



SPINCALORITRONICS VIII

Conference 2017, Regensburg

Sunday, June 11 2017

Arrival

Monday, June 12 2017

09:00 - 09:35 K. v. Bergmann Manipulation of interface-induced Skyrmions studied with STM
 09:35 - 10:10 V. Cros Nucleation, motion and detection of sub-100 nm skyrmions in magnetic multilayers

10:10 - 10:50 Coffee break

10:50 - 11:25 A. Hoffmann Unidirectional spin-torque driven magnetization dynamics
 11:25 - 12:00 G. Reiss Tunneling Magneto-Seebeck effect with Heusler compound electrodes
 12:00 - 12:20 V. Popescu Ab initio investigations of magnetothermoelectric properties of Heusler alloys

Lunch 12:20-14:00

14:00 - 14:35 G.E.W. Bauer Spin caloritronics with YIG
 14:35 - 15:10 T. Kuschel Spin Seebeck effect, anomalous Nernst contributions, and nonlocal magnon spin transport in Pt/NiFe₂O₄
 15:10 - 15:30 P. Kelly Temperature-dependence of the interface properties of NM|FM interfaces

15:30 - 16:10 Coffee break

16:10 - 16:45 J. Barker Atomistic calculations in spin caloritronics
 16:45 - 17:20 S. Gönnerwein Spin Nernst Effect in Platinum
 17:20 - 17:40 A. Mook Transverse Magnon Transport from Spin Dynamics Simulations
 17:40 - 18:00 U. Nowak Dynamics of magnetic textures in temperature gradients

18:00-19:30 Poster session

Tuesday, June 13 2017

09:00 - 09:35 T. Kampfrath Ultrafast spin caloritronics enables efficient emitters of terahertz radiation
 09:35 - 10:10 S. Maekawa Theory of Heat and Spin Current

10:10 - 10:50 Coffee break

10:50 - 11:25 R. Duine Magnon spin transport in antiferromagnets
 11:25 - 12:00 J. Wunderlich Nano scale thermo-electrical detection of magnetic domain wall propagation

12:00 - 12:20 U. Ritzmann Thermal spin currents in antiferromagnets and FM-AFM- multilayers

Lunch 12:20-14:00

14:00 - 14:35 A. Kamra Non-integer-spin magnonic excitations in untextured magnets

14:35 - 15:10 M. Münzenberg Tunneling-magneto Seebeck effect 2.0

15:10 - 15:30 W. Belzig Spin-dependent transport at superconductor-ferromagnet interfaces

15:30 - 16:10 Coffee break

16:10 - 16:45 F. Freimuth Thermal and electrical spin-orbit torques in collinear and noncollinear magnets

16:45 - 17:20 P. Gambardella Time- and spatially-resolved magnetization dynamics driven by spin-orbit torques

17:20 - 17:40 V. Basso Non equilibrium thermodynamics of the spin Seebeck and spin Peltier effects

17:40 - 18:00 S.O. Demokritov Reconfigurable heat-induced spin wave lenses

18:00-19:30 Poster session

Wednesday, Juny 14 2017

09:00 - 09:35 B. van Wees Insulator spintronics in YIG

09:35 - 10:10 E. Saitoh Spin liquid and spin Seebeck effect

10:10 - 10:50 Coffee break

10:50 - 11:25 O. Klein Spin conductance of YIG thin films driven from thermal to subthermal magnons

11:25 - 12:00 A. Aqeel Spin-Hall magnetoresistance in multidomain helical spiral systems

12:00 - 12:20 K. Ganzhorn Non-local magnon transport in ferrimagnetic insulators

Lunch 12:20-13:30

14:00 Excursion: Boat trip to Wallhalla

19:00 Conference Dinner

Thursday, June 15 2017

09:00 - 09:35 J. Heremans Thermal Transport in Weyl Semimetals

09:35 - 10:10 B. Zink Thermal spin transport, injection, and interactions: Degrees of (dis)order

10:10 - 10:30 R. Kovacik Spin disorder effect on the electronic properties of NiMnSb and Mn₂CoAl

10:30 - 11:10 Coffee break

11:10 - 11:30 S. Srichandan Magnon scattering in transport coefficients of CoFe alloys

11:30 - 11:50 T. Wagner Noise-based approximation of thermal spin-injection in Fe/GaAs

11:50 - 12:25 C. Ciccarelli Non-equilibrium spin generation in ferromagnets and anti-ferromagnets

12:25 - 12:30 C. Back Closing Remarks

Lunch 12:30-14:00

14:00 Departure