

Annual meeting of the Swiss Physical Society 2018

Wednesday, August 29, 2018

Magnetism and Spintronics at the Nanoscale: I - CE 1 (1:30 PM - 4:00 PM)

time	[id] title	presenter
1:30 PM	[169] □801□ Single Atom Magnets at Surfaces	BRUNE, Harald
2:00 PM	[234] □802□ Chemically selective reorganization of molecular Bi-layers films driven by molecule-substrate interactions	Mr HEYDARI, Mehdi
2:15 PM	[69] □803□ Antiferromagnetic properties of individual goethite nanoparticles studied by temperature and orientation-dependent X-ray spectromicroscopy	BRACHER, David M.
2:30 PM	[52] □804□ Imaging scale-invariant antiferromagnetic textures in a nickel oxide	PELLICIARI, Jonathan
2:45 PM	[79] □805□ Imaging the magnetization reversal in strongly exchange-coupled bilayers	Dr MANDRU, Andrada-Oana
3:00 PM	[37] □806□ Damping Modulation in Magnetic Thin Films	Dr SAHA, Susmita
3:15 PM	[148] □807□ Skyrmion formation in SRO-SIO epitaxial bilayer	Dr BACANI, Mirko
3:30 PM	[278] □808□ Asymmetric domain wall nucleation in DMI coupled in-plane and out-of-plane magnetic wires	DAO, Phuong
3:45 PM	[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 (2:00 PM - 4:30 PM)

time	[id] title	presenter
2:00 PM	[73] □811□ Magnetic domain walls – from basics to applications	Dr ALLENSPACH, Rolf
2:30 PM	[25] □812□ Velocity enhancement by synchronization of magnetic domain walls	Dr HRABEC, Ales
2:45 PM	[168] □813□ Chiral coupling between in-plane and out-of-plane nanomagnetic patterns induced by interfacial Dzyaloshinskii-Moriya interaction	Dr LUO, Zhaochu
3:00 PM	[279] □814□ Spin-orbit torque induced domain switching in antiferromagnet/ferromagnet heterostructures	KRISHNASWAMY, Gunasheel
3:15 PM	[280] □815□ Effects of oxidation on the spin-orbit torques and topological domain textures in ultrathin Pt/Co/AlOx layers	FENG, Junxiao
3:30 PM	[200] □816□ Emergent Dynamic Chirality in a Thermally Driven Artificial Spin Ratchet	GLIGA, Sebastian
3:45 PM	[77] □817□ Exploration of Topological Defects in Kagome Artificial Spin Ice via Magnetic Force Microscopy and Brillouin Light Scattering Spectroscopy	Dr BHAT, Vinayak Shantaram
4:00 PM	[89] □818□ Nanoscale Magnetic Imaging of Artificial Spin Ices Using Single Spins in Diamond	HEDRICH, Natascha
4:15 PM	[27] □819□ Phase diagram of dipolar-coupled XY moments on disordered square lattices	SCHILDKNECHT, Dominik