

Workshop - Preliminary Program

June 13th - 15th 2013

Goslar

Hotel

www.der-achtermann.de

Address

DER ACHTERMANN
Rosentorstraße 20
D-38640 Goslar

Thursday 13th

Time	Speaker	Title
14:00	Rolf Haug (Universität Hannover)	Introduction and P4: Interaction Effects in Contacting Semiconducting Nanostructures
14:30	Klaus Ensslin (ETH Zürich)	Imaging of integer and fractional quantum Hall edge states
15:20	Gertrud Zwicknagl (Technische Universität Braunschweig)	Kondo effect in quantum dots with magnetic fields
15:40	Katharina Janzen (Technische Universität Braunschweig)	Interplay between RKKY and Kondo in quantum dots
16:00	Coffee break	
16:30	Hans Kroha (Universität Bonn)	Generic extended 2-channel Kondo phase of a rotational quantum defect in a Fermi-sea: a NRG study
17:20	Winfried Daum (Technische Universität Clausthal)	P1: Energy conversion processes in molecular systems at nanocontacts
18:10	Tobias Voss (Universität Bremen)	Hybrid ZnO nanowire structures: surface excitons and coupling processes at the heterointerface
19:00	Dinner	
20:30	Poster session	

Friday 14th

Time	Speaker	Title
9:00	Hans-Peter Steinrück (Universität Erlangen-Nürnberg)	In situ studies of surface reactions: from small molecules to hydrogen carriers and graphene
9:50	Andreas Waag (Technische Universität Braunschweig)	P3: Spin and charge dynamics at surfaces and interfaces in wide gap semiconductor nanostructures
10:40	Coffee break	
11:00	Fabian Hassler (RWTH Aachen)	The Majorana Hubbard Model: Majorana zero modes stabilized by interaction
11:50	Patrick Recher (Technische Universität Braunschweig)	P2: Quantum impurities in contact to a complex environment
12:30	Lunch	
14:00	Christoph Stampfer (RWTH Aachen)	Graphene quantum devices
14:50	Martin Aeschlimann (Universität Kaiserslautern)	Spinterfaces: Spin filtering at metal-organic interfaces
15:40	Bernd Kästner (Physikalisch-Technische Bundesanstalt)	Counting statistics and energy of electrons emitted from few-electron quantum dots
16:30	Coffee break	
16:50	Peter Lemmens (Technische Universität Braunschweig)	Scattering processes in spin-orbit dominated systems based on inelastic light scattering experiments
17:10	Hao Shen (Technische Universität Braunschweig)	Self-powered nanosensors
17:30	Klaus Stallberg (Technische Universität Clausthal)	Two-photon PEEM study of porphyrin thin films in contact with plasmonic silver structures
17:50	Alexander Heine (Universität Hannover)	Study of mixed-valence regime in quantum dots
18:10	Niklas Liebing (Physikalisch-Technische Bundesanstalt)	Thermoelectric effects in magnetic tunnel structures
18:40	Dmitri Smirnov (Universität Hannover)	Aharonov-Bohm effect in an electron-hole graphene ring system
19:00	Dinner	
20:30	Poster session	

Saturday 15th

Time	Speaker	Title
9:00	Carsten Ronning (Universität Jena)	Semiconductor nanowires for optoelectronics
9:50	Jan von Delft (Universität München)	Microscopic Origin of the 0.7-Anomaly in Quantum Point Contacts
10:40	Coffee break	
11:00	Edward McCann (Lancaster University)	Electrons in bilayer and trilayer graphene
11:50	Ulrich Zeitler (Radboud University Nijmegen)	Novel two-dimensional electron systems in high magnetic fields: oxide heterostructures, graphene and topological insulators
12:40	Closing	
13:00	Lunch	