

Summer school

"Magnetism on a Molecular Scale: Experiment and Theory"

We would like to invite you to participate at and to contribute to the SFB 668 and TRR 88 summer school "Magnetism on a Molecular Scale", which will take place from the **17th to the 19th of September 2014 in Hamburg**. This summer school is primarily directed towards grad students and post-docs and we encourage you to share your scientific results in form of a talk or a poster. There is no registration fee.

Registration

Please fill in the registration form on our website:

[www.sfb668.de/aktuelles/veranstaltungen/
summer_school_2014](http://www.sfb668.de/aktuelles/veranstaltungen/summer_school_2014)

All registrations, cancellations and alterations must be sent to the Workshop Office.

Venue

Dept. of Chemistry, University of Hamburg,
Martin-Luther-King-Platz 6, 20146 Hamburg, Germany

Workshop Language

The workshop will be held in English.

Workshop Office

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Organizers

Bernhard Bugenhagen (PhD-Student)
Tabea Buban (PhD-Student)

and SFB 668 - Collaborative Research Center on "Magnetism:
from a single atom to nanostructures" of the *University of
Hamburg*.

Scientific Program

Wednesday, September 17th

- 13.00 Opening Registration
14.00 Welcome-coffee
15.00 **Keynote: Roland Wiesendanger** (University of Hamburg):
"Spintronics at the Single-Molecule Level"
16.30 **Maciej Bazarnik** (University of Hamburg):
"Addressing the Metal Centers of Single- and Multi-Spin-Center Macromolecules on Ferromagnetic Graphene Based Substrates"
17.00 Get-Together

Thursday, September 18th

- 09.00 **Keynote: Thorsten Glaser** (University of Bielefeld):
"Introduction to Magnetochemistry"
10.30 **Markus Schmitz** (TU Kaiserslautern):
"Redox-Induced Changes of the Ligand Field in Octahedral Complexes"
10.50 **Manuel Reh** (TU Kaiserslautern):
"Investigations of the Magnetic Properties of Homodinuclear π -Radical-Bridged 3d Transition Metal Ion Complexes"
11.10 Coffee-Break
11.30 Lecture: **Richard Berndt** (University of Kiel):
"tba"
12.30 **Jens Brede** (University of Hamburg):
"Long-range Magnetic Coupling between Nanoscale Organic-Metal Hybrids Mediated by a Nanoskyrmion Lattice"
13.00 Lunch
14.30 **Keynote: Annie Powell** (KIT, Karlsruhe):
"Incorporation of Highly Anisotropic Ions into Coordination Clusters in the Search for Enhanced Single-Molecule Magnets"

- 16.00 **Irina Kühne** (KIT, Karlsruhe):
"The Influence of para-Substituted Benzoate Ligands on the Magnetic Properties of isostructural $Fe^{III}_6Dy^{III}_3$ Rings"
16.20 **Sebastian Schmidt** (KIT, Karlsruhe):
"How Strong is the Magnetic Field Exhibited by Lanthanoid Dimers?"
16.40 Coffee-Break
17.10 Lecture: **Hans-Jörg Krüger** (TU Kaiserslautern):
"tba"
18.10 **Bernhard Bugenhagen** (University of Hamburg):
"Oligonuclear Model-Complexes Towards Molecular Spin-Chains"
18.30 **Manuel Steinbrecher** (University of Hamburg):
"Investigating the magnetism of single Fe atoms affected by Hydrogenation"
19.00 Poster-Session with BBQ

Friday, September 19th

- 09.00 Lecture: **Marc Prosenč** (TU Kaiserslautern):
"Spin-Delivery and Switches"
10.00 Lecture: **Carmen Herrmann** (University of Hamburg):
"Electron Spin Coupling in Molecules"
11.00 Coffee-Break
11.30 **Sarah Puhl** (University of Hamburg):
"Cobaltocene as Building Block for Spin-Chains"
11.50 **Tabea Buban** (University of Hamburg):
"Synthesis and Magnetic Properties of Homotrinary Iron/Cobalt-Complexes"
12.10 **Fabian Rupp** (TU Kaiserslautern):
"Femtosecond Time-Resolved Photo-Induced Spin Switch in a Co(II)dioxolene Complex in Solution"
12.30 Closing Remarks, departure

The scientific program is provisional.