

Program

Sunday, January 7th , 2018

17:00 – 21:00 Registration

From 18:30 *DINNER / Informal get together*

Monday, January 8th , 2018

07:30 *BREAKFAST*

08:45 – 09:00 Yuriy Mokrousov
Dmitry Turchinovich
Martin Weides

Welcome and opening

09:00 – 09:45 Jure Demsar

**Néel Spin Orbit Torque driven
antiferromagnetic resonance in Mn₂Au
probed by time-domain THz
spectroscopy**

09:45 – 10:30 Mirko Cinchetti

**The vision of optical control of
molecular spinterfaces**

10:30 – 11:00 *COFFEE BREAK and discussions*

11:00 – 11:45 Mathias Kläui

Topological Spin Structure Dynamics

11:45 – 12:30 Stefan Mathias

**Ultrafast spin-current induced band-
structure evolution and magnon
generation in photo-excited Co/Cu**

12:30 – 12:40 **Conference Photo** (in the foyer of the lecture hall)

12:40 *LUNCH*

Program

Monday, January 8th, 2018

14:00 – 14:45	Yutaka Tabuchi	Sensing magnetization oscillation in quantum regime
14:45 – 15:15	Andrea Eschenlohr	Femtosecond spin-dependent charge transfer at Co/Cu(001) interfaces
15:15 – 16:00	Tom Seifert	Terahertz spintronics: exploiting ultrafast spin currents in magnetic heterostructures
16:00 – 16:30	Ofer Kfir	Nanoscale Magnetic Imaging using Circularly Polarized High-Harmonic Radiation
16:30 – 17:00	<i>COFFEE BREAK</i>	
17:00 – 18:30	Shot-gun talks	
18:30	<i>HERAEUS DDINNER</i> <i>(cold & warm buffet, free beverages)</i>	
20:00	Poster Session (open end)	

Program

Tuesday, January 9th, 2018

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Silvia Viola Kusminkiy	Non-linear dynamics and magnetic textures in cavity optomagnonics
09:45 – 10:30	Can-Ming Hu	Cavity Spintronics
10:30 – 11:00	<i>COFFEE BREAK and discussion</i>	
11:00 – 11:45	Mathias Weiler	Spin dynamics in a chiral magnonic crystal
11:45 – 12:30	Markus Münzenberg	Manipulating magnetism with light: From FePt to spin structures and vortex patterns
12:30	<i>LUNCH</i>	
14:00 – 14:45	Stuart Parkin	Spinorbitronics in complex spin systems
14:45 – 15:15	Isabelle Boventer	Temperature dependence of YIG magnon-photon polaritons down to milliKelvin temperatures
15:15 – 15:45	Hans Huebl	Controlling the Collective Coupling in Spin-Photon Hybrids
15:45 – 16:30	Roser Valenti	Engineering spin-orbit-coupled materials
16:30 – 17:00	<i>COFFEE BREAK</i>	
17:00	Poster Session	
18:30	<i>DINNER</i>	
20:00	Frank Wilhelm	Solid-state quantum computing: Where are we, where do we go?

Program

Wednesday, January 10th, 2018

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Stefan Blügel	Chiral Magnetic Skyrmions and Bobbers at Interfaces
09:45 – 10:30	Jakub Zelezny	Spin-polarized current and magnetic spin Hall effect in non-collinear antiferromagnets
10:30 – 11:00	<i>COFFEE BREAK and discussion</i>	
11:00 – 11:45	Timo Kuschel	Experimental determination of the magnon spin diffusion length by the nonlocal and local spin Seebeck effect
11:45 – 12:30	Yuriy Mokrousov Dmitry Turchinovich Martin Weides	Poster award Impulse talk award and Closing Remarks
12:30	<i>LUNCH</i>	

End of the seminar and Farewell Coffee / Departure

Breakfast for those leaving on Thursday