

Joint annual meeting of Swiss and Austrian Physical Societies 2017

Wednesday, 23 August 2017

Magnetism and Spintronics at the Nanoscale: I: Nanomagnetism - Room 4 (17:00 - 19:00)

time	[id] title	presenter
17:00	[436] □801□ Spintronics with topologically charged structures – vortex sensors for speed wheel sensors to the potential of skyrmion storage	SÜSS, Dieter
17:30	[150] □802□ Achiral tilted domain walls in perpendicularly magnetized nanowires	BOEHM, Benedikt
17:45	[109] □803□ The triangular-lattice, Ising antiferromagnet with dipolar interactions: tuning a classical spin liquid	Dr SMERALD, Andrew
18:00	[351] □804□ Angular Dependent Magnetization Dynamics of Quasicrystalline Nanomagnet Lattices	Mr BHAT, Vinayak S
18:15	[148] □805□ Direct investigation of microstructure and magnetism of individual cobalt nanoparticles	SAVCHENKO, Tatiana M.
18:30	[197] □806□ Antiferromagnetic order probed in individual goethite nanoparticles	Mr BRACHER, David M.
18:45	[399] □807□ Time- and spatially-resolved magnetization dynamics driven by spin-orbit torques	Mr BAUMGARTNER, Manuel

Friday, 25 August 2017

Magnetism and Spintronics at the Nanoscale: II: Dynamics and Magnetoelectric Effects - Room 13 (11:15 - 13:45)

time	[id] title	presenter
11:15	[437] 811 Using quantitative Magnetic Force Microscopy to assess average and local values of Dzyaloshinskii-Moriya interaction	Prof. HUG, Hans-Josef
11:45	[331] 812 Creating Skyrmions with Electric Fields: Experiment and Theory	KRUCHKOV, Alex
12:00	[359] 813 Probe magnetism in an ultrafast transmission electron microscope: skyrmion creation by optical pulses in FeGe	BERRUTO, Gabriele
12:15	[177] 814 Nanoscale magnetic ratchets based on shape anisotropy	Dr CUI, Jizhai
12:30	[232] 815 Magnetoelectric coupling between ultrathin Fe films and Pb (Mg _{1/3} Nb _{2/3} O ₃) (1-x)-[PbTiO ₃] x, x=0.32 (001) (PMN-PT)	AVULA VENKATA, Sridhar Reddy
12:45	[303] 816 Electric field control of magnetism through field effects in perpendicularly magnetized multilayers	Mr VIJAYAKUMAR, Jaianth
13:00	[341] 817 Tuning Ferromagnetism at Room Temperature by Visible Light	Dr NÁFRÁDI, Bálint
13:15	[319] 818 Spin Hall effect measured by magneto-optical Kerr microscopy	Dr STAMM, Christian
13:30	[365] 819 Time-resolved X-ray detected ferromagnetic resonance with spatial resolution using scanning X-ray microscopy	Mr SCHAFFERS, Taddäus