

General Information

Oral Communications and Posters

Abstracts can be submitted to the following topics:

Polymers in Biomedicine

- Biofunctional Polymers
- Polymer-based Materials for Regenerative Therapies
- Polymers für Controlled Drug Release

Polymers in Electronics

- Sensors and Actuators
- Charges and Transport
- Photovoltaics
- Light Emission

Please submit your scientific contribution exclusively via internet at

www.gdch.de/makro2010

A sample abstract is to be found on this website. No revisions or corrections will be made by the organising committee.

After a successful transmission you will receive a reference code for each submitted paper and a few days later a confirmation of receipt. In case you should not have received this confirmation after two weeks please contact GDCh by e-mail tgonline@gdch.de and indicate the reference code of your paper.

The scientific committee reserves the right to accept or reject papers and to assign them to oral or poster contribution.

Poster Award

The best poster presentations will be awarded.

Deadlines

Submission of oral contributions: March 31, 2010
Submission of posters: April 15, 2010

www.gdch.de/makro2010

Information about the Scientific Programme

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Information about the Local Organisation

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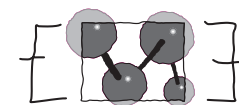
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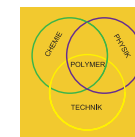
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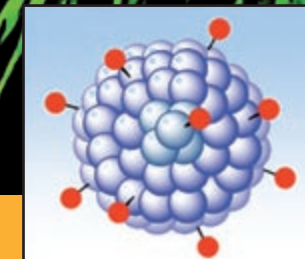
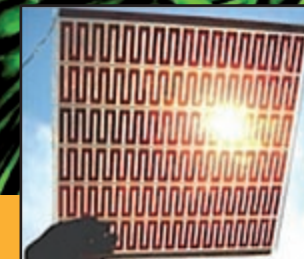
Fachgruppe
Makromolekulare Chemie



Berlin-Brandenburgischer Verband
für Polymerforschung e.V.

Polymers in Biomedicine and Electronics

Biannual Meeting of the GDCh-Division of “Macromolecular Chemistry” and Polydays 2010



3. – 5. Oktober 2010 · Berlin-Dahlem

About the Conference

The versatility of polymeric materials originates from the broad variety in their chemical structure and in their hierarchical organisation as well as from the possibility to realize a wide spectrum of functions. Often such functions result from a combination of a molecular architecture/morphology with a physical process and therefore require integration in a suitable system (e.g. medical device, electric circuit) or environment (e.g. physiological environment). Frequently research in the area of functional polymers is motivated by applications. This conference focuses on two application areas, in which polymer research as well as product development are progressing rapidly: Biomedicine and Electronics. Here (multi)functional polymers are an enabling technology and in this way create substantial and sustainable value.

Topics of the conference cover the design and the synthesis of functional polymers, physical principles underlying the function, the characterization of such functions within a system as well as product-oriented industrial research. Smart biomaterials, biocompatible coatings and their applications in controlled drug delivery systems or in Regenerative Therapies will be discussed in the Biomedicine-oriented sessions of the conference. Photovoltaic, charge transport, light emission as well as sensors and actuators will be subjects in the area of Electronics.

The conference will consist of four plenary lectures, invited as well as contributed oral presentations and two comprehensive poster sessions with ten selected poster flash presentation. Younger scientists are especially encouraged to submit their papers.

This conference on "Polymers in Biomedicine and Electronics" combines the biannual meetings of the GDCh Division "Macromolecular Chemistry" and the POLYDAYS of the Berlin-Brandenburgischer Verband für Polymerforschung (BVP). The event will include the Award Ceremonies for the GDCh Division (Hermann Schnell and Reimund Stadler-Awards) and for BVP (Gerhard Karnig Lecture, Kurt-Ueberreiter and Georg-Manecke Award).

In the year 2010 Berlin will celebrate "300 years science city – freedom and responsibility", which will form an excellent scenery for this conference. The conference location is the Henry Ford Building of Freie Universität Berlin.



Conference Site

Henry Ford Building, FU Berlin

Organising Committee

Andreas Lendlein	Teltow (Chairman)
Michael Buchmeiser	Stuttgart
Rainer Haag	Berlin
Doris Klee	Aachen
Gerhard Langstein	Leverkusen
Dieter Neher	Potsdam
Jürgen Rabe	Berlin
Matthias Rehahn	Darmstadt

Registration

Registration will start with the second circular (approx. April 2010). To obtain the second circular, please register at the online-newslist at

www.gdch.de/makro2010

Conference Come-Together on October 4, 2010

Greenhouse, Botanic Garden, FU Berlin, www.bgbm.org



Speakers

Plenary Speakers

Thomas Geelhaar	Merck KGaA, Darmstadt/D (to be confirmed)
Kazunori Kataoka	University of Tokyo/J MIT, Cambridge, MA/USA (to be confirmed)
Itamar Willner	Hebrew University of Jerusalem/IL (to be confirmed)
N.N.	

Invited Speakers – Polymers in Biomedicine

Anja Enderle	Böhringer Ingelheim/D
Heike Heckroth	Bayer Material Science AG, Leverkusen/D
Thomas Kissel	Universität Marburg/D
Gerhard Maier	polyMaterials AG, Kaufbeuren/D
Jens Rieger	BASF SE, Ludwigshafen/D
V. Prasad Shastri	Universität Freiburg/D
Rudolf Zentel	Universität Mainz/D
N.N.	

Invited Speakers – Polymers in Electronics

Friedrich Bruder	Bayer Material Science AG, Leverkusen/D
Wolfgang Clemens	PolyIC, Fürth/D (to be confirmed)
Antonio Facchetti	Northwestern University, Evanston, IL/USA
Sir Richard Friend	University of Cambridge/ UK (to be confirmed)
René Janssen	TU Eindhoven/NL
Klaus Meerholz	Universität Köln/D
Klaus Müllen	MPI Mainz/D (to be confirmed)
Florian Schwager	Evonik Degussa GmbH, Marl/D