



Workshop Program

Monday, July 2nd, 2012

17:00 – 19:00

Reception and registration at the GEP Pavillon (ETH Main building, close to the terrace)

	Tuesday July, 3 rd , 2012	Wednesday July, 4 th , 2012	Thursday July, 5 th , 2012	Friday July, 6 th , 2012
09:00	Opening	J. Verbeeck: Electron microscopy on magnetic nanostructures	P. Pianetta: X-Ray spectroscopy on nano- materials	M. Despont: M(N)EM Switch technologies for RF and Logic applications
09:30	J. Wiebe: Tailoring ground states and dynamics of bottom-up engineered nanomagnets	K. Hayashi: Atomic resolution holography with electron beam	G. Martinez-Criado: Hyperspectral nanoimaging using X-rays	A. Bojko: Fabrication of ultrathin nanoporous silicon membranes
10:00	A. Kirilyuk: Magnetism of Tb clusters	N. Yamamoto: High resolution cathodoluminescence	Stefan Eisebitt: X-ray holography for the study of nanostructure dynamics	Break
10:30	Break	Break	Break	U. Duerig: Direct write thermal probe patterning of polymeric films
11:00	L. Nasi : Transmission electron microscopy study of nanostructured semiconductors	C. McNeill : Characterising nanostructured polymer devices with soft x-rays	O. Hellwig : Nano-technology and nano-spectroscopy for characterizing magnetic recording media	H. Shigekawa: Imaging of transient carrier dynamics by nanoscale pump-probe microscopy
11:30	F. Bianco: 1D Silicon nanolines in monohydride Si(001) surface	M. Kazemian Abyaneh: X-ray microscopes for model fuel cells	A. Kleibert: Magnetic properties of individual iron nanoparticles	Closing & Introduction to NSS8
12:00	P. Carrozzo: Electronic properties of Ti and TiOx nanoislands on Au	A. Kafi: Conductive hybrid network to biosensing	T. Kinoshita: Pump-probe time-resolved PEEM at SPring-8	
12:30	Lunch	Lunch	Lunch	
13:30	Lunch	Lunch	Lunch	
14:00	T. Jung: Electronic and spin states in metal-organic supramolecular materials at surfaces	F. Donati: Giant anisotropies of single Co atoms on graphene/Pt(111)	A. Schirmeisen : Understanding friction on nanoscale	Visit of PSI
14:30	J. Dreiser: Towards spintronics with Er molecular magnets	K. Winkler: PEEM on heterogeneous graphene/SiC	S. Heun: Scanning Gate Microscopy imaging	
15:00	S. Martens: Molecular interactions of perylenes on surfaces	C. Kuo: Epitaxial graphene by STM and resonant spectroscopy	M. Kisiel: Non-contact friction over metal-superconductor	
15:30	Break	F. Matsui: Atomic structure visualizations of graphene	Break	
16:00	Poster until 18:00	Break	K. Horiba: 3D nano ESCA at Spring 8	
16:30		V. Sandoghdar : Optical sensing and spectroscopy down to single molecule level	L. Gregoratti: SPEM for micro- and nano-material characterization	
17:00		O. Scholder: Fabrication of tunable plasmonic antennas	T. Ohkochi: PEEM on insulating samples	
17:30		Workshop Dinner 19:00 - 22:30	N. Pilet: Combining scanning probe and X-ray microscopy	

Sessions:

Low Dim (& graphene)	Semiconductors	Molecules	Polymer and devices
Magnetism	Scanning probe technique	Optical techniques	X-ray techniques
Electron techniques	Fabrication	Poster	Forum - Excursion