

Workshop Programme

Tuesday, 6 February 2007 in the CNRS Amphitheater (Bâtiment A)		
08:30	Registration	
09:00	Welcome	
	<u>Introduction and Theory</u>	
09:15 - 10:00	Dynasync - Some Facts and Figures	J. Korecki Krakow, Poland
10:00 - 10:30	Calculations of Surface Phonons	K. Parlinski Krakow, Poland
10:30	Coffee break in the "Maison des Magistères"	
	<u>GROWTH AND DYNAMICS</u>	
	Fast Dynamics (Phonons)	
11:00 - 11:30	Phonons: from Bulk to Monolayers	S. Stankov Grenoble, France
11:30 - 12:00	Atomic Vibrations in Iron Nanoclusters	B. Roldan Cuenya - Florida, USA
12:00 - 12:30	IXS: Surface Phonons	B. Murphy Kiel, Germany
12:30 - 14:00	Lunch in the H2 restaurant (between ESRF and CNRS)	
	Slow Dynamics	
14:00 - 14:30	Rotational Dynamics of Ferrocene in Two Mircorporous Zeotypic Hosts	T. Asthalter - Stuttgart, Germany
14:30 - 15:00	Diffusion in FePt and FePd Systems	M. Rennhofer Vienna, Austria
15:00 - 15:30	Anisotropic Coarsening Dynamics Revealed by X-ray Photon Correlation Spectroscopy	L. Stadler Hamburg, Germany
15:30	Coffee break in the "Maison des Magistères"	
	Growth and Structure	
16:00 - 16:30	X-ray Waveguides to Study the Magnetism of ^{57}Fe Nanoparticles in a Polymer Matrix	K. Schlage Rostock, Germany
16:30 - 17:00	X-ray Diffraction on Semiconductor Nanostructures: from Ensemble Average to single Object Properties	H. Metzger Grenoble, France
17:00 - 17:30	Structural and Magnetic Aspects in Fe-based Nanostructures using ^{57}Fe Mössbauer Spectrometry	J.M. Greneche Le Mans, France
19:00	Bus departure in front of the Guesthouse	
19:30	Workshop dinner at the Restaurant "La Corne d'Or"	

**Wednesday, 7 February 2007
in the ESRF Auditorium**

09:00 - 12:30 Users Meeting Plenary Sessions in the Auditorium

Workshop resumes in the afternoon with joint sessions of XRMS2007 and the Nano-scale materials workshop in the Auditorium

	Commun Session with XRMS 2007	
	Introduction to Methods and Applications	
14:00 - 14:40	X-rays and Magnetism - From Fundamentals to Nanoscale Dynamics	J. Stöhr Stanford, USA
14:40 - 15:20	Introduction to Nuclear Resonant Scattering and its Applications	R. Rüffer Grenoble, France
15:30	Coffee break	
16:00 - 16:40	Introduction Magnetic Scattering and its Applications	D. McMorrow London, UK
16:40 - 17:10	Overview of Magnetic Nanoclusters: Case Studies of FePt and Co/CoO Nanocrystals (3-10 nm)	M. Farle Duisburg-Essen, Germany
17:10 - 17:40	The Exchange-bias Phenomenon in the Light of Nuclear Resonant Scattering	R. Röhlsberger Hamburg, Germany
17:40 - 18:10	XMCD Analysis for the Study of rare Earth Intermetallics Nanosystems	K. Dumesnil Nancy, France
18:10	Cocktail & Joint poster session: Users Meeting - Satellite Workshops	
20:00	Users meeting dinner & Best Poster Award in the ESRF restaurant on site	

**Thursday, 8 February 2007
in the CNRS Amphitheater (Bâtiment A)**

	<u>MAGNETISM</u>	
	Surfaces and Multilayers	
09:00-09:30	Structure and Magnetism in Ultrathin Films	H. Elmers Mainz, Germany
09:30-10:00	Non-collinear Interlayer Coupling in Multilayers consisting of Iron and its Native Oxide	T. Diederich Hamburg, Germany
10:00-10:30	Growth and Spin Structure of Ultrathin Fe Films on W(110)	T. Slezak Krakow, Poland
10:30	Coffee break in the "Maison des Magistères"	
	Exchanged-biased Systems	
11:00-11:30	Field-induced Effects in Fe/Cr(100) Multilayers	J. Meersschant Leuven, Belgium
11:30-12:00	Energy-resolved Nuclear Resonant Magnetometry	N. Planckaert Leuven, Belgium
12:00 - 13:30	Lunch in the H2 restaurant (between ESRF and CNRS)	
	Microscopy and Dynamics	
13:30-14:00	Real Space Imaging of Nanoscale Co Islands on Cu(111) by Spin Polarized Scanning Tunneling Spectroscopy	O. Pietzsch Hamburg, Germany
14:00-14:30	Frontiers of Magnetism on the nm Length and fs Time Scales	H. Dürr Berlin, Germany
14:30-15:00	Spin Transport	G. Bayreuther - Regensburg, Germany
15:00	Coffee break in the "Maison des Magistères"	
	Magnetic Domains	
15:30-16:00	Patterned Magnetic Nanostructures as seen by Magneto-optics, Neutrons and X-rays	H. Zabel Bochum, Germany
16:00-16:30	Dynamics of Magnetic Domains	D. Nagy Budapest, Hungary
16:30-17:00	Magnetic Domains: Theory and Evaluation of Diffuse Resonant Photon and Neutron Scattering	L. Deak - KFKI Budapest, Hungary
17:00-17:30	Concluding Remarks and Future Perspectives	A.I. Chumakov - Grenoble, France