

PhD program „*Synthesis and Characterisation of Surfaces and Interfaces assembled from Clusters and Molecules*” at the University of Osnabrück

Workshop

Wednesday, 21st November 2007

Magnetism in Solids and Molecules

(Physics building room 32/110)

Program :

13:00 – 13:05 **Opening and Introduction of the members** (Apl. Prof. Manfred Neumann)

1st Session (Chair Prof. Dr. Lorenz Walder)

13:05 – 13:35 *Magneto-calorics of magnetic molecules*
(**Prof. Dr. Jürgen Schnack**, University of Bielefeld)

13:35 – 13:50 *Approximate spectra for magnetic molecules with sublattice structure*
(Roman Schnalle)

13:50 – 14:05 *XMCD on magnetic molecules* (Manuel Prinz)

14:05 – 14:20 *XAS and XMCD calculations: Theory and Experiment* (Christian Taubitz)

14:20 – 14:35 *Electron paramagnetic resonance spectroscopy on proteins using side directed spinlabeling* (Christoph Abé)

14:35 – 14:45 *A dendrimer with multiple switchable radicals* (Alina Constantin)

14:45 – 15:15 *The world is not enough! - Spin dynamics simulations for magnetic nanostructures on a global scale*
(**Prof. Dr. Christian Schröder**, University of Applied Sciences Bielefeld)

15:15 – 15:45 **Coffee break**

2nd Session (Chair Prof. Dr. Joachim Wollschläger)

15:45 – 16:15 *Local magnetic moments in Mn based alloys and intermetallic compounds*
(**Prof. Dr. Marin Coldea**, Babes-Bolyai University Cluj, Romania)

16:15 – 16:30 *Spin Resolved X-ray Photoelectron Spectroscopy* (Martin Suendorf)

16:30 – 16:45 *Magneto Optical Kerr Effect MOKE* (Timo Kuschel)

16:45 – 17:00 *Angle-Dependent X-Ray Magnetic Linear Dichroism* (Michael Räkers)

17:00 – 17:15 *Collinear and Noncollinear solutions of Mn₆/Fe system from a semiempirical calculation* (Huahai Tan)

17:15 – 17:45 **Final statements and coffee break**

Open End

Everybody who is interested is more than welcome to join the Workshop!