

Tuesday, 12.04.2016

Opening Session	SFB 951 Representative Norbert Koch (A8, Z3) <i>CRC 951 Overview Talk</i>
Session 1	Christoph Koch (Z2) <i>HIOS structure and morphology characterization</i>
	Thorsten Schultz (A8) <i>Influence of Surface States on the Energy Level Alignment between GaN and Organic Acceptor Molecules</i>
	Yves Garmshausen (A3) <i>Photochromic Properties of Donor-Acceptor-Dihydropyrenes</i>
Session 2	Tino Meisel (A5) <i>Molecular Beam Epitaxy of NiO and NiO-based Alloys</i>
	Shuyi Liu (A2) <i>Local Characterization of Ultrathin ZnO Layers on Ag(111) by STM and AFM</i>
	Simon Erker (External) <i>Phase stability of the O- and Zn-terminated ZnO surfaces under realistic conditions including doping</i>
	Maria E. Stournara (B4) <i>H adsorption on ZnO (1010) at realistic conditions</i>
	Lukas Gierster (B9) <i>Ultrafast electron transfer-induced CO₂ activation at a ZnO surface</i>
Session 3	Björn Kobin (A3, Z1) <i>On how to make the "O" for HIOS</i>
	Thomas Martynec (A7) <i>Modelling the non-equilibrium growth of anisotropic organic molecules</i>
	Victor G. Ruiz (A10) <i>Density-Functional Theory with Screened van der Waals Interactions for the Modeling of Hybrid Inorganic/Organic Systems</i>
	Nicola Ferri (A10) <i>Electronic Properties of Hybrid Inorganic/Organic Systems with Self-Consistent Interatomic van der Waals Density Functional</i>
	Benjamin Höffling (B11) <i>Electronic Structure of PPP@ZnO from ab-initio Quasiparticle Calculations</i>

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**Invited
Speaker**

Xiaoyang Zhu (Department of Chemistry, Columbia University)
The perovskite fever & unusual carrier physics

**Session
4**

Matthias Moeferd (B10)
Plasmonics in nanoscale systems

Michael Gegg (B12)
Exact treatment of emitter-cavity systems

Günter Kewes (B2)
*Theory and Experiment on Coherent Nanoscopic Light-sources:
Spasers vs. Nano-Lasers*

Andreas Ott (B2)
*Incorporation and photostability of organic gain to
compensate losses in plasmonic materials*

Martin Rothe (B2)
*Design and Investigation of Hybrid Systems of Metallic or
Dielectric Nanoresonators and (Organic) Emitters towards Nanolasers*

**Session
5**

Katja Höflich (A11)
*Design of Hyperbolic Metamaterial Cavities and Chiral
Three-dimensional Antennae for Emitter Coupling*

Evgenij Travkin (A5)
Hybrid metamaterials based on transparent conductive oxides

Hala Memmi (A5)
Strong coupling between surface plasmon polaritons and molecular vibrations

Maurizio Roczen (Z3)
Gender equality and work-life balance programs of the CRC 951

Thursday, 14.04.2016

Session 6	Thomas Plehn (B6) <i>Atomistic modeling of exciton and charge transfer dynamics at the molecule-semiconductor interface: Open system dynamics of hole transfer in a molecular cluster</i>
	Dirk Ziemann (B6) <i>Atomistic modeling of exciton and charge transfer dynamics at the molecule-semiconductor interface: Exciton dynamics in ZnO</i>
	Robin Winter (B6) <i>Molecular dynamic study of molecular clusters on semiconductor surfaces: para-Sexiphenyl on ZnO</i>
Session 7	Judith Specht (B12) <i>Theory of excitation transfer between semiconductor and molecular layers</i>
	Katherine Herman (A6) <i>Förster resonance energy transfer in HIOS based on tubular J-aggregates and semi-conductor quantum dots</i>
	Niklas Mutz (B3) <i>Spectroscopic investigation of InGaN/GaN quantum well systems for hybrid light-emitting devices</i>
Session 8	Olga Turkina (B11) <i>Electronic and optical excitations at the pyridine@ZnO hybrid interface</i>
	Fortunato Piersimoni (B7) <i>Investigation of the hybrid charge transfer state at ZnO/organic interfaces</i>
	Moritz Eyer (B3) <i>Hybrid charge transfer excitons at ZnMgO/P3HT interfaces</i>
	Sara Jäckle (A11) <i>The hybrid silicon/PEDOT:PSS interface: junction formation, current transport and degradation</i>
Closing	Project Assessment Meetings