

## Chairmen

Prof. Dr. Jens-Uwe Sommer    sommer@ipfdd.de  
Prof. Dr. Carsten Werner      werner@ipfdd.de

## Conference venue

Leibniz-Institut für Polymerforschung Dresden e. V.  
Conference hall  
Hohe Str. 6, 01069 Dresden-Südvorstadt  
Conference office open from Nov. 10, 2010, 12:00 till the end of the meeting

## Registration

The registration fee is (incl. VAT)

Academic:    EUR 75                      Industry:        EUR 150  
(including book of abstracts, lunch, coffee breaks, and get together)

Please register preferably using the form that can be found enclosed or on the website [www.ipfdd.de/9th-colloquium](http://www.ipfdd.de/9th-colloquium) by October 15, 2010. Upon receipt of your registration you will get an invoice for transfer of the registration fee.

## Tour of the IPF

A lab tour at the IPF is scheduled for Wednesday late afternoon between sessions and buffet. If you wish to join, please register.

## Accommodation

Accommodation has to be booked by the participants themselves. Middle class hotels near the IPF are, e.g.  
Pullman Dresden Newa (Prager Straße) – [www.accorhotels.com/de/hotel-1577-pullman-dresden-newa/index.shtml](http://www.accorhotels.com/de/hotel-1577-pullman-dresden-newa/index.shtml), [H1577@accor.com](mailto:H1577@accor.com)  
Intercity Hotel Dresden – [www.dresden.intercityhotel.de](http://www.dresden.intercityhotel.de),  
[reservierung@dresden.intercityhotel.de](mailto:reservierung@dresden.intercityhotel.de)  
IBIS Hotels (Prager Straße) – [www.ibis-dresden.de](http://www.ibis-dresden.de), [reservierung@ibis-dresden.de](mailto:reservierung@ibis-dresden.de)

## Contact

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[www.ipfdd.de/9th-colloquium](http://www.ipfdd.de/9th-colloquium)

Leibniz-Institut für Polymerforschung Dresden e. V.



# 9th IPF Colloquium STIMULI-RESPONSIVE POLYMERS

## Invitation and Program

Dresden,  
November 10 and 11, 2010

The Leibniz Institute of Polymer Research Dresden invites you to the 9<sup>th</sup> IPF Colloquium dedicated to the topic

### **Stimuli-Responsive Polymers**

Polymers adapting to surrounding environments by changes in physical, chemical and biochemical characteristics play an increasingly important role in an array of applications, including drug delivery, diagnostics, tissue engineering, biosensors, and microfluidics. Starting from a series of invited presentations we intend to discuss recent progress in this emerging field, covering both theoretical/conceptual and experimental approaches.

#### **Wednesday, November 10, 2010**

- 13:00 Brigitte Voit  
Head Macromolecular Chemistry and CSO, IPF Dresden  
*Opening*
- 13:10 Martien Cohen Stuart  
Wageningen University, Wageningen, The Netherlands  
*Protein polymers which self-assemble upon suitable triggers*
- 13:50 Holger Frauenrath  
Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland  
*Materials and nanowires from oligopeptide-polymer conjugates*
- 14:30 Holger Merlitz  
Xiamen University, Xiamen, China and IPF Dresden  
*Simulation of stimuli responsive polymer brushes*
- 15:10 *Coffee Break*
- 15:40 Wilhelm Huck  
University of Cambridge, UK  
*To stick or not stick, polymer brushes to control adhesion of water droplets and cells*
- 16:20 Torsten Kreer  
CNRS Strasbourg, France  
*Response of polymer brushes to shear*
- 17:00 Rainer Jordan  
Technische Universität Dresden, Macromolecular Chemistry  
*From the bottom-up: New developments in the preparation of functional polymer brushes*
- 17:45 IPF TOUR**
- 18:30 Buffet with music accompany at IPF**

#### **Thursday, November 11, 2010**

- 9:00 Roland Netz  
Technische Universität München, Garching, Germany  
*Equilibrium and nonequilibrium polymer dynamics*
- 9:40 Kostas Daoulas  
Universität Göttingen, Germany  
*Using copolymers with stimuli-responsive architecture for manufacturing device-oriented nanostructures - some insights from simulations*
- 10:20 *Coffee Break*
- 10:50 Dirk Kuckling  
Universität Paderborn, Germany  
*Controlled synthesis of functional smart materials*
- 11:30 Yixin Zhang  
Technische Universität Dresden – Innovation Center for Molecular Bioengineering B CUBE  
*To tune the immune system with light-responsive compounds*
- 12:10 Rein V Ulijn  
University of Strathclyde, Glasgow, UK  
*Biocatalytic self-assembly*
- 12:50 *Concluding remarks*
- 13:15 *Lunch at IPF*

**REGISTRATION**  
**9th IPF Colloquium:**  
**Stimuli-Responsive Polymers**  
**Dresden, Nov. 10 and 11, 2010**

*Please return by Oct. 15, 2010.*

**Fax: 0351 4658-214**

**wustrack@ipfdd.de**

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Name                      Surname                      Title

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Affiliation

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Address

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Phone                      Fax                      e-mail

**Registration fee** (incl. VAT)

- EUR 75 (Academic)       EUR 150 (Industry)

*An invoice will be sent to the address given above.*

- Participation in the **get together** (no extra fee).  
 Interest in the **tour of the institute**. (Wednesday, 17:45)

Special interests: .....

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Date                                      Signature

