

Control of Transport in Molecular Nanocontacts

SFB 767 Mini Symposium

March 26th-27th 2015 MPI Stuttgart (Room 2R4 Werner Köster Hörsaal MPI-IS)

Thursday	March 26th 2015	Friday	March 27th 2015
11:30 – 13:00	Registration & Lunch	Session 3	
13:00 – 13:15	Welcome in Room 2R4	09:00 – 09:45	Alexander Weismann, CAU Kiel
Session 1		T5	<i>Shot Noise as a probe of Spin-Polarized Transport through Single Atoms</i>
13:15 – 14:00	Emanuel Lörtscher, IBM Research Zurich <i>Experimental Investigation of Single Molecule Junctions: Electron transport and optics</i>	09:45 – 10:30	Jonas Fransson, Uppsala University <i>Electrical and Thermal Control of Magnetic Exchange Interactions in Molecular Magnetic Quantum Dots</i>
T1		T6	
14:00 – 14:45	Uta Schlickum, MPI-FKF <i>Molecular switches: Combination of local and parallel addressing of molecular units</i>	10:30 – 10:50	Pascal Stadler, Universität Konstanz <i>Ground-State Cooling of a Carbon Nanomechanical Resonator by Spin-Polarized Current</i>
T2			
14:45 – 15:05	David Weber, Universität Konstanz <i>Probing Molecular Transport by Multiple Andreev Reflections</i>	11:30 – 12:30	Lunch
15:05 – 16:00	Coffee Break	13:00 Lab tour of the new precision lab	
Session 2		Time for Coffee, Workgroups, Discussions	
16:00 – 16:45	Kristian Sommer Thygesen, TU Denmark <i>Controlling charge transport in molecules: redox chemistry and quantum interference</i>	18:00	(Open) End
T3			
16:45 – 17:30	Katharina Franke, FU Berlin <i>Magnetic properties of single molecules on surfaces probed by scanning tunneling spectroscopy</i>		
T4			
17:30 – 17:50	Matthias Muenks, MPI-FKF <i>Modulating the magnetic properties of Co hydrides</i>		
18:00 – 22:00	Dinner & Poster Session		

Organization: Matthias Munks (MPI Stuttgart, AG Kern) and David Weber (Universität Konstanz, AG Scheer)