

# Workshop Programme

**Wednesday, 23. 1. 2008**

**08:00** Registration, mounting of posters **Location: FLASH lecture hall, Bldg. 28c**

**09:00** Welcome **Location: FLASH lecture hall, Bldg. 28c**

## **Session 1: Coherence and Correlations**

Chair: Jochen R. Schneider (*Stanford Linear Accelerator Center, USA*)

**09:10** **Eric D. Isaacs** (*Center for Nanoscale Materials, Argonne National Laboratory, USA*)  
New Results on an Old Metal: Slow Dynamics using Coherent X-rays

**09:50** **Christian Schüßler-Langeheine** (*Universität zu Köln, Germany*)  
Soft X-ray Resonant Diffraction from Transition-Metal Oxides

**10:30** **Simone Streit-Nierobisch** (*Deutsches Elektronen Synchrotron, Hamburg, Germany*)  
Magnetic Imaging of Co/Pt Multilayer and Co/Pt Nanostructures by X-ray Holography

**10:55** Coffee break + Posters

## **Session 2: Magnetic Structure and Ordering**

Chair: Christoph Quitmann (*Paul Scherrer Institut, Swiss Light Source, Switzerland*)

**11:25** **Jörg Stempfer** (*Deutsches Elektronen Synchrotron, Hamburg, Germany*)  
Magnetic and Orbital Order in Ruthenates Investigated by Resonant X-ray Diffraction

**12:05** **Yves Bodenthin** (*Paul Scherrer Institut, Swiss Light Source, Switzerland*)  
Manipulating the Magnetic Structure by Electric Fields in Multiferroic  $\text{ErMn}_2\text{O}_5$

**12:30** **Gerhard Wortmann** (*Universität Paderborn, Germany*)  
Magnetism and Mixed Valence at Extreme Pressures:  
 $^{151}\text{Eu}$  Nuclear Forward Scattering from EuO, EuS and EuSe up to 120 GPa

**12:55** Lunch (buffet served in bldg. 28c)

## **Session 3: Thin Films and Interfaces**

Chair: Michael Martins (*Universität Hamburg, Germany*)

**14:15** **Jacques Chakalian** (*University of Arkansas, USA*)  
Orbital Reconstruction and Covalent Bonding at Oxide Interfaces

**14:55** **Tomasz Slezak** (*University of Science and Technology, Krakow, Poland*)  
Depth-Resolved Magnetization Structure at the Spin Reorientation Transition in Fe/W(110) Ultrathin Films

**15:35** **Marek Przybylski** (*Max-Planck Institut für Mikrostrukturphysik, Halle, Germany*)  
Strongly Enhanced Orbital Moment and Perpendicular Anisotropy  
by Reduced Lattice Symmetry of  $\text{Fe}_{1-x}\text{Co}_x$  Alloy Films

**16:00** Coffee break + Posters

**Session 4: New Magnetic Materials** (dedicated to the memory of Franz Ulrich Hillebrecht)  
Chair: Hubert Ebert (*Ludwig-Maximilians Universität München, Germany*)

- 16:30** **Claus M. Schneider** (*Forschungszentrum Jülich, Germany*)  
Magnetism at Interfaces
- 17:10** **Hendrik Ohldag** (*Stanford Synchrotron Radiation Laboratory, USA*)  
X-rays and Magnetism: A Perfect Match
- 17:50** **Hartmut Zabel** (*Universität Bochum, Germany*)  
XRMS Investigations of Spintronic Materials
- 18:15** **Poster session**
- 19:45** **Dinner**

**Thursday, 24. 1. 2008**

**Location: DESY main lecture hall, Bldg. 5**

**Session 5: Ultrafast Magnetization Dynamics and Switching**  
**(Common session with the 2<sup>nd</sup> XFEL Users Meeting)**

Chair: Claus M. Schneider (*Forschungszentrum Jülich, Germany*)

- 09:00** **Herrmann Dürr** (*BESSY, Berlin, Germany*)  
Femtosecond Electron Localization and Transfer of Angular Momentum in Ferromagnetic Ni
- 09:40** **Yves Acremann** (*PULSE center, Stanford Linear Accelerator Center, USA*)  
Magnetization Reversal by Spin Torque: Towards a Unified Picture
- 10:20** **Wolfgang Kuch** (*Freie Universität Berlin, Germany*)  
Time-Resolved X-ray Spectromicroscopic Study of Magnetization Dynamics in Magnetic Microstructures
- 10:45** **Coffee break**
- 11:05** **Guido Meier** (*Universität Hamburg, Germany*)  
Soft X-ray Microscopy of Domain-Wall and Magnetic Vortex Motion Driven by Spin-Torque
- 11:45** **Andrei Kirilyuk** (*University of Nijmegen, The Netherlands*)  
Ultrafast All-Optical Magnetic Recording: A Beaten Challenge
- 12:25** **Closing remarks**