

Symposium: Organic Electronics and hybrids: materials and devices

Scope of the Symposium

The Symposium intends to bring together chemists, materials scientists, physicists, and engineers from both academia and industry to share information on the organic materials and hybrids for new technologies. It includes all types of organic / inorganic functional materials, their electronic and photophysics properties and device applications. The research topics include all types of synthesis, processing techniques (molecular crystals, multilayers, self-assemblies, and ultrathin films), compounds (composites and blends), micro- and nano-fabrication, interfaces, spectroscopic characterization (linear and non-linear), morphology, electronic, and photonic properties. In addition, the symposium is equally opened for electronic, photonic and hybrid devices: light-emitting diodes (LEDs), field-effect transistors (FETs), organic photovoltaics (PVs), integrated circuits, non-volatile memories, sensors, actuators & detectors.

Session Topics:

- Synthesis of conjugated molecules and polymers, hybrid, and compounds
- Interfaces: advances in material processing
- Photonic, photophysic, and photochemistry of conjugated molecules and polymers
- Organic, photonic, and hybrid devices
- Micro- and nano-fabrication of organic or hybrid materials
- Organic sensors and biosensors
- Theoretical modeling of conjugated molecules or polymers and organic devices

Invited speakers:

- Prof. Dr. Alberto Salleo - Department of Materials Science and Engineering, Stanford University, Stanford, USA.
- Dr. Franky So - Department of Materials Science and Engineering-University of Florida, Florida, USA.
- Dr. Thomas W. H. Oates, Leibniz - Institute for Analytical Science (ISAS), Berlin, Alemanha.
- Dr. Harald Bock, Centre de Recherche Paul-Pascal (CRPP), CNRS, University of Bordeaux – França.
- Prof. Dr. Tobias Voss, Bremen University of Bremen, Institute of Solid State Physics - Semiconductor Optics ,Bremen ,Germany
- Juliusz Sworakowski, Wroclaw University of Technology, Institute of Physical and Theoretical Technology, Poland
- Prof. D. Martin Taylor, School of Electric Engineering, Bangor University, Dean Street, Bangor, Wales, UK



- Dr. Armin Wedel, Division director - Functional Polymer Systems, Fraunhofer Institute for Applied Polymer Research, Potsdam, Germany.
- Prof. Dr. Ana Claudia Arias, Department of Electrical Engineering and Computer Sciences, University of California, Berkeley, United States
- Frank Nuesch, EMPA Materials Science & Technology, Lausanne
- Prof. Dr. Roland Hany, EMPA Materials Science & Technology, Lausanne, Switzerland

Symposium organizers:

1. Prof. Dr. Ivan H. Bechtold

Universidade Federal de Santa Catarina

2. Prof. Dr. Alexandre Marletta

Universidade Federal de Uberlândia

3. Prof. Dr. Cleber Renato Mendonça

Universidade de São Paulo (USP)

4. Prof. Dr. Ángel Alberto Hidalgo

Universidade Federal do Piauí

5. Prof. Dr. Gregório Couto Faria

Universidade de São Paulo (USP)

6. Prof. Dr. Lucas Fugikawa Santos

Universidade Estadual Paulista - UNESP

7. Prof. Dr. José Alberto Giacometti

Universidade de São Paulo (USP)