

FIRST ANNOUNCEMENT

10TH IPF COLLOQUIUM

Functional Polymers and Composites for Applications in Organic Electronics and Sensorics

Dresden, November 7 and 8, 2012

The Leibniz-Institut für Polymerforschung Dresden e. V. and its Association of Supporters invite you to the 10th IPF Colloquium.

Organic electronics is the basis for a rapidly growing technology that is anticipated to compete successfully with conventional microelectronics in the near future in such areas as electroluminescent devices (flexible displays and lightening devices), solar cells, energy storage devices, etc. Sensors, actuators, and smart/self-reporting materials have been built based on semi-conducting polymers or functional polymer composites. The main advantage of organic technologies over silicon technologies is the possibility of making low-cost and flexible large-area electronics by solution processing, such as by dedicated printing and roll-to-roll techniques. In addition, conductive polymers and composites can be integrated into the manufacturing process of structural parts allowing for implementation of sensor function. With these regards semi-conducting (π -conjugated) polymers but also highly conductive and functional polymer composites are the most promising classes of materials. This colloquium intends to cover various aspects of smart polymer materials and organic electronics, including materials chemistry, development and manufacturing as well as application in OFETs, OLEDs, photovoltaic cells, circuits, and sensors.

The colloquium is connected with an Industrial Workshop (Nov. 7, 2012 in the morning). It will be organized by the European Centre of Nanostructured Polymers (ECNP). The ECNP will present the centre's competences and offer cooperation in the field of functional nanostructured polymers and composites. Representatives from industry are welcome to join this event.

Confirmed speakers (provisional list)

Alexander Eychmüller, Dresden, D
Jean-Francois Feller, Lorient, Bretagne, France
Malte Gather, Dresden, D
Marina Grenzer-Saphiannikova, Dresden, D
Anton Kiri, Dresden, D
Christl Lauterbach, Future Shape GmbH, D
Sabine Ludwigs, Stuttgart, D
Klaus Meerholz, Köln, D
Klaus Müllen, Mainz, D
Dieter Neher, Potsdam, D
Martin Pfeiffer, Heliatek GmbH, D
Petra Pötschke, Dresden, D
Ullrich Scherf, Wuppertal, D
Henning Sirringhaus, Cambridge, UK
Steve Tierney, Merck Chemicals Ltd., Southampton, UK

Program

The program consists of invited lectures and poster contributions. We would like to draw your attention also to the Industrial Workshop of the European Centre of Nanostructured Polymers, ECNP, (Wednesday morning, cf. above). The detailed program will be distributed with the second circular of the colloquium.

Lab tour

A tour to some labs of the institute is offered after the last session on Thursday afternoon.

Language

Conference language is English.

Social program

A get-together will take place in the evening of Nov. 7, 2012 (included in the registration fee). Details will be published later.

Submission of contributions

You may apply for poster contributions submitting an abstract by October 10, 2012. As space is limited early submission is recommended. For guidelines for abstract preparation please refer to the website www.ipfdd.de/coll10
The poster display boards allow a format of 975 x 975 mm.

Registration

Participants from universities/institutes: EUR 100
Students: EUR 50
Participants from industry: EUR 200
(including book of abstracts, coffee breaks, lunch, get-together)
Registration is requested by October 10, 2012.

Accommodation

Accommodation has to be booked by the participants themselves. There are quite a number of hotels within walking distance from the conference venue and Dresden main railway station. We will give recommendations on the website and in the second announcement.

Venue

The meeting takes place at the Leibniz-Institut für Polymerforschung Dresden e. V. (IPF), Hohe Str. 6, 01069 Dresden-Südvorstadt.

Scientific Committee

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Organization/Contact

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