



UNIVERSITÄT
LEIPZIG

Annual Conference of the
Leipzig School of Natural Sciences –
Building with Molecules and Nano-objects
Graduate School BuildMoNa
Monday, 19 March and Tuesday, 20 March 2018

Venue:

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

Agenda

Monday, 19 March 2018

- 9:30 Prof. Dr. Marius Grundmann
Welcome address
- 9:35 Prof. Dr. Knut R. Asmis (chair: Dennis Worm)
Universität Leipzig
*Cryogenic ion vibrational spectroscopy: more than a structural characterization
tool for gas phase clusters*
- 10:35 *Coffee break, refreshments (Room 014)*
- 11:00 Dr. ir. Henk Huinink (chair: Antonio Buzharevski)
TU Eindhoven
Towards a thermal battery – utilizing solid-solid transitions in crystal hydrates
- 12:00 Group photo shooting
- 12:15 *Lunch (Room 014)*





UNIVERSITÄT LEIPZIG

- 13:30 Prof. Dr. Claudia Blindauer (chair: Marta Gozzi)
University of Warwick
Metal-sensing proteins and regulatory molecular switches: the mechanics of zinc homeostasis
- 14:30 *Coffee break, refreshments (Room 014)*
- 15:00 Ceremony for BuildMoNa Awards 2018
- 15:30 10 years BuildMoNa – Retrospective and Looking Forward
- 16:30 Poster session
- 17:30 Dinner buffet (and continuation of poster session)
- 19:00 Prospective end

Tuesday, 20 March 2018

- 9:00 - 10:00 PI Meeting
- 10:00 *Coffee, refreshments (Room 014)*
- 10:15 Prof. Dr. Silke Christiansen (chair: Max Kneiß)
Helmholtz-Zentrum Berlin
3D nanoarchitectures of organic and inorganic nature – enhancing functionality and understanding through correlative microscopy
- 11:15 Dr. Donald Maclaren (chair: Paul Räcké)
University of Glasgow
Mapping the nanoscale functionality of advanced materials using analytical electron microscopy
- 12:15 *Lunch (Room 014)*



UNIVERSITÄT LEIPZIG

- 13:15 Session I (chair: Sascha Becker)
1. Angela Aleksovska
 π -Conjugated ligands for photoactive metal-organic frameworks
 2. Max Kneiß
A Pulsed Laser Deposition Technique for Continuous Variation of Alloy Composition in Growth Direction: Demonstration on the Transparent $Mg_xZn_{1-x}O$ Alloy System
 3. John Popp
"Das doppelte Lottchen" Enantioselective synthesis of P-chiral ferrocenyl phosphines for redox-switchable catalysis
 4. Paul Räche
Deterministic ion implantation: how to count single ions
 5. Rafaella Precker
BioMOFs as drug carriers in cancer therapy
- 14:30 *Coffee break, refreshments (Room 014)*
- 15:00 Session II (chair: Felix Link)
6. Chiara Ruggirello
Magnetically mediated hyperthermia for cancer's treatment
 7. Philipp Wolf
Bio-orthogonal labeling of G protein-coupled receptors in live cells
 8. Dennis Worm
Selective neuropeptide Y conjugates with high carbaborane loading as potential boron delivery agents for BNCT
 9. Henrik Christiansen
Application of population annealing to molecular dynamics simulations for protein folding



UNIVERSITÄT LEIPZIG

10. Susann Liedtke
Texture of obliquely deposited metallic thin films
11. Peter Coburger
Oxidative P-P bond addition to cobalt(-I)

- 16:30 Jury meeting
- 16:30 *Coffee break, refreshments (Room 014)*
- 17:00 Awards Ceremony for Doctoral Candidates' talks
- 17:30 Meeting of the Doctoral Candidates
- 17:45 End of conference