

Program

Monday, February 20

8:00 - 9:00 Registration

9:00 - 9:10 **Welcome, Opening Remarks**

Felix von Oppen

9:10 - 12:20 **Session 1**

9:10 - 9:50 **Christof Wöll** (Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany)
Remote Control in Interfacial Systems Chemistry: Photo-switchable Molecules Embedded in Self-Assembled Monolayers and Highly Porous Thin Films

9:50 - 10:30 **Petra Tegeder** (Freie Universität Berlin, Berlin, Germany)
Adsorption and Electronic Structure of Adsorbate/ Substrate Complexes: Influence on the Switching Ability

Coffee Break

11:00 - 11:40 **Leo Gross** (IBM Research, Zurich, Switzerland)
Molecular Switches Investigated with Atomic Resolution by Atomic Force Microscopy

11:40 - 12:20 **Sebastian Loth** (Center for Free-Electron Laser Science, Hamburg, Germany)
Dynamics in Few-Atom Nanomagnets Probed with Time-Resolved Scanning Tunneling Microscopy

12:20 - 15:00 **Lunch Break**

15:00 - 18:10 **Session 2**

15:00 - 15:40 **Rainer Haag** (Freie Universität Berlin, Berlin, Germany)
Switchable Amphiphiles on Gold and Carbon Surfaces

15:40 - 16:20 **Rafal Klajn** (Weizmann Institute of Science, Rehovot, Israel)
Directing the Assembly of Nanoparticles with Molecular Switches

Coffee Break

16:50 - 17:30 **Claudia Draxl** (Humboldt-Universität zu Berlin, Berlin, Germany)
Molecules on Surfaces Investigated from First Principles: From Adsorption to Opto-Electronic Properties and Optical Switching

17:30 - 18:10 **Peter Saalfrank** (Universität Potsdam, Potsdam, Germany)
Molecular Switches: From Structure to Kinetics and Dynamics

Dinner

Tuesday, February 21**9:00 - 12:10 Session 3**

9:00 - 9:40 **Wesley Browne** (University of Groningen, Groningen, The Netherlands)
Effect of Surface Immobilization on the Bimolecular Interactions and Conformational Chemistry of Electro- and Photoswitchable Molecules

9:40 - 10:20 **Stefan Hecht** (Humboldt-Universität zu Berlin, Berlin, Germany)
Exploiting Azobenzene Switches: Teaching an Old Dog Some New Tricks
Coffee Break

10:50 - 11:30 **Rainer Herges** (Universität Kiel, Kiel, Germany)
Magnetic Switching of Isolated Molecules at Room Temperature

11:30 - 12:10 **Nikos Doltsinis** (Westfälische Wilhelmsuniversität, Münster, Germany)
Connecting Quantum Events to Macroscopic Phenomena: Multiscale Simulation of Light-Driven Azo-Materials

12:20 - 15:00 Lunch Break**15:00 - 16:20 Session 4**

15:00 - 15:40 **Abraham Nitzan** (Tel Aviv University, Tel Aviv, Israel)
Optical Response and Charging Effects in Molecular Junctions

15:40 - 16:20 **Mark Hybertsen** (Brookhaven National Laboratory, Brookhaven, NY, U.S.A.)
Switching in Pyridine-Linked Single Molecule Junctions

16:30 - 19:00 Posters and Coffee**Dinner**

Wednesday, February 22

9:00 - 12:10 Session 5

9:00 - 9:40 **Malcolm Halcrow** (University of Leeds, Leeds, United Kingdom)
Spin-Crossover in Three and Two Dimensions

9:40 - 10:20 **Yann Garcia** (Université Catholique de Louvain, Louvain, Belgium)
Spin Transition Molecular Materials Based on Thermo and Photochromic Switches

Coffee Break

10:50 - 11:30 **Katharina Franke** (Freie Universität Berlin, Berlin, Germany)
Manipulation of Charge and Spin States in Single Molecules on Surfaces

11:30 - 12:10 **Richard Berndt** (Universität Kiel, Kiel Germany)
STM Investigation of a Bilayer of Spin-Crossover Molecules

12:10 - 12:20 Closing

Lunch and Departure