

International SFB658 Symposium: Molecular Switches and Functional Surfaces

Motzener See, April 11 – 13, 2016

April 11, 2016

9:30	Martin Weinelt	<i>FU Berlin</i>	Welcome and opening remarks
9:35	Rainer Herges	<i>U Kiel</i>	Function by switching
10:10 – 11:00		<i>Coffee break</i>	
11:00	Andreas Terfort	<i>U Frankfurt</i>	Switching the interactions between SAM-bound lectins and bacterial fimbriae
11:35	Dimas G de Oteyza	<i>DIPC San Sebastian</i>	Synthesizing functional materials by surface-supported chemistry
12:10	Takuzo Aida	<i>U Tokyo</i>	Novel stimuli-responsive materials
12:45 – 14:30		<i>Lunch break</i>	
14:30	Paul Weiss	<i>UC Los Angeles</i>	TBA
15:05	Thomas Bein	<i>LMU München</i>	Light-induced charge separation in covalent organic frameworks
15:40	Henry Dube	<i>LMU München</i>	In control of molecular motions: from photoswitches to molecular machines
16:15 – 17:00		<i>Coffee break</i>	
17:00	Nathalie Katsonis	<i>U Twente</i>	Molecular switches encoding complex photomechanical responses
17:35	Janina Maultzsch	<i>TU Berlin</i>	Interlayer vibrations in few-layer transition-metal dichalcogenides
18:10	Ermin Malic	<i>TU Berlin, Chalmers U</i>	Microscopic modelling of atomically thin 2D materials
19:00 – 20:30		<i>Dinner</i>	
20:30	Saw-Wai Hla	<i>Ohio U</i>	TBA
21:05	José Ignacio Pascual	<i>DIPC San Sebastian</i>	Switching the magnetism of atoms and molecules with hydrogen atoms

April 12, 2016

9:00	Johannes Barth	<i>TU München</i>	Design and manipulation of functional molecular nanosystems at interfaces
9:35	Markus Lackinger	<i>TU München</i>	Utilizing bond reversibility and self-assembly for the on-surface synthesis of 2D polymers
10:10 – 11:00		<i>Coffee break</i>	

11:00	Walter Pfeiffer	<i>U Bielefeld</i>	Optical near-field control on the nanoscale and beyond
11:35	Antonio Setaro	<i>FU Berlin</i>	Preserving π -conjugation in covalently functionalized SWNT for optoelectronic applications
12:10	Christian Papp	<i>U Erlangen</i>	Surface chemical reactions from small molecules to complex hydrogen carrier molecules
12:45 – 14:30		<i>Lunch break</i>	
14:30	Kirill Bolotin	<i>Vanderbilt U, FU Berlin</i>	Amplifying and visualizing molecular binding events using monolayer TMDCs
15:05	Petra Tegeder	<i>U Heidelberg</i>	Two-dimensional nonlinear optical switching materials
15:40	Matthias Bernien	<i>FU Berlin</i>	Exploring the photoswitching of adsorbed spiropyran and spin-crossover molecules by X-ray absorption spectroscopy
16:15 – 17:00		<i>Coffee break</i>	
17:00	Maurizio Persico	<i>U Pisa</i>	The photodynamics of SAMs of azocompounds: simulations highlight the role of packing and of defects
17:35	Pavel Jelinek	<i>CAS Prague</i>	Non-adiabatic molecular dynamics simulations of opening reaction in molecular junctions
18:10	Benjamin Heinrich	<i>FU Berlin</i>	Influence of chemical reactions and local potentials on spin properties of molecules on surfaces
19:00 – 20:30		<i>Dinner</i>	
20:30 – 22:00		Poster Session	

April 13, 2016

9:00	Ralph Krupke	<i>KIT Karlsruhe, TU Darmstadt</i>	Carbon nanotubes as waveguide-integrated light sources
9:35	Anna Fontcuberta i Morral	<i>EPFL Lausanne</i>	Semiconductor nanowire heterostructures and their photonic properties
10:10 – 11:00		<i>Coffee break</i>	
11:00	Cornelius Gahl	<i>FU Berlin</i>	Photoisomerization of azobenzene in self-assembled monolayers
11:35	Nicolás Lorente	<i>DIPC San Sebastian</i>	Long-range collective motion of CO molecules on Cu(111) induced by a scanning probe electric field
12:10	Friedrich Temps	<i>U Kiel</i>	Ultrafast dynamics of molecular switches in different environments
12:45	Martin Weinelt	<i>FU Berlin</i>	Closing remarks
12:50		<i>Lunch & Departure</i>	