

XRMS09

X-Ray Spectroscopy of Magnetic Solids

January 19th-20th, 2009,
Synchrotron SOLEIL Auditorium
L'Orme des Merisiers, Saint-Aubin, France

Programme

Monday, January 19th

- 11:45 - 13:45 *Registration & lunch at SOLEIL canteen*
- 13:45 – 14:00 Welcome
- 14:00 – 14:45 Imaging of exchange bias in Co/FeMn bilayers on the nm length scale
F. Kronast (BESSY - Berlin)
- 14:45 – 15:30 Soft x-ray magnetic scattering and holography imaging of perpendicular exchange coupled FM/AFM systems
J. Camarero (Universidad Autonoma de Madrid)
- 15:30 – 15:55 Imaging switching behavior of patterned media by resonant X-ray holography
B. Pfau (BESSY - Berlin)
- 15:55 – 16:20 X-ray spectromicroscopy of magnetic single nanocrystals
A. Fraile Rodriguez (SLS - Villigen)
- 16:20 – 17:00 *Coffee break – Poster session*
- 17:00 – 17:25 Magnetism of iron submicron stripes controlled by a self-organized MnAs template
M. Marangolo (INSP - Paris)
- 17:25 – 17:50 Non-collinear spin structure in ultrathin PLD grown Fe/Cu(001) observed by resonant soft X-ray reflectivity
H.L. Meyerheim (MPI - Halle)
- 17:50 – 18:15 Utilizing the huge anisotropic X-ray magnetic linear dichroism in transition metal systems
G. Van der Laan (Diamond - Didcot)
- 18:15 – 19:00 The LSDA+DMFT method to deal with correlation effects in magnetic solids and its use in spectroscopy
J. Minar (University of Munich)
- 19:00 – 21:00 *Poster session & Buffet dinner*
- 21:00 *Bus departure to Le Guichet (RER B) / Orsay Hotel / Gif-sur-Yvette*

Tuesday, January 20th

- 07:45 – 08:45 *Bus from Gif-sur-Yvette / Orsay Hotel / Le Guichet (RER B) to SOLEIL*
- 08:30 – 09:00 *Coffee*
- 09:00 – 09:45 X-ray detected magnetic resonance: New challenges
J. Goulon (ESRF - Grenoble)
- 09:45 – 10:30 Using soft X-rays to study magnetization dynamics
C. H. Back (Universität Regensburg)
- 10:30 – 10:55 Femtosecond dynamics of spin and orbital angular momentum in nickel
C. Stamm (BESSY - Berlin)
- 10:55 – 11:30 *Coffee break – Poster session*
- 11:30 – 12:15 Potential of multiferroic materials for spintronics
A. Barthelemy (Thales - Palaiseau)
- 12:15 – 13:00 Physics in manganites by resonant x-ray scattering, from 1998 and on
S. Grenier (Institut Néel - Grenoble)
- 13:00 – 13:45 *Lunch at SOLEIL canteen*
- 13:45 – 14:15 *Coffee – Poster session*
- 14:15 – 15:00 Magnetic memory of molecules grafted on gold: A step forward in molecular spintronics
R. Sessoli (University of Florence)
- 15:00 – 15:25 Bonding, backbonding and spin-polarized molecular orbitals: Basis for magnetism and semiconducting transport in $V[TCNE]_{x-2}$
J. B. Kortright (LBNL - Berkeley)
- 15:25 – 15:50 XMCD studies of paramagnetics
A. Rogalev (ESRF - Grenoble)
- 15:50 – 16:20 *Coffee break*
- 16:20 – 16:45 Imaging ferroelectric domains in multiferroics with low-energy electrons
S. Cherifi (institut Néel - Grenoble)
- 16:45 – 17:10 Excitation and switching of magnetic vortices with rotating currents
M. Martens (Universität Hamburg)
- 17:10 – 17:55 Soft X-ray microscopy of nanomagnetism
P. Fischer (LBNL - Berkeley)
- 17:55 – 18:40 Interactions between spin currents and nanoscale magnetic elements probed by synchrotron techniques
M. Kläui (Universität Konstanz)
- 18:40 – 19:00 *Closing session*
- 19:00 – 21:00 *Buffet dinner*
- 21:00 *Bus departure to Le Guichet (RER B) / Orsay Hotel / Gif-sur-Yvette*