

Spins, Waves and Interactions 2019

Program (Venue: Krupp Kolleg Greifswald)

Sep 03, 2019

From 19:00 on: Dinner at Brasserie Hermann, Gützkower Str. 1

Sep 04, 2019

Chair: Hans Werner Schumacher

9:00 Ulrike Ritzmann Lengthscales of magnon currents in various magnetic materials

9:30 Romain Lebrun Efficient magnonic spin transport in insulating antiferromagnets

10:00 Martin Evers Spin superfluidity in atomistic spin models: comparing easy-plane ferro- and antiferromagnets

10:30 - 11:00 Coffee break

Chairs: Tobias Kampfrath, Hans Huebl

11:00 Georg Woltersdorf N.N.

11:30 Ilie Radu Ultrafast Control of Spins with THz radiation

12:00 Phoebe Tengdin Femtosecond measurement of direct light-induced spin transfer

12:30 - 14:30 Lunch

Chair: Sebastian Goennenwein

14:30 Eva Schmoranzero Magnetization Dynamics in Metal Structures on Flexible Substrate

15:00 Libor Smejkal Crystal Hall effect and topological quasiparticles in antiferromagnets

15:30 Helena Reichlova Magneto-thermal transport in non-collinear antiferromagnets

16:00 Coffee Break

16:30 Postersession

19:00 Dinner: Goldmarie, Fischstr. 11



Sep 05, 2019

Chair: Markus Münzenberg

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| 9:00 | Sangeeta Sharma | Ultrafast magnetization dynamics: time-dependent density functional theory's killer app |
| 9:30 | Martin Schultze | Lightwave Spintronics |
| 10:00 | Eleftherios Goulielmakis | Laser picoscopy of solids |

10:30 - 11:00 Coffee break

Chair: Olav Hellwig

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| 11:00 | Rantej Bali | Nanoscale Ferromagnetism in Alloy Thin Films via Lattice Disorder |
| 11:30 | Gregor Hlawacek | Tailoring magnetic nanostructures with a He-Ne ion microscope |
| 12:00 | Arno Ehresmann | Ion bombardment induced design of magnetic stray-field landscapes over magnetic thin film systems for magnetic particle transport |

12:30 Excursion starts, Organizer: Markus Münzenberg