054	Invited	Teixeira, S.R.	09-007	Poster
	08-112	Poster	Svancarek, P.	13-001	Invited		04-061	Poster
Stanciu, C.	08-046	Oral	Syed, A.	08-032	Poster		06-121	Poster
	08-047	Oral		06-019	Poster		08-064	Poster
	08-160	Poster	Szeczygielska, A.M.	06-106	Poster		16-021	Poster
Stares, S.L.	01-061	Oral				Tejerina, M.	12-030	Poster
	01-074	Poster	T			Telles, V.	13-059	Invited
Steil, M.C.	06-235	Poster	Tahara, S.	10-034	Oral	Temst, K.	08-141	Invited
	12-027	Invited	Takahashi, M.	18-014	Invited	Tenório, J.A.S.	13-059	Invited
Stepanov, S.	09-095	Oral	Takahashi, R.J.	14-086	Poster	Terra, M.	04-074	Poster
	09-096	Invited	Takahashi, T.	09-083	Invited	Tertuliano, A.J.O.	02-062	Poster
Steyer, P.	18-040	Oral	Takimi, A.S.	09-018	Poster		09-045	Oral
Stochero, N.P.	17-024	Poster	Talarico, A.B.	16-039	Poster		12-041	Poster
	17-026	Poster	Tallon, C.	03-049	Invited	Teruya, R.	02-071	Poster
Stoian, G.	08-053	Poster		14-063	Invited	Tessaro, I.C.	06-069	Poster
	08-055	Poster	Talou, M.	18-028	Poster	Tetard, L.	05-016	Invited
Storion, A.G.	06-002	Poster	Tamalonis, A.	10-029	Invited	Thieme, C.	10-035	Oral
	06-011	Poster		09-047	Poster		10-062	Oral
	06-028	Poster	Tamoto, H.T.	09-047	Poster	Thieme, K.	10-035	Oral
	06-032	Poster	Tanaka, M.	09-106	Oral		10-062	Oral
Storti, E.	14-017	Oral	Tarancón, A.	06-229	Invited	Thomazini, D.	06-070	Poster
Strecker, K.	04-091	Poster		08-072	Poster		06-072	Poster
Studart, A.	03-039	Invited	Tarley, C.R.T.	18-047	Poster		06-134	Poster
	03-040	Invited		11-017	Oral		06-214	Oral
	03-052	Invited	Tasca, A.	11-017	Oral		06-215	Poster
	17-085	Invited	Tatami, J.	09-083	Invited	Thomazini, E.F.	13-055	Poster
Suárez Moreno, V.L.	07-031	Poster	Tatarko, P.	09-028	Invited		01-016	Invited
Suárez	06-066	Poster						
Suarez, A.V.	08-071	Poster						
	08-072	Poster						
	08-119	Poster						
Suárez, G.	09-039	Poster						
	09-040	Poster						
	09-055	Poster						
	12-030	Poster						

Tian, H.	08-004	Invited	Trusca, R.	08-046	Oral	Valverde, T.M.	03-028	Poster
Tidahy, L.	06-080	Poster		08-047	Oral	Van Meerbeek, B.	09-119	Oral
Tidrow, S.	13-056	Poster		14-089	Poster	Vana, D.	09-016	Oral
Tikare, V.	12-035	Invited	Tsai, C.	06-018	Invited	Vandeperre, L.	14-008	Invited
Tinti, I.C.	13-005	Poster	Tsunaki, L.B.	10-004	Poster	Vanderlind, G.E.	16-040	Oral
Tinti, V.B.	06-161	Poster	Turcan, I.	08-053	Poster	Vanhatupa, S.	02-036	Invited
Titton, A.P.	04-067	Poster		08-055	Poster	Vardelle, M.	12-019	Oral
	10-061	Poster	U			Vargas, N.F.C.	08-123	Oral
Toffol	11-031	Poster	Uchikoshi, T.	09-040	Poster	Vargens Neto, O.C.	09-030	Oral
Toffoli, S.M.	11-032	Poster		18-014	Invited		09-032	Oral
	11-034	Oral	Uhlenbruck, S.	06-018	Invited	Vasconcel	12-048	Poster
Togashi, M.M.	08-056	Poster		06-181	Invited	Vasconcellos, L.M.R.	02-008	Poster
	08-119	Poster	Unije, U.	06-163	Oral	Vasconcelos, A.A.	13-020	Poster
	12-028	Oral	Ururi, J.L.P.	02-062	Poster		13-050	Poster
Tolkachev, O.	09-096	Invited		02-066	Poster	Vasconcelos, D.C.L.	04-010	Poster
Tomaz, A.F.	02-037	Poster	Ussui, V.	02-067	Poster		17-007	Poster
Tomba Martinez, A.G.	14-059	Poster		02-069	Poster		17-088	Poster
	14-067	Invited		12-054	Poster	Vasconcelos, G.	12-049	Poster
Tomiyama, M.	11-013	Poster	V			Vasconcelos, S.J.T.	08-148	Poster
Töpfer, J.	08-022	Oral	Vaccioli, K.	11-031	Poster	Vasconcelos, W.L.	04-010	Poster
Torrell, M.	06-229	Invited		11-032	Poster		17-017	Poster
Torres, J.A.	05-011	Poster	Vaidhyathan, B.	13-038	Invited		17-018	Poster
Torres, S.O.A.	06-214	Oral		09-073	Poster		17-045	Poster
Toury, B.	18-040	Oral	Valdameri, C.Z.	04-101	Poster		17-087	Oral
Travitzky, N.	09-124	Oral		04-101	Poster		17-088	Poster
Trichês, E.S.	02-079	Poster	Valenzuela Diaz, F.M.	14-018	Invited		17-089	Poster
	03-012	Poster		09-108	Poster	Vasile, B.	08-046	Oral
	11-008	Poster	Valenzuela, E.	14-018	Invited		08-047	Oral
Trindade, A.C.	04-021	Oral	Valenzuela-diaz	09-108	Poster		08-160	Poster
Trofimenko, N.	06-227	Invited	Valenzuela-diaz, F.R.	06-031	Poster		14-089	Poster
Trombini, V.	07-027	Poster		07-029	Poster	Vasile, O.	14-089	Poster
	09-045	Oral		09-120	Poster		14-089	Poster
	09-061	Poster		13-046	Oral	Vasyliv, B.	06-160	Oral
	09-080	Poster		16-036	Poster		06-160	Oral
Trupina, L.	08-046	Oral	Valera, T.S.	11-031	Poster	Vasylyev, O.	06-160	Oral
				11-032	Poster		06-160	Oral
				16-049	Poster	Vaucher, S.	06-016	Oral
			Valiev, D.	09-095	Oral	Ve	02-031	Poster
				09-096	Invited	Venet Zambrano, M.	08-073	Poster
						Vercik, A.	02-030	Poster

Vercik, L.C.O.	02-030	Poster	Villas Boas, M.	11-015	Oral	Webber, J.	13-029	Poster
Vergani, C.E.	02-048	Poster	Villas Boas, M.O.C.	11-020	Poster	Webber, K.	08-023	Poster
Verheijen, O.	11-009	Oral	Villicaña, E.	02-094	Oral	Weber, R.	10-029	Invited
Verné, E.	02-016	Invited	Vincent, A.	17-029	Invited	Webster, T.	02-060	Invited
	02-028	Oral	Vinci, A.	14-035	Invited	Weidler, P.G.	17-088	Poster
Vernilli, F.	06-132	Poster	Violin, K.B.	17-080	Oral	Weinand, W.R.	17-022	Oral
	06-207	Poster	Violini, M.A.	09-039	Poster	Weiss, D.S.	02-088	Poster
Viana, D.	08-115	Poster	Virginie, M.	17-051	Poster	Wermuth, T.B.	13-013	Poster
Viana, D.S.F.	08-120	Poster	Virginio, S.A.	17-082	Poster	Wermuth, T.B.	13-022	Poster
	12-021	Poster	Vitale Brovarone, C.	02-034	Oral	Westphal, F.S.	11-026	Oral
Viana, M.M.	06-077	Oral	Vitor, P.A.M.	09-017	Poster	Wetzig, T.	09-034	Oral
Viana, T.M.	04-056	Poster		12-007	Poster		14-056	Oral
Viard, A.	18-004	Invited	Vlahovic, B.	08-142	Invited	Wiebeck, H.	03-018	Poster
	18-045	Oral	Vleugels, J.	09-119	Oral		06-033	Poster
Vicentin, B.	04-068	Poster	Volkweis, L.	04-043	Poster	Wiecinska, P.	13-018	Invited
Vidal, F.W.H.	11-033	Poster		04-045	Poster	Wiecinski, P.	09-064	Oral
Vieille, B.	12-019	Oral	Volnistem, E.A.	03-013	Poster	Wieck, R.	01-060	Oral
Vieira	06-207	Poster		06-054	Oral	Wieclaw-midor, A.	09-064	Oral
Vieira, A.M.	13-050	Poster		08-009	Poster		13-018	Invited
Vieira, C.M.F.	06-132	Poster		08-010	Poster	Wilding, M.C.	10-029	Invited
	06-159	Poster		08-020	Poster		10-029	Invited
	11-033	Poster	Volu, R.M.	08-027	Oral	Wilhelm, M.	18-027	Invited
	16-059	Poster		12-048	Poster	Wilson, M.	10-029	Invited
	16-060	Poster		12-049	Poster	Windmüller, A.	06-018	Invited
Vieira, D.	02-023	Oral		12-053	Poster	Wirth, C.	01-019	Poster
	03-011	Poster	Vosika, Z.	13-056	Poster	Wlodarczyk, J.	17-052	Oral
Vieira, G.M.	06-197	Poster				Wojtyniak, M.	17-052	Oral
Vieira, G.V.	02-009	Poster				Wolff, M.P.M.	09-006	Poster
Vieira, K.P.	03-019	Poster				Wolff-fabris, F.	16-051	Invited
Vieira-coelho, A.C.	04-039	Oral				Woo Hyong, L.	05-016	Invited
	04-049	Oral				Wynn, A.	14-006	Invited
Vihinen, J.	13-024	Oral						
Vilhalv	08-013	Poster						
Vilhena, M.	09-041	Poster						
Villa, C.	16-070	Oral						

W

Wakai, F.	09-093	Invited
Walock, M.	14-004	Invited
Wan, J.Q.	05-004	Invited
Wanderlind, A.	09-035	Oral
Wang, T.	09-019	Poster
	14-075	Oral
Wang, X.	14-075	Oral

X

Xavier, G.C.		
04-070	Poster	
07-024	Poster	
13-002	Poster	
16-053	Poster	
Xavier, G.L.		
12-054	Poster	
Xin, Y.		
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17-005	Oral	
Xu, Y.		
06-230	Oral	
Xue, C.		
14-062	Invited	

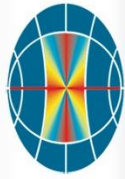
Y

Yadava, Y.		
03-017	Poster	
Yadava, Y.P.		
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09-101	Oral	
09-116	Poster	
Yahagi, T.		
09-083	Invited	
Yamada, A.		
10-015	Invited	
Yamagata, C.		
02-025	Poster	
08-021	Poster	
08-052	Poster	
08-076	Poster	
13-059	Invited	
Yan, J.		
06-034	Oral	
Yang, J.		
06-034	Oral	
Ybarra, L.C.		
09-063	Poster	
09-099	Poster	
Yildirim, C.		
10-023	Invited	
Yokoe, D.		
09-106	Oral	
Yoshida, S.		
10-015	Invited	
Yoshimura, H.N.		
09-063	Poster	
09-068	Poster	
09-084	Oral	
09-099	Poster	
09-103	Poster	
Yoshioka, S.A.		
02-023	Oral	
03-011	Poster	
Youngman, R.		
10-001	Oral	
Yu, S.		
03-046	Invited	

Z

Zabotto, F.L.		
08-030	Poster	
08-042	Oral	
08-090	Poster	
08-095	Poster	
08-108	Poster	
08-120	Poster	
08-138	Oral	
Zaccaron, A.		
06-013	Poster	
Zaghete, M.A.		
06-211	Oral	
Zaghetti, D.M.		
09-044	Poster	
Zambanini, T.		
02-072	Poster	
02-073	Poster	
02-097	Poster	
Zan		
10-041	Poster	
Zanelato, E.		
16-057	Poster	
Zanelato, E.B.		
04-070	Poster	
07-024	Poster	
Zanelli, C.		
16-007	Invited	
16-026	Oral	
Zanlorenzi, H.		
04-104	Oral	
Zanot		
11-020	Poster	
Zanott		
10-033	Poster	
Zanotto, E.D.		
02-096	Invited	
09-066	Poster	
10-009	Invited	
10-016	Poster	
10-063	Oral	
10-081	Oral	
11-015	Oral	
11-022	Poster	
Zapata-solvas, E.		
14-001	Invited	
14-018	Invited	
Zeng, Y.		
17-071	Oral	
Zezell, D.M.		
02-092	Oral	
Zhang, F.		
09-119	Oral	
Zhang, G.		
09-121	Invited	
14-093	Invited	
Zhang, P.		
06-022	Poster	
Zhang, S.		
09-029	Invited	
Zhang, X.		
09-019	Poster	

Zhang, Z.		
10-056	Invited	
Zhao, I.		
06-021	Poster	
Zhao, T.		
18-019	Poster	
Zhao, X.		
10-027	Invited	
Zhitomirsky, I.		
13-001	Invited	
Zhou, H.		
14-062	Invited	
Zhou, Z.		
10-068	Invited	
Ziabka, M.		
09-054	Oral	
Zielke, H.		
09-034	Oral	
Zielke, P.		
06-230	Oral	
Zocca, A.		
01-072	Oral	
Zoli, L.		
09-027	Invited	
Zorzi, J.E.		
13-029	Poster	
Zou, J.		
09-121	Invited	
Zubko, M.		
17-052	Oral	
Zuo, F.		
09-022	Oral	
Zuriaga, E.		
13-012	Invited	



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Sistemas de microscopia de superfície

Componentes para análise de superfície

HORIBA

Mass Flow Control (gases e líquidos)

Vaporizadores

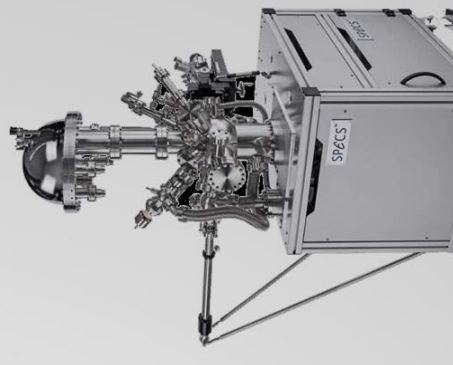
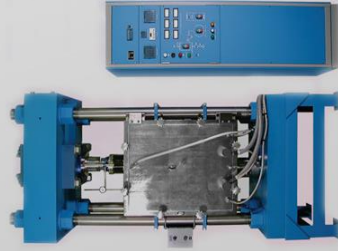
Analizador de gás residual (RGA)

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sputtering, evaporação térmica, PLD

Plasma Etching, ALD





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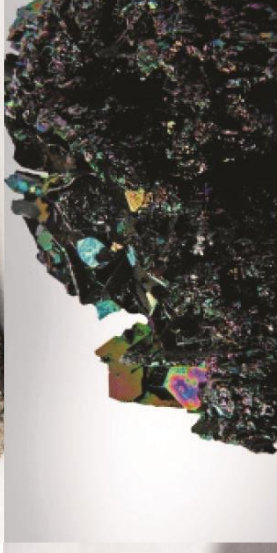
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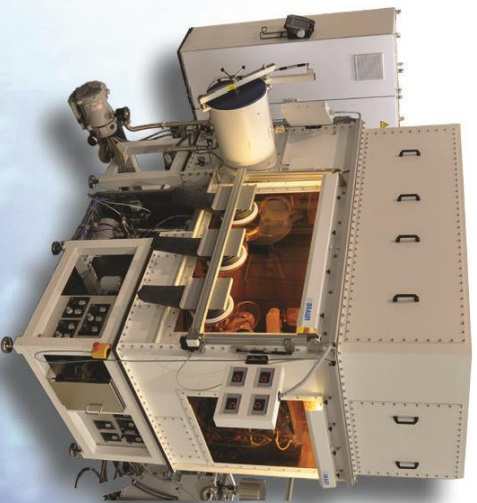
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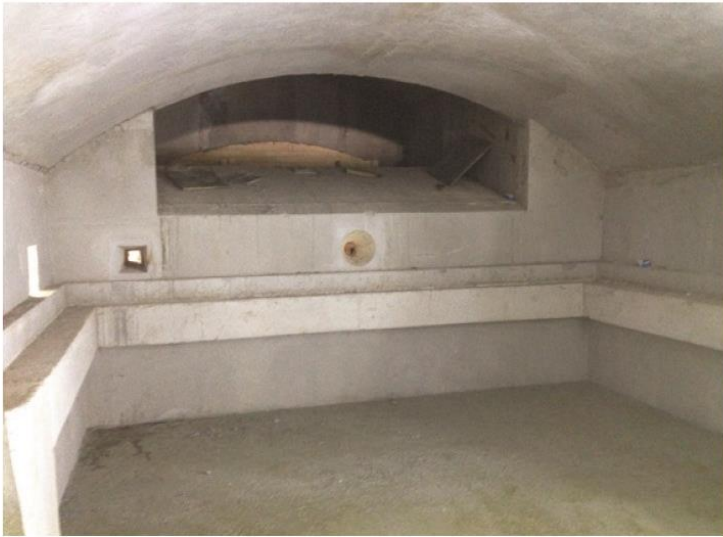
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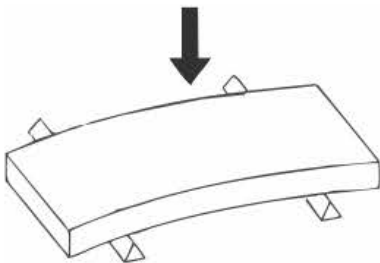


Room temperature

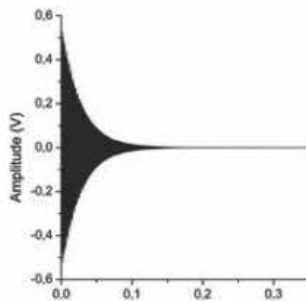


High temperatures

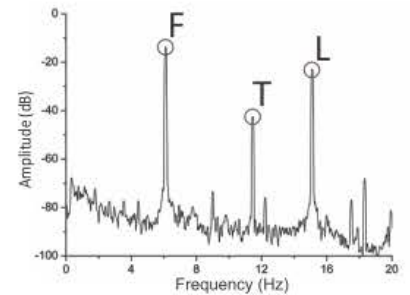
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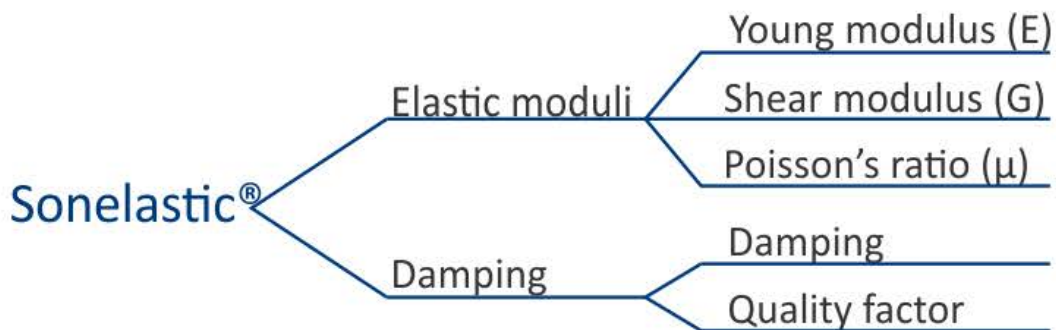
1 - Impulse excitation



2 - Acoustic response acquisition



3 - Analysis & calculations





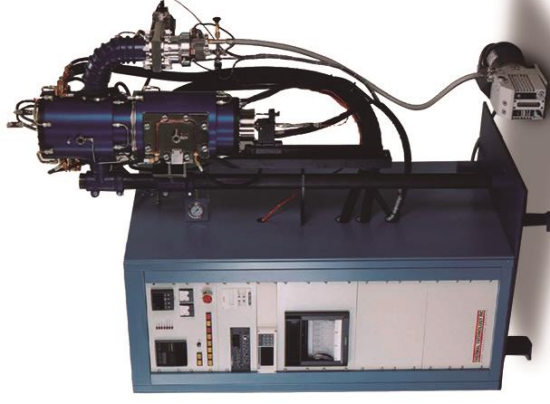
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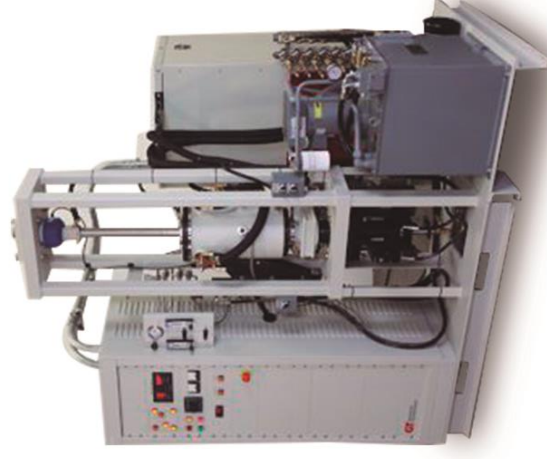
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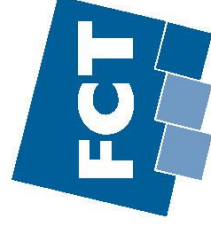
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