

# Program

**Tuesday, 07 January 2020**

17:00 – 21:00    Registration

18:00            *BUFFET SUPPER and get-together*

**Wednesday, 08 January 2020**

08:00            *BREAKFAST*

08:45 – 09:00    Scientific organizers    **Welcome & opening remarks**

09:00 – 09 :45    Andras Kovacs            **Quantitative measurements of magnetic fields in a transmission electron microscope**

09:45 – 10:30    Claire Donnelly            **Mapping three dimensional magnetic systems**

10:30 – 11:00    *COFFEE BREAK*

11:00 – 11:45    Christian Tusche            **Electron correlations and Fermi surface topology of itinerant ferromagnets mapped by momentum microscopy**

11:45 – 12:15    Sergey Zayko                **Ultrafast magneto-optical microscopy using high-harmonic radiation**

12:15 – 12:30    **Conference Photo** (in the front of the lecture hall)

12:30            *LUNCH*

# Program

Wednesday, 08 January 2020

14:00 – 14:45	Aisha Aqeel	<b>New skyrmion resonance modes in a chiral magnetic insulator</b>
14:45 – 15:30	Markus Meinert	<b>Role of thermal activation in the spin-orbit torque switching of antiferromagnets</b>
15:30 – 16:00	Artem Pulkin	<b>Electronic and spin transport properties of two-dimensional transition metal dichalcogenides</b>
16:00 – 16:45	Evangelos Papaioannou	<b>Defect engineering of spintronic terahertz emitters</b>
16:45 – 17:15	<i>COFFEE BREAK</i>	
17:15-18:30	<b>1-Slide Poster Presentations</b>	
18:45	<i>HERAEUS DINNER</i> <i>(social event with cold &amp; warm buffet with complimentary drinks)</i>	
20:00	<b>Poster Session</b>	

# Program

Thursday, 09 January 2020

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Olena Gomonay	<b>Magnon transport in antiferromagnets: the role of domains</b>
09:30 – 10:15	Patrick Maletinski	<b>Probing nanoscale magnetism using single spin</b>
10:15 – 10:45	<i>COFFEE BREAK</i>	
10:45 – 11:30	Sangeeta Sharma	<b>Ultrafast spin dynamics: TDDFT's killer app.</b>
11:30 – 12:15	Ulrike Ritzmann	<b>High-frequency magnon excitation due to femtosecond spin-transfer torques</b>
12:30	<i>LUNCH</i>	
14:00 – 14:45	Boris Divinskiy	<b>Controlled nonlinear magnetic damping in spin-Hall nano-devices</b>
14:45 – 15:15	Katrin Schultheiß	<b>Stimulated 3-magnon scattering in magnetic vortex structures</b>
15:15 – 16:00	Tobias Kampfrath	<b>Terahertz spin transport in magnetic nanostructures</b>
16:00 – 16:45	Alexander Mook	<b>Origin of the magnetic spin Hall effect: spin current vorticity in the Fermi sea</b>
16:45 – 17:15	<i>COFFEE BREAK</i>	
17:15 – 18:30	<b>Poster Session</b>	
19:00	<i>DINNER</i>	
20:00 – 20:45	Kevin Garello	<b>Spin-Orbit Torque MRAM for ultrafast embedded memories: from fundamentals to large scale technology integration and future challenges</b>

# Program

**Friday, 10 January 2020**

08:00	<i>BREAKFAST</i>	
09:00 – 09 :45	Can Onur Avci	<b>Electrical manipulation and detection of magnetic insulators with perpendicular anisotropy</b>
09 :45 – 10:30	Hans Huebl	<b>Controlling magnon transport in ferrimagnetic insulators</b>
10:30 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:45	Felix Büttner	<b>Electrical and optical manipulation of magnetic skyrmions and chiral domain walls</b>
11:45 – 12:15	Rouven Dreyer	<b>Phase-resolved imaging of non-linear spin-wave generation at low magnetic bias field</b>
12:15 – 12:30	Scientific organizers	<b>Closing Remarks &amp; Awards</b>
12:45	<i>LUNCH</i>	

**End of the seminar and departure**

*NO DINNER for participants leaving on Saturday morning*