



The 29th REIMEI and ERATO-SQR Workshop on “Spin Orbit
Coupling and Spin Mechanics”
23rd - 24th October 2015



Location: University of Mainz, Staudinger Weg 7, Germany

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Program

Friday 23 October

12:30-13:00 *Jairo Sinova, SPICE Director – Opening Address*

SESSION 1: Spin Seebeck Effect and Magnetic Insulator (Chair: Jairo Sinova)

13:00-13:30 *Sadamichi Maekawa, JAEA – Efficiency and Enhancement of Spin Seebeck Effect*

13:30-14:00 *Burkard Hillebrands, TU Kaiserslautern – Spin Transport Using Magnon Gases*

14:00-14:30 *Mathias Kläui, University of Mainz – TBA*

14:30-15:00 *Gerhard Jakob, University of Mainz – Thermal conductivities in YIG*

15:00-15:30 *Coffee Break*

SESSION 2: Spin Hall Effect and Spin-Orbit Torque (Chair: Jun'ichi Ieda)

15:30-16:00 *Michiyasu Mori, JAEA – Spin Hall Effect in Cu Alloys and Phonon Hall Effect: Skew Scattering of Electrons and Phonons*

16:00-16:30 *Tim Ziman, ILL Grenoble – Spin Hall Effect and Skew Scattering in Co-operatively Ordered Magnetic Systems*

16:30-17:00 *Jairo Sinova, University of Mainz – Spin-Orbit torques*

19:00-21:00 *Dinner at the restaurant Eisgrub Bräu, Weißliliegasse 1A, 55116 Mainz*

Saturday 24 October

SESSION 3: Spin Current Generation (Chair: Burkard Hillebrands)

10:30-11:00 *Eiji Saitoh, Tohoku University – Spin Current Generation*

11:00-11:30 *Mamoru Matsuo, JAEA – Mechanical Generation of Spin Current*

11:30-12:00 *Yuki Shiomi, Tohoku University – Spin Pumping Experiments in Topological Insulators and Skyrmion Crystals*

12:00-13:30 *Lunch*

SESSION 4: Magnetic Property (Chair: Eiji Saitoh)

- 13:30-14:00** *Hiroshi Yasuoka, MPI Dresden – NMR in Skyrmion Phase*
- 14:00-14:30** *Jun'ichi Ieda, JAEA – Interface Magnetic Anisotropy Induced by Rashba Effect*
- 14:30-15:00** *Helen Gomonay, University of Mainz – Antiferromagnetic Spintronics*
- 15:00-15:30** *Coffee Break*

SESSION 5: Young Scientists (Chair: Mathias Kläui)

- 15:30-15:45** *Yuta Yamane, University of Mainz – Spin Transports in Dynamical Antiferromagnetic textures*
- 15:45-16:00** *Peng Yan, University of Mainz – Thermodynamic Magnon Recoil for Domain wall motion*
- 16:00-16:15** *Robert Reeve, University of Mainz – Spin currents and spin dynamics*
- 16:15-16:30** *Benjamin Krüger, University of Mainz – Skyrmion*
- 16:15-16:30** *Kyujee Lee, University of Mainz – Spin-orbit Torque*
- 17:30-18:00** **Closing Remark by the Chair of REIMEI Research Sadamichi Maekawa**
- 19:00-21:00** *Dinner at the restaurant*