

Session Program

4-8 Sept 2023



Joint Annual Meeting of the Swiss and Austrian Physical Society 2023

Spintronics and Magnetism at the Nanoscale

Wednesday 6 September

17:00

Spintronics and Magnetism at the Nanoscale: I

Session | **Location:** Room 115

17:00–17:30

【601】 High-Sensitivity and quantitative Magnetic Force Microscopy for the Analysis of Magnetic Multilayers supporting Skyrmions

Speaker

Hans Josef Hug

17:30–17:45

【602】 Developing Metallic Multilayers Hosting Different Skyrmion Types Toward Local Control via Electric Fields

Speaker

Loghman Jamilpanah

17:45–18:00

【603】 Nanomagnets for manipulation of spin qubits

Speaker

Michele Aldeghi

18:00–18:15

【604】 Domain wall qubits on magnetic racetracks

Speaker

Dr Ji Zou

18:15–18:30

【605】 Orbital-torque-induced switching of perpendicular magnetization

Speaker

Dr Min-Gu Kang

18:30–18:45

【606】 Spin-orbit torques and thermal contributions to spin transport in CoFeB/LaTiO₃/SrTiO₃

Speaker

Lauren Riddiford

18:45–19:00

【607】 Spin-orbit control of antiferromagnetic domains without a Zeeman coupling

Speaker

Marek Bartkowiak

19:00–19:15

【608】 Interfacing antiferromagnets with different magnetic ordering

Speaker

Xanthe Verbeek

19:15–19:30

【609】 Propagating Spin-Wave Spectroscopy Studies in a Millikelvin Temperature Environment

19:30

Speaker

David Schmoll

Thursday 7 September

14:00

Spintronics and Magnetism at the Nanoscale: II

Session | **Location:** Room 115

14:00–14:30

【611】 The Spin-wave Asymmetry in Confined Rectangular Ni₈₀Fe₂₀ Microstrips

Speaker

Santa Pile

14:30–14:45

【612】 Propagating spin-wave spectroscopy in a liquid-phase epitaxial nanometer-thick YIG film at millikelvin temperatures

Speaker

Dr Sebastian Knauer

14:45–15:00

【613】 Fast isotropic exchange spin waves in Ga:YIG for future magnonic networks

Speaker

Dr Khrystyna Levchenko

15:00–15:15

【614】 Influence of paramagnetic GGG substrate on YIG films at millikelvin temperatures

Speaker

Rostyslav Serha

15:15–15:30

【615】 Non-reciprocal magnonic directional coupler

Speaker

Noura Zenbaa

15:30–15:45

【616】 Probing magnetic coupling of spins on surfaces using EPR-STM

Speaker

Aishwarya Vishwakarma

15:45–16:00

【617】 Modelling the dynamics and consequences of frustrated magnetism in the hexagonal manganites

Speaker

Tara Tasic

16:00–16:15

【618】 X-ray Linear Dichroic Tomography

Speaker

Andreas Apseros

16:15–16:30

【619】 Three-Dimensional Characterization of the Metamagnetic Phase Transition in B2-Ordered FeRh

16:30

Speaker

Jamie Robert Massey