

Registration

10th IPF Colloquium

Participants from academia: EUR 100 Students: EUR 50

Participants from industry: EUR 200

(rates contain VAT and include book of abstracts, coffee breaks, lunch, get-together)

Registration is requested by October 10, 2012 using registration form (enclosed here and on the website

www.ipfdd.de/coll10).

We confirm registration and send an invoice of the due fee that should be paid by bank transfer prior to the colloquium.

ECNP Industrial Workshop

Please register free of charge via the ECNP-Website www.ecnp-eu.org.

Venue

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

Scientific Committee

Brigitte Voit Manfred Stamm Jürgen Pionteck Anton Kiriy

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Accommodation

Accommodation has to be booked by the participants themselves. We recommend the following hotels near the conference venue and Dresden main railway station.

Achat Hotel: Budapeststr. 34, 01069 Dresden, tel. +49 (0) 351 473800, e-mail dresden@achat-hotels.com, www.achat-hotels.com/hotels/Dresden/ → prebooked rooms at a rate of EUR 49.00 per single room and EUR 68.00 per double room can be booked using the code "10th IPF Colloquium" until October 10, 2012

InterCityHotel: Wiener Platz 8, 01069 Dresden, tel. +49 (0) 351 26355-100, e-mail christin.wirth@dresden.intercityhotel.com, www.intercityhotel.com/

IBIS Hotel: Prager Str. 9, 01069 Dresden, tel. +49 (0) 351 4856 2000, e-mail reservierung@ibis-dresden.de, www.ibis-dresden.de

Pullman Dresden Newa: Prager Str. 2C, 01069 Dresden, tel. +49 (0) 351 48140, e-mail h1577@accor.com, www.accorhotels.com/de/hotel-1577-pullman-dresden-newa/

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Leibniz-Institut
für Polymerforschung
Dresden e. V.

10TH IPF COLLOQUIUM

Functional Polymers and Composites for Applications in Organic Electronics and Sensorics

November 7 and 8, 2012

INVITATION AND PROGRAM



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, actors, 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 of 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 (free of charge).

Wednesday, November 7, 2012, 9:00 to 12:00

(for details cf. separate program)

Speakers: J. Kenny, Madrid, E J.-F. Gerard, Lyon, F J. Ulanski, Lodz, PL
J. Pflieger, Prague, CZ F. Nanni, Rome, IT B. Voit, Dresden, D

Wednesday, November 7, 2012

13:00	Opening
13:15	K. Müllen (Max Planck Institute for Polymer Research Mainz, D) Synthesizing device properties
13:50	U. Scherf (Universität Wuppertal, D) Synthesis-driven development of polymeric (opto)electronic materials
14:25	A. Kiriy (IPF Dresden, D) Controlled synthesis of semiconducting polymers for needs of organic electronics
15:00	Coffee break
15:30	H. Sirringhaus (University of Cambridge, UK) Charge transport physics in high mobility organic semiconductors
16:05	S. Ludwigs (Universität Stuttgart, D) Anisotropic charge transport in semiconducting polymers
16:40	M. Grenzer-Saphiannikova (IPF Dresden, D) Structure-property relationships in photodeformable azobenzene polymers
17:00	Coffee Break
17:15	Poster Discussion
19:00	Get together at the IPF

Thursday, November 8, 2012

8:30	A. Eychmüller (Technische Universität Dresden, D) Nanocrystals for organic electronics and sensorics?
9:05	M. Gather (Technische Universität Dresden, D) Living lasers – towards laser-based biosensors
9:40	J.-F. Feller (Université de Bretagne-Sud, F) Quantum resistive vapour sensors with controlled junction gap for E-noses
10:15	Coffee break
10:45	P. Pötschke (IPF Dresden, D) Polymer/carbon nanotube composites for liquid sensing applications
11:20	Ch. Lauterbach (Future-Shape GmbH, Höhenkirchen/Siegersbrunn, D) SensFloor® - A large-area sensor system beneath your feet
11:55	S.-L. Gao (IPF Dresden, D) Multifunctional composites interphases for sensing applications
12:20	Lunch break
13:00 -13:25	Amendment to the program: Presentation of Aldrich Materials Science J. Tong (Aldrich Materials Science, Taufkirchen, D) Facilitating innovative research on organic electronics
13:30	K. Meerholz (Universität Köln, D) Recent progress in organic small-molecule photovoltaics
14:05	D. Neher (Universität Potsdam, D) Aggregation and function of polymer-based solar cells
14:40	M. Pfeiffer (Heliatek, Dresden, D) Organic solar cells based on vacuum deposited oligomer-fullerene blend layers – from basics to mass production
15:15	Closing remarks
15:30	Lab Tour

Poster 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.

The posters will be discussed in a special poster session on Wednesday late afternoon.

Lab Tour

Lab tours will be offered after the last session. You may indicate your specific interests in this respect along with your registration.