
DATE | February 5th – 6th, 2015

LOCATION | Fraunhofer IAP, Geiselbergstr. 69, 14476 Potsdam-Golm, www.iap.fraunhofer.com

ORGANIZERS | Fraunhofer Institute of Applied Polymer Research IAP University of Potsdam Max Planck Institute of Colloids and Interfaces

SPONSOR | M. Braun GmbH, Munich

ORGANIZING COMMITTEE | Dr. Armin Wedel, Dr. Hartmut Krüger Prof. Dr. Dieter Neher, Prof. Dr. Reimund Gerhard Prof. Dr. Dr. Peter Fratzl

GETTING THERE | by car: freeway A10 (Berliner Ring), exit Leest (north of the Werder interchange); at the end of Wublitzstrasse turn right towards Golm at the roundabout straight on; parking places of Fraunhofer IAP on the first left driveway
by train: regional train RB20/RB21/RB22 to Potsdam-Golm train station; on foot about 5 min. in direction *Wissenschaftspark Potsdam-Golm”
by bus: from Potsdam bus 605/606/612 to ”Wissenschaftspark Potsdam-Golm”

REGISTRATION | Please send us your name, company, address, and phone number by e-mail at: petra.menz@iap.fraunhofer.de

REGISTRATION DEADLINE | January 10th, 2015

ATTENDANCE to the workshop IS FREE OF CHARGE.
**Program**

**Charge Transporting Polymers and Polymer Electrodes | Thursday, February 5th, 2015**

12:30 PM Registration and Welcome

1:00 PM **Polymer based Photovoltaics**  
Owen Lozman, Merck Chemicals Ltd, Southampton

1:35 PM **Conjugated Polyelectrolytes in Optoelectronic Devices**  
Quyen Nguyen, University of California, Santa Barbara

2:10 PM **How Chemical Design of Semiconducting Materials Drives the Performance of Organic Electronics**  
Iain McCullouch, Imperial College, London

2:45 PM **Transport in Conjugated Polymers and Charge Splitting Energetics at Donor-Acceptor Interfaces**  
Denis Andrienko, Max Planck Institute for Polymer Research, Mainz

3:20 PM **Coffee Break**

3:50 PM **The Role of Aggregation and Crystallinity on the Charge Transport Properties of Polymer Semiconductors**  
Riccardo di Petro, University of Cambridge

4:25 PM **PEDOT:PSS: Charge Transport and Application as Electrodes**  
Wilfried Lövenich, Heraeus Precious Metals, Leverkusen

5:00 PM **p-type Doping of Semiconducting Polymers with a Novel Dopant**  
Patrick Pingel, Fraunhofer IAP, Potsdam

5:25 PM **Reaching Electronic Equilibrium at Interfaces with Organic Semiconductors**  
Norbert Koch, Humboldt University Berlin

6:00 PM **Informal Meetings and Lab Tours**  
University of Potsdam and Fraunhofer IAP

7:00 PM **Get Together and Reception of MBRAUN**  
at Fraunhofer IAP

**Actuators and Robotics | Friday, February 6th, 2015**

9:00 AM **Conductive Nanoparticle Fillers in Elastomers for Actuators and Generators**  
Frank Nüesch, EMPA, Swiss Federal Laboratories for Materials Science and Technology, Dübendorf

9:35 AM **Modified Silicone Networks as Electro-Active Polymers in Dielectric Elastomer Actuators**  
Martin Blümke, Fraunhofer IAP, Potsdam

10:00 AM **Actuation and Sensing Properties of Dielectric Electroactive Polymer Membranes**  
Stefan Seelecke, University of Saarland, Saarbrücken

10:35 AM **Coffee Break**

11:00 AM **Immobility and E-Mobility – Trapped Charges Enable Polymer Motion**  
Dmitry Rychkov, University of Potsdam

11:25 AM **Porous Polymer Actuators: Small Pores – Big Stories**  
Jiayin Yuan, Max Planck Institute of Colloids and Interfaces, Potsdam

11:50 AM **Dielectric Elastomer Actuator for Energy Efficient Valve Technology**  
Metin Giousouf, Festo AG, Esslingen

12:30 PM Concluding Remarks and Good Bye

12:45 PM **Lunch and Optional Lab Tours**