



1st International IRIS-Symposium on Hybrid Systems for Optics and Electronics – IRIS 1

July 13th - 14th, 2010

Location: Humboldt-Universität zu Berlin

Erwin-Schrödinger-Zentrum
Rudower Chaussee 26, 12489 Berlin-Adlershof



Symposium Chairs: Norbert Koch & Jürgen P. Rabe

Poster Session Chair: Sylke Blumstengel

Program

Tuesday, July 13th, 2010

09:00	Welcome & Introduction	Symposium Chair	
09:10	Assembling Molecules, Nano-Objects, and Living Systems	Luisa de Cola	Westfälische Wilhelms-Universität Münster, Germany
09:50	Phononics: Manipulating and Controlling Phonon (Heat) Transport	Baowen Li	National University of Singapore Singapore
10:30	Coffee Break		
11:10	Near-field Optical Imaging and Spectroscopy far beyond the Diffraction Limit: from Molecular Mono-Layers to Organic Semiconductor Films	Alfred Meixner	Erhard Karls-Universität Tübingen Germany
11:50	Near- and Far-Field Effects on Excited States at Organic Semiconductor / Metal Interfaces	Oliver L. A. Monti	University of Arizona, Tucson USA
12:30	Lunch		
14:00	Interface Energy Level Alignments for Understanding Characteristics of OLEDs and Related Devices	Yongsup Park	Kyung Hee University Korea

14:40	Poster Session & Coffee	Poster Session Chair	
16:30	Theoretical Investigation of Carrier Mobility in new Carbon Electronic Materials: a First-Principle Boltzmann Approach	Zhigang Shuai	Tsinghua University China
17:10	Multiscale Modeling of Organic and Inorganic Nanostructures	Fabio Della Sala	Institute of Nanoscience (CNR) and Centre for Biomolecular Nanotechnologies (IIT) Lecce, Italy

Wednesday, July 14th, 2010

09:00	Open a Door to the Mysteries at Organic-Device Interfaces: Detection of Ultralow Density-of-States in the Band Gap	Nobuo Ueno	Chiba University Japan
09:40	Modelling the Electronic Properties of Metal-Organic Interfaces	Egbert Zojer	Graz University of Technology Austria
10:20	Coffee Break		
11:00	Molecular Engineering of Organic and Nanostructured Devices	Cherie Kagan	University of Pennsylvania Philadelphia, USA
11:40	Architecture vs. Function Relationship in Supramolecular Nanomaterials for Organic Electronics	Paolo Samorì	Université de Strasbourg France
12:20	Printed Hybrid Materials for Sensor and Optoelectronic Devices	Emil List	Graz University of Technology Austria
13:00	Closing	Symposium Chair	