

Annual Conference of the
Leipzig School of Natural Sciences –
Building with Molecules and Nano-objects
Graduate School BuildMoNa
Monday, 23 March and Tuesday, 24 March 2015

Venue:

Arthur Hantzsch Lecture Hall, Faculty of Chemistry and Mineralogy, Johannisallee 29,
04103 Leipzig

Agenda

Monday, 23 March 2015

- 8:30 PI Meeting
- 9:30 *Coffee, refreshments (Room 014)*
- 10:00 Prof. Dr. Evamarie Hey-Hawkins
Welcoming address
- 10:15 Prof. Dr. Tanja Weil (Chair: Robert Kuhnert)
Universität Ulm
Macromolecular therapeutics by programmed self-assembly
- 11:15 *Coffee break, refreshments (Room 014)*
- 11:45 Prof. Dr. Oliver Benson (Chair: André Heber)
Humboldt-Universität zu Berlin
*Defect centres in nanodiamonds: Fundamental building blocks for
quantum technology & sensing applications*
- 12:45 Group photo shooting
- 13:00 *Lunch (Room 014)*

- 14:30 Prof. Dr. Regina Palkovits (Chair: Ulrike Junghans)
RWTH Aachen
From lignocellulose to novel monomers
- 15:30 *Coffee break, refreshments (Room 014)*
- 16:00 Prof. Dr. Muriel Hissler (Chair: Anup Kumar Adhikari)
Université de Rennes 1
Molecular materials for (opto)electronic devices
- 17:00 Award ceremony
- 17:30 Poster session (for even poster numbers)
- 18:30 Poster session (for odd poster numbers)
- 19:30 Dinner buffet (and continuation of poster sessions)
- 21:00 Prospective end

Tuesday, 24 March 2015

- 9:00 Session I (Chair: Paul Cosmin Boar)
1. Annemarie Finzel
Epitaxial GaN films deposited on ion-beam structured Si(111) with SiN_x intermediate layer
 2. Peter Schlupp
Room-temperature fabricated amorphous oxide heterodiodes on glass and flexible substrates
 3. Daniel Thomas Splith
Schottky contacts and pn-heterojunctions on heteroepitaxial In₂O₃ thin films grown by pulsed laser deposition
 4. Toni Grell
Novel donor-acceptor complexes with phosphines and amines
 5. Martin Glaser
Higher ordered assembly of rigid biopolymers induced by depletion forces
 6. Reinhard Hoy
Tridentate phospholane ligands – Suitable building block for nano-containers?
- 10:30 *Coffee break, refreshments (Room 014)*

- 11:00 Session II (Chair: Cathleen Jendryn)
7. Jürgen Lippoldt
Cell motility at the leading edge: Measuring membrane fluctuations with an optical tweezer setup
 8. Marcus Purfürst
Influence of soot on SCR-coated diesel particulate filters
 9. Ulrike Junghans
Oxidation of cyclooctene over copper-containing metal-organic frameworks
 10. Stefan Saretz
Carborane derivatives for medicinal applications
 11. Juan-Antonio Navarro Garcia-Cervignon
Metal-organic frameworks with chiral binaphthalene-based linkers
 12. Salma Begum
Hybrid composites: Ionic conduction and dielectric properties
- 12:30 Lunch break (Room 014)
- 13:30 Session III (Chair: Tom Golde)
13. Steve Ullmann
Novel calix[4]arene derivatives as complexation agents for d- and f-elements
 14. Emilia Wisotzki
Tailoring the material properties of electron irradiated gelatin hydrogels
 15. Robert Karsthof
Visibly-transparent UV-active solar cells
 16. Guillermo Zecua Ramirez
Geometric model for cell and tissue shape
 17. Tom Michalsky
Strong light-matter interaction in ZnO nanowires concentrically coated with Bragg reflectors
- 14:45 Coffee break, refreshments (Room 014)
- 15:00 Jury meeting
- 15:15 Award ceremony
- 15:45 Meeting of the DCs
- 16:00 End of conference