

Annual meeting of the Swiss Physical Society 2018

Wednesday 29 August 2018

Magnetism and Spintronics at the Nanoscale: I - CE 1 (13:30 - 16:00)

time	[id] title	presenter
13:30	[169] □801□ Single Atom Magnets at Surfaces	BRUNE, Harald
14:00	[234] □802□ Chemically selective reorganization of molecular Bi-layers films driven by molecule-substrate interactions	Mr HEYDARI, Mehdi
14:15	[69] □803□ Antiferromagnetic properties of individual goethite nanoparticles studied by temperature and orientation-dependent X-ray spectromicroscopy	BRACHER, David M.
14:30	[52] □804□ Imaging scale-invariant antiferromagnetic textures in a nickel oxide	PELLICIARI, Jonathan
14:45	[79] □805□ Imaging the magnetization reversal in strongly exchange-coupled bilayers	Dr MANDRU, Andrada-Oana
15:00	[37] □806□ Damping Modulation in Magnetic Thin Films	Dr SAHA, Susmita
15:15	[148] □807□ Skyrmion formation in SRO-SiO epitaxial bilayer	Dr BACANI, Mirko
15:30	[278] □808□ Asymmetric domain wall nucleation in DMI coupled in-plane and out-of-plane magnetic wires	DAO, Phuong
15:45	[133] □809□ Edge states in graphene: spin polarization and how to protect them	Mr KINIKAR, Amogh

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Magnetism and Spintronics at the Nanoscale: II - CE 1 (14:00 - 16:30)

time	[id] title	presenter
14:00	[73] □811□ Magnetic domain walls – from basics to applications	Dr ALLENSPACH, Rolf
14:30	[25] □812□ Velocity enhancement by synchronization of magnetic domain walls	Dr HRABEC, Ales
14:45	[168] □813□ Chiral coupling between in-plane and out-of-plane nanomagnetic patterns induced by interfacial Dzyaloshinskii-Moriya interaction	Dr LUO, Zhaochu
15:00	[279] □814□ Spin-orbit torque induced domain switching in antiferromagnet/ferromagnet heterostructures	KRISHNASWAMY, Gunasheel
15:15	[280] □815□ Effects of oxidation on the spin-orbit torques and topological domain textures in ultrathin Pt/Co/AlOx layers	FENG, Junxiao
15:30	[200] □816□ Emergent Dynamic Chirality in a Thermally Driven Artificial Spin Ratchet	GLIGA, Sebastian
15:45	[77] □817□ Exploration of Topological Defects in Kagome Artificial Spin Ice via Magnetic Force Microscopy and Brillouin Light Scattering Spectroscopy	Dr BHAT, Vinayak Shantaram
16:00	[89] □818□ Nanoscale Magnetic Imaging of Artificial Spin Ices Using Single Spins in Diamond	HEDRICH, Natascha
16:15	[27] □819□ Phase diagram of dipolar-coupled XY moments on disordered square lattices	SCHILDKNECHT, Dominik