

International Max Planck Research School on  
**Organic Electronics - Synthesis, Photophysics and Devices**

August 21<sup>st</sup> – August 27<sup>th</sup> 2011  
 Gonville Hotel, Cambridge, United Kingdom

**Organizers:** Prof. Dr. Rudolf Zentel, Organic Chemistry, University of Mainz & Dr. Frédéric Laquai, Max-Planck Institute for Polymer Research

Sunday 21.08.	Group check-in 11.50 Departure Frankfurt 13.50 (LH 908) arrival Heathrow 14.25, pick up bus 14.45, arrival at Cambridge (UK) 17.00 19:00 Dinner
Monday 22.08.	<b>Synthesis of Conjugated Materials</b> (Ulli Scherf, Rene Janssen, Niels Schulte (Merck)) 08:00–09.15 Breakfast 09:45-10:00 Welcome (Zentel, Laquai) 10:00-11:00 Rene Janssen: Designing Conjugated Polymers for Organic Solar Cells 11:00-11:30 Coffee Break 11:30-12:30 Rene Janssen: continued 12:30-14:00 Lunch Break 14:00-15:00 Ulli Scherf: Materials for Organic Electronics - Semiconducting (Conjugated) Polymers 15:00-15:30 Coffee Break 15:30-16:30 Ulli Scherf: continued 16:30-17:00 Break 17:00-18:00 Niels Schulte: How to Transfer (Photo)physical Properties into a Chemical Structure? Material Development at Merck KGaA. 19:00 Dinner
Tuesday 23.08.	<b>Device Preparation and Characterization</b> (Henry Snaith, James Kirkpatrick) 08:00–09.15 Breakfast 09:30-10:30 Henry Snaith: Hybrid and Dye Sensitized Solar Cells 10:30-11:00 Coffee Break 11:00-12:00 Henry Snaith: continued 12:00-14:00 Lunch Break 14:00-15:00 James Kirkpatrick: Non-adiabatic Charge Transport in Organic Materials 15:00-15:30 Coffee Break 15:30-16:30 James Kirkpatrick: continued 19:00 Dinner
Wednesday 24.08.	<b>Processes at Interfaces</b> (Norbert Koch, Wolfgang Tremel, Rudolf Zentel) 08:00–09.15 Breakfast 09:30-10:30 Norbert Koch: How to Measure and Manipulate Energy Levels in Organic Electronic Devices? 10:30-11:00 Coffee Break 11:00-12:00 Norbert Koch: continued 12:00-14:00 Lunch Break 14:00-15:00 Wolfgang Tremel: Nanostructured Metal Oxides for Catalysis, Sensing and Optoelectronics 15:00-15:30 Coffee Break 15:30-16:30 Rudolf Zentel: Hybrids of Inorganic Nanoparticles and Semiconducting Polymers 19:00 Dinner
Thursday 25.08.	<b>Photophysics: Optical Spectroscopy of Excited States</b> (Dieter Neher, Artem Bakulin) 08:00–09.15 Breakfast 09:30-10:30 Dieter Neher: Charge Carrier Dynamics in Semiconducting Polymer Films 10:30-11:00 Coffee Break 11:00-12:00 Dieter Neher: continued 12:00-14:00 Lunch Break 14:00-15:00 Artem Bakulin: Watching Charge Dynamics Inside Working Organic Solar Cells 15:00-15:30 Coffee Break 15:30-16:30 Artem Bakulin: continued 19:00 Dinner

Friday 26.08.	<b>Morphology</b> (Harald Hoppe) 08:00–09.15 Breakfast 09:30-10:30 No lecture 10:30-11:00 Coffee Break 11:00-12:00 No lecture 12:00-14:00 Lunch Break 14:00-15:00 Harald Hoppe: Structure-Property-Relations in Polymer-Fullerene Solar Cells: Impact on Morphology and Device Performance 15:00-15:30 Coffee Break 15:30-16:30 Harald Hoppe: Processing of Polymer Solar Modules and Imaging as Characterization Tool 19:00 Dinner
Saturday 27.08.	08:00–09.15 Breakfast Pick up bus 12.00 at hotel departure Heathrow (LH 909) 15.25 arrival Frankfurt 17.55

### List of invited speakers:

Prof. Dr. Ullrich Scherf, Universität Wuppertal, email: [scherf@uni-wuppertal.de](mailto:scherf@uni-wuppertal.de)  
Prof. Dr. René Janssen, Eindhoven University of Technology, email: [r.a.j.janssen@tue.nl](mailto:r.a.j.janssen@tue.nl)  
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