

# Programm KOPO'09



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## Sunday, 13. September 2009

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from 14.00	Registration
18.00	Dinner
19.00	Opening (Peter Bäuerle)

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### Rudolf-Gompper-Memorial Lecture

19.15	<b>Prof. Dr. E. W. Meijer</b> (TU Eindhoven) Part I The synthesis of functional complex molecular systems; how far can we push chemical self-assembly
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Break

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20.15	<b>Prof. Dr. E. W. Meijer</b> (TU Eindhoven) Part II The synthesis of functional complex molecular systems; how far can we push chemical self-assembly
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Workshop-Mixer

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## Monday, 14. September 2009

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Chair: Matthias Wagner

### Tutorial: Synthesis and Self-Organization

8.30	<b>Prof. Dr. Stefan Hecht</b> (FU Berlin) Functional $\pi$ -systems confined at surfaces
9.30	<b>Dr. Philippe Blanchard</b> (CNRS) Surface-functionalization by mono-layers of thiophene-based linear $\pi$ -conjugated systems.
10.00	<b>Dr. Gustavo Fernandez Huertas</b> (Univ Compl. Madrid) Modulated morphology in the self-assembly of radial oligophenylene ethynylene amphiphiles
10.20	<b>Eva-Kathrin Schillinger</b> (Univ. Ulm) Peptide- and amino acid-directed self-assembly of oligothiophenes

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10.40 Coffee break

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Chair: Günther Götz

### Conjugated Polymer Session

11.00	<b>Prof. Dr. Jürgen Heinze</b> (Univ. Freiburg) Conductivity of conducting polymers – charge transport under mixed valence conditions
11.30	<b>Nils Koenen</b> (Berg. Univ. Wuppertal) First synthesis of isotactic polyfluorene
11.50	<b>Andreas Lorbach</b> (Univ. Frankfurt) 9,10-Dihydro-9,10-diboraanthracene – a building block for boron-doped conjugated polymers

12.10 **Johannes Huber** (Univ. Konstanz)  
Aqueous dispersions of poly(arylene ethynylene)  
nanoparticles

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12.30 *Lunch*

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*Chair: Sylvia Schmid*

**Tutorial: Bioinspired  $\pi$ -Systems**

14.00 **Prof. Dr. Hans-Achim Wagenknecht** (Univ. Regensburg)  
Functional DNA: Photoinduced electron-transfer and chromophore arrangement

15.00 **Johannes Pecher** (Univ. Konstanz)  
Conjugated polymer nanoparticles – Optical properties and relevance for bio-imaging

15.20 **Anja Jatsch** (Univ. Ulm)  
Self-recognizing oligothiophenes

15.40 **Sanchita Sengupta** (Univ. Würzburg)  
Bio-inspired zinc-chlorin dye assemblies for supramolecular electronics

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16.00 *Coffee break*

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*Chair: Josef Salbeck*

**Tutorial: New Structures and Synthetic Methods**

16.30 **Prof. Dr. Jay Siegel** (Univ. Zürich)  
Synthesis and properties of condensed aromatics from circulenes to nanotube caps

17.30 **Sergio Grunder** (Univ. Basel)  
Novel oligoaryl cruciform structures as candidates for coordination induced single molecular switches

17.50 **Martina Hauck** (Univ. Düsseldorf)  
Synthesis and electronic properties of highly fluorescent and redox-tunable phenothiazinyl containing dyads and oligomers

18.10 **Jan-Moritz Koenen** (Berg. Univ. Wuppertal)  
Unexpected sidechain oxidation in a swivel cruciform oligothiophene

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18.30 *Dinner*

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19.30 *Poster Session*

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**Tuesday, 15. September 2009**

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*Chair: Amaresh Mishra*

**Tutorial: Supramolecular Chemistry**

08.30 **Prof. Dr. Frank Würthner** (Univ. Würzburg)  
Supramolecular dye chemistry

09.30 **Prof. Dr. Heinz Langhals** (LMU München)  
Synthesis and properties of complex multichromophoric systems

10.00 **Georg Fischer** (Univ. Konstanz)  
PPCys: A new class of NIR fluorophores

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10.20 *Coffee break*

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*Chair: Peter Bäuerle*

10.50 **Prof. Dr. Michael Schmittel** (Univ. Siegen)  
Tuning the wavelength of electrochemiluminescence by potential in multinuclear systems

- 11.20 **Markus Steeger** (Univ. Würzburg)  
Energy transfer in multidimensional chromophores
- 11.40 **Sandro Gabutti** (Univ. Basel)  
Rigid NDI cyclophanes
- 12.00 **Ilona Stengel** (Univ. Ulm)  
New luminescent platinum(II) bipyridines: Colour tuning via metal-metal interaction

12.30 *Lunch*  
*Break for City Walk*

*Chair: Chang-Qi Ma*

**Tutorial: Organic Electronics and Solar Cells**

- 16.00 **Prof. Dr. René A. J. Janssen** (TU/e)  
Polymer solar cells: status and challenges
- 17.00 **Prof. Dr. Lorenz Walder** (Univ. Osnabrück)  
From dendritic viologens to electrochromic displays
- 17.30 **Martin Schikora** (Univ. Ulm)  
NIR-absorbing dendritic oligothiophenes
- 17.50 **Dr. Andre Weiß** (Heliatek GmbH)  
Organic based photovoltaics with small molecules
- 18.10 **Dr. Amaresh Mishra** (Univ. Ulm)  
Thiophene-based materials for dye-sensitized solar cells

*Announcement of the Poster Prize*

18.30 *Dinner*

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**Wednesday, 16. September 2009**

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*Chair: Elena Mena-Osteritz*

**Tutorial: Molecular Electronics**

- 08.30 **Prof. Dr. Marcel Mayor** (Univ. Basel)  
Molecular devices in electronic circuits
- 09.30 **Muhammad Sajid** (Univ. Bielefeld)  
Conformationally unambiguous spin labeling for EPR investigation of molecular structure and dynamics
- 9.50 **Dr. Ingmar Swart** (Univ. Regensburg)  
Single molecule organometallic chemistry by low temperature STM
- 10.10 **Dr. Dirk Hertel** (Univ. Köln)  
Ultrafast dynamics of carrier mobility in a conjugated polymer probed at molecular and microscopic length

10.30 *Coffee break*

*Chair: Michael Mastalerz*

- 11.00 **Prof. Dr. Sigurd Höger** (Univ. Bonn)  
Shape-persistent rings and wheels
- 11.30 **Dr. Fan Zhang** (Univ. Ulm)  
Giant macrocyclic oligothiophenes with extended conjugation
- 11.50 **Dhananjaya Sahoo** (Univ. Bielefeld)  
Molecular rulers for the spectroscopic ruler FRET

12.10 *Closing, Lunch, Bye-bye (Michael Mastalerz)*

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