

Program

Wednesday, 06 January 2021

08:45	Jakob Walowski Felix Büttner Bastian Pfau	Welcome & opening remarks
09:00 – 09:35	Ho Pin	Stability and manipulation of Skyrmions in multilayer nanostructures
09:35 – 09:55	Erick Burgos Parra	Field dependence of hybrid chiral textures in Ferromagnetic multilayers
09:55 – 10:30	Giovanni Finocchio	Skyrmion stabilization in hybrid multilayers and skyrmion-caloritronics
10:30 – 10:45	Networking	
10:45 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:35	Denys Makarov	Curvilinear magnetism: From curvature induced magnetochirality to shapeable magnetoelectronics
11:35 – 11:55	Michael Heigl	Dipolar-stabilized first and second-order antiskyrmions in ferrimagnetic multilayers
11:55 – 12:30	Yuriy Mokrousov	Spin chirality: a functional variable of magnetic materials
12:30 – 12:45	Networking	
12:45	<i>LUNCH BREAK</i>	
14:00 – 16:00	Poster session 1	
16:00 – 16:35	Tony Zhou	A magnon scattering platform
16:35 – 17:10	Hans Hug	Coexistence of two Skyrmion phases in hybrid ferro/ferrimagnetic multilayers observed by quantitative MFM
17:10 – 17:45	P. Chris Hammel	Microscale characterization of ferromagnets: Dynamics and interfacial interactions

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09:00 – 09:35	Xiuzhen Yu	Manipulation and control of nanometric topological spin textures
09:35 – 09:55	Kenta Hagiwara	Spin and orbital texture of the Weyl semimetal MoTe_2 studied by spin-resolved momentum microscopy
09:55 – 10:30	Jeffrey McCord	Magneto-optical imaging on different length- and timescales
10:30 – 10:45	Networking	
10:45	<i>COFFEE BREAK</i>	
11:00 – 11:35	Simone Finizio	Nucleation dynamics of chiral magnetic textures studied with time-resolved X-ray microscopy
11:35 – 11:55	Aurore Finco	Imaging non-collinear antiferromagnetic textures via single spin relaxometry
11:55 – 12:30	Markus Weigand	Advanced methods for magnetic scanning X-ray microscopy
12:30 – 12:45	Networking	
12:45	<i>LUNCH BREAK</i>	
14:00 – 16:00	Poster session 2	
16:00 – 16:35	Kirsten von Bergman	Zero-field magnetic skyrmions in model-type systems studied with STM
16:35 – 17:10	Kai Litzius	Universal high-speed dynamics of bubble skyrmions in an uncompensated amorphous ferrimagnet
17:10 – 17:45	Networking Event	

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Friday, 08 January 2021

09:00 – 09:35	Timo Kuschel	Impact of thermal conductivity in insulators on thermally induced spin currents
09:35 – 09:55	Jonathan Kipp	The chiral hall effect in canted ferromagnets and antiferromagnets
09:55 – 10:30	Matthias Althammer	Observation of antiferromagnetic magnon pseudospin dynamics and the Magnon Hanle effect
10:30 – 10:45	Networking	
10:45	<i>COFFEE BREAK</i>	
11:00 – 11:35	Sangeeta Sharma	Ultrafast spin dynamics: ab-initio description
11:35 – 11:55	Martin Schultze	Driving spin dynamics with the electric field of light
11:55 – 12:30	Daniel Steil	Optically induced intersite spin transfer in ferromagnetic alloys and compound systems
12:30	Jakob Walowski Felix Büttner Bastian Pfau	Closing remarks & awards