

Program

Tuesday, January 3rd, 2017

17:00 – 21:00 Registration

From 18:30 *DINNER / Informal get together*

Wednesday, January 4th, 2017

07:30 *BREAKFAST*

08:45 – 09:00 Tobias Kampfrath **Welcome and opening**
Stefan Mathias
Mathias Weiler

09:00 – 09:45 Pietro Gambardella **Spin-orbit torques:
fast and controversial**

09:45 – 10:30 Stefan Eisebitt **Manipulating Magnetization with
Pulses of Light**

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

11:00 – 11:45 Dmitry Turchinovich **Spin-Resolved Terahertz
Spectroscopy**

11:45 – 12:30 Alexander Mook **Magnon Hall transport in topological
magnon matter from spin dynamics
simulations**

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

12:40 *LUNCH*

Program

Wednesday, January 4th, 2017

14:00 – 14:45	Christian Back	Spin orbit fields at the Fe/GaAs(001) interface
14:45 – 15:15	Eva Schmoranzero	Time-resolved magneto-optics as a probe of magnetization dynamics in YIG/Bi₂Se₃ heterostructures
15:15 – 16:00	Martin Weinelt	Transient electronic structure and ultrafast spin-dependent electron dynamics in lanthanide metals
16:00 – 16:30	Henning Ulrichs	Spin-current manipulation of photoinduced magnetization dynamics in Ta CoFeB based nanostructures
16:30 – 17:00	<i>COFFEE BREAK</i>	
17:00 – 18:30	Impulse talks	
18:30	<i>DINNER</i>	
20:00	Poster Session (open end)	

Program

Thursday, January 5th, 2017

- 08:00 *BREAKFAST*
- 09:00 – 09:45 Vincent Cros **Room temperature stabilization of sub-100 nm magnetic skyrmions and spin torque induced motion in nanotracks**
- 09:45 – 10:30 Bärbel Rethfeld **Spin-resolved ultrafast electron dynamics in laser-excited itinerant ferromagnets**
- 10:30 – 11:00 *COFFEE BREAK and discussion*
- 11:00 – 11:45 Yuri Mokrousov **Theory of Dzyaloshinskii-Moriya Interaction and Spin-Orbit Torques in Solids**
- 11:45 – 12:30 Vasily Temnov **Magnetic effects in plasmonics and acoustics**
- 12:30 *LUNCH*
- 14:00 – 14:45 Tomas Jungwirth **Antiferromagnetic spintronics**
- 14:45 – 15:15 Helmut Schultheiß **Magnon Transport in Spin Textures**
- 15:15 – 15:45 Olena Gomonay **Detection of terahertz pulses by parametric excitations of an antiferromagnetic oscillator**
- 15:45 – 16:30 Sangeeta Sharma **Laser induce ultrafast spin dynamics: a time-dependent density functional theory perspective**
- 16:30 – 17:00 *COFFEE BREAK*
- 17:00 **Discussion**
- 18:30 *HERAEUS DINNER*
(cold & warm buffet, free beverages)
- 20:00 **Poster Session (open end)**

Program

Friday, January 6th, 2017

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Uwe Bovensiepen	Photo-excited spin current induced magnetization dynamics in epitaxial metallic heterostructures analyzed in all optical pump-probe experiments
09:45 – 10:30	Mark Stiles	Spin transport at interfaces with spin-orbit coupling
10:30 – 11:00	<i>COFFEE BREAK and discussion</i>	
11:00 – 11:45	Peter Oppeneer	Theory of coherent laser-induced magnetization and of damping mechanisms in LLG spin dynamics
11:45 – 12:30	Tobias Kampfrath Stefan Mathias Mathias Weiler	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 Saturday