

Program of Final Symposium of SFB658:
Elementary Processes in Molecular Switches at Surfaces

April 5, 2017

Chair: M. Weinelt	9:00	Ermin Malic	<i>Chalmers, Gothenburg</i>	Dark exciton based chemical sensors
	9:45	Petra Tegeder	<i>U Heidelberg</i>	Charge transfer and band formation at metal/organic interfaces
	10:30 – 11:00		<i>Coffee break</i>	
Chair: F. von Oppen	11:45	Michael Schmittel	<i>U Siegen</i>	Toward molecular cybernetics: Networking nanoswitches for catalysis and communication
	11:45	Michael Rohlfing	<i>U Münster</i>	Electronic spectra of layered materials and monolayer adsorbates
	12:30	Gaël Reecht	<i>FU Berlin</i>	STM study of electronic, transport and switching properties of a diarylethene molecule
	13:15 – 14:00		<i>Lunch break</i>	
Chair: S. Reich	14:00	Tillmann Klamroth	<i>U Potsdam</i>	Simulations for STM-driven elementary reactions on silicon surfaces
	14:45	Matthias Bernien	<i>FU Berlin</i>	X-ray absorption spectroscopy of magnetic and conformational molecular switches on surfaces
	15:30	Cornelius Gahl	<i>FU Berlin</i>	Photoisomerization of azobenzene in self-assembled monolayers
	16:15 – 16:45		<i>Coffee break</i>	
Chair: W. Kuch	16:45	Antonio Setaro	<i>FU Berlin</i>	Breaking dogmas on the carbon nanotubes functionalization
	17:30	Alfred J. Meixner	<i>U Tübingen</i>	Enhanced light-emission by hot-electron tunneling through a nano-gap
	18:30 – 20:30		Poster Session	
	20:30 –		<i>Informal get-together</i>	

April 6, 2017

Chair: R. Haag	9:00	Stefan Fölsch	<i>Paul-Drude-Institut</i>	Probing and manipulating single-molecule switching on semiconductor surfaces
	9:45	Clemens Laubschat	<i>TU Dresden</i>	Itinerant ferromagnetism at the surface of RRh_2Si_2 -type antiferromagnets (R = rare earth element)
	10:30 – 11:00		<i>Coffee break</i>	
Chair: K. Franke	11:00	Caterina Cocchi	<i>HU Berlin</i>	An ab initio many-body perspective on the excited-state properties of azobenzene-functionalized self-assembled monolayers
	11:45	Stefan Kowarik	<i>HU Berlin</i>	Supramolecular assemblies of molecular switches on surfaces: From a hindrance of switching to cooperativity and gain?
	12:30	Leonhard Grill	<i>U Graz</i>	Switching molecules at surfaces: vibrations, cooperativity, and motors
	13:15 – 14:00		<i>Lunch & Departure</i>	