7th International Workshop on Nano-scale Spectroscopy and Nanotechnology

July 2, 2012 - July 6, 2012

ETH Zurich and PSI

Scientific Program

The workshop will have plenary sessions with invited and contributed papers presented orally, as well as a poster session. A conference dinner and an excursion to PSI will be organized around the workshop. Below you find a coarse classification of the workshop topics, this will be refined with the abstract subjects submitted.

NEW: Schedule (28. June 2012)

Book of abstracts (28. June 2012)

Invited speakers

P.A. Pianetta X-Ray spectroscopy on nano- materials	SLAC Stanford
M. Despont M(N)EM Switch Technologies for RF and Logic Applications	IBM Rüschlikon
Ch. McNeill Characterising nanostructured polymer devices with soft x-rays	Monash University
T. Jung Electronic and Spin States in Metal-Organic Supramolecular Materials at Surfaces: Spectro Microscopy Correlation Experiments	Paul Scherrer Institut
O. Hellwig Nano-technology and Nano-spectroscopy for magnetic recording media	Hitachi Global Storage Technologies, San Jose Research Center
L. Nasi Transmission electron microscopy study of nanostructured semiconductors	Inst. for Materials in Electronics and Magnetism
V. Sandoghdar Optical sensing and spectroscopy down to the single-molecule level	Max-Plack Inst. for the Physics of Light, Erlangen
A. Schirmeisen Understanding friction on the nanoscale	University Giessen
H. Shigekawa Imaging of transient carrier dynamics by nanoscale pump-probe microscopy	University Tsukuba
J. Verbeeck Electron microscopy on magnetic nanostructures	University Antwerp
J. Wiebe Tailoring ground states and dynamics of bottom-up engineered nanomagnets	University Hamburg
F. Donati Giant Anisotropies of single Co atoms on graphene/Pt(111)	EPFL

Topics

Nano-Tools

- Electrons
- Visible light
- X-Rays
- Scanning Probe
- Fabrication

Nano-Materials

- Semiconductors
- Molecules
- Polymers and organic electronics
- Magnetism
- Nano-dots