



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	E. Saitoh	Spin liquid and spin Seebeck effect
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

Tuesday, June 13 2017

09:00 - 09:35	T. Kampfrath	Ultrafast spin caloritronics enables efficient emitters of terahertz radiation
09:35 - 10:10	C. Ciccarelli	Non-equilibrium spin generation in ferromagnets and anti-ferromagnets

10:10 - 10:50 Coffee break

10:50 - 11:25	R. Duine	Magnon spin transport in antiferromagnets
11:25 - 12:00	U. Ritzmann	Thermal spin currents in antiferromagnets and FM-AFM- multilayers
12:00 - 12:20	H.W. Schumacher	Domain walls in thermal gradients

Lunch 12:20-14:00

14:00 - 14:35	A. Kamra	Non-integer-spin magnonic excitations in untextured magnets
14:35 - 15:10	M. Müzenberg	Tunneling-magneto Seebeck effect 2.0
15:10 - 15:30	W. Belzig	Domain walls in thermal gradients

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

20:00 Poster session

Wednesday, Juny 14 2017

09:00 - 09:35	B. van Wees	Insulator spintronics in YIG and NFO
09:35 - 10:10	O. Klein	Spin conductance of YIG thin films driven from thermal to subthermal magnons

10:10 - 10:50 Coffee break

10:50 - 11:25	T. Kuschel	Spin Seebeck effect, anomalous Nernst contributions, and nonlocal magnon spin transport in Pt/NiFe ₂ O ₄
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 Mn ₂ CoAl

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	S. Maekawa	Theory of Heat and Spin Current
12:25 - 12:30	C. Back	Closing Remarks

Lunch 12:30-14:00

14:00 Departure