

	Sunday, May 19	Monday, May 20	Tuesday, May 21	Wednesday, May 22	Thursday, May 23	Friday, May 24	
8:30		Conference welcome					
8:45		Gerrit E. W. Bauer: Spin caloritronics (Review & Outlook talk)	Burkard Hillebrands: Macroscopic magnonic quantum state effects (Review & Outlook talk)	Sebastian T. B. Gönnerwein: Nernst effects (Review & Outlook talk)	Günter Reiss: Tunnel magneto-Seebeck effect (Review & Outlook talk)	Axel F. Hoffmann: Thermal Spin Currents in Antiferromagnets (Review & Outlook talk)	
9:30		Rafael Ramos	Akashdeep Kamra	Masamitsu Hayashi	Benedetta Flebus	Andy Thomas	
10:00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	
10:30		Chia-Ling Chien	Arunava Gupta	Ashwin Tulapurkar	Stefan Krause	Joseph Barker	
11:00		Joseph P. Heremans	Tao Yu	Markus Münzenberg	Tristan da Câmara Santa Clara Gomes	Maxim V. Mostovoy	
11:30		Sadamichi Maekawa	Excursion incl. lunch	Juan-Carlos Rojas-Sánchez	Tim Böhnert	Romain Lebrun	
12:00		Lunch break		Lunch break & poster change over	Lunch break	Conference closure	
12:30						Departure	
13:45		Rembert A. Duine: Nonlocal magnon spin transport (Review & Outlook talk)		posters #1 - #13	Ken-ichi Uchida: Spin Seebeck & Peltier effects (Review & Outlook talk)	David G. Cahill: Thermal transport by electrons, phonons, and magnons (Review & Outlook talk)	posters #14 - #26
14:30		Barry L. Zink			Sérgio M. Rezende	Ulrike Ritzmann	
15:00		Koichi Oyanagi			Alessandro Sola	Saül Vélez	
15:30		Coffee break	Coffee break		Coffee break		
16:00		Matthias Althammer	Geert Hoogeboom		Jing Shi		
16:30		Jing Liu	Roberto C. Myers		Xiufeng Han		
17:00		Wei Han	Free time	Vitaliy I. Vasyuchka	Dirk Grundler		
17:30	Welcome at Van	poster session & reception	Conference dinner	End of day	End of day		
19:00	Swinderen Huys	(all posters #1 - #26)					
20:00	End of day	End of day					
21:30			End of day				

Welcome & closure
Invited Review & Outlook talks
Invited talks
Contributed talks
Social events, networking, breaks

Sunday, May 19, 2019

- 17:30 Welcome reception at the conference venue Van Swinderen Huys
(Oude Boteringestraat 19, 9712 GC Groningen)
- 20:00 End of day

Monday, May 20, 2019

- 08:30 Bart J. van Wees (Groningen University), Timo Kuschel (Bielefeld University)
Conference welcome
- 08:45 Gerrit E. W. Bauer (Tohoku University)
Spin Caloritronics (Review & Outlook talk)
- 09:30 Rafael Ramos (Tohoku University)
Spin currents in antiferromagnetic and nearly-compensated ferrimagnetic insulators
- 10:00 Coffee break
- 10:30 Chia-Ling Chien (Johns Hopkins University)
Spin-to-Charge Conversion
- 11:00 Joseph P. Heremans (Ohio State University)
Spin-Seebeck effect in the organic ferromagnet VTCNE
- 11:30 Sadamichi Maekawa (RIKEN)
Spin current generation by spin-rotation coupling
- 12:00 Lunch break
- 13:45 Rembert A. Duine (Utrecht University)
Non-local magnon spin transport (Review & Outlook talk)
- 14:30 Barry L. Zink (University of Denver)
Non-local Spin Transport in Disordered Magnetic Systems: Mechanisms and Magnetism
- 15:00 Koichi Oyanagi (Tohoku University)
Spin transport in insulators without exchange stiffness
- 15:30 Coffee break
- 16:00 Matthias Althammer (WMI Garching)
Spin transport in a charge current induced magnon Bose-Einstein condensate at room temperature
- 16:30 Jing Liu (University of Groningen)
Magnon Transport and Dynamics in Magnetic Insulator
- 17:00 Wei Han (Peking University)
Experimental signatures of spin superfluid ground state
- 17:30 Poster session (all posters #1 - #26) & reception
- 20:00 End of day

Social events, networking, breaks
Invited Review & Outlook talks
Invited talks
Contributed talks

Tuesday, May 21, 2019

Posters #1 - #13 will be present the whole day

- 08:45 **Burkard Hillebrands** (Technische Universität Kaiserslautern)
Macroscopic magnonic quantum state effects (Review & Outlook talk)
- 09:30 **Akashdeep Kamra** (NTNU Trondheim)
Taming antiferromagnetic quantum fluctuations to amplify spin transport and superconductivity
- 10:00 **Coffee break**
- 10:30 **Arunava Gupta** (University of Alabama)
Spin Seebeck effect in nickel ferrite thin films
- 11:00 **Tao Yu** (TU Delft)
Chiral excitation of spin waves in ferromagnetic films
- 11:30 **Start of excursion: Walk to the Pannekoekschip**
- 12:00 **Lunch at the Pannekoekschip** (Schuitendiep 1017, 9711 RB Groningen)
- 14:00 **Walk to the pier through Groningen Downtown**
- 15:00 **Boat tour starts at the pier** (Stationsweg 1012, 9726 AZ Groningen)
- 16:30 **End of excursion and free time**
- 19:00 **Conference dinner at Humphrey's** (Vismarkt 42, 9711 KV Groningen)
- 21:30 **End of day**

Wednesday, May 22, 2019

Posters #1 - #13 will be present in the morning

- 08:45 **Sebastian T. B. Goennenwein** (Technische Universität Dresden)
Nernst effects (Review & Outlook talk)
- 09:30 **Masamitsu Hayashi** (University of Tokyo)
Spin conversion effects in spin orbit materials
- 10:00 **Coffee break**
- 10:30 **Ashwin A. Talapurkar** (Indian Institute of Technology)
Control of magnetization dynamics by spin-Nernst torque
- 11:00 **Markus Münzenberg** (Greifswald University)
Spin Nernst photocurrents in topological insulators, hybrids and nanowires
- 11:30 **Juan-Carlos Rojas-Sánchez** (Université Paris-Sud)
Topological spin-caloritronics: Potential giant spin Seebeck effect using α -Sn topological insulator
- 12:00 **Lunch break & poster change over**

Social events, networking, breaks

Invited Review & Outlook talks

Invited talks

Contributed talks

Wednesday, May 22, 2019

Posters #14 - #26 will be present in the afternoon

- 13:45 [Ken-ichi Uchida \(NIMS Tsukuba\)](#)
Spin Seebeck & Peltier effects (Review & Outlook talk)
- 14:30 [Sergio M. Rezende \(UFPE Recife\)](#)
Spin Seebeck effect in antiferromagnetic insulators
- 15:00 [Alessandro Sola \(INRIM Turino\)](#)
Measurement of local longitudinal spin Seebeck effect as an imaging technique for bulk magnetization
- 15:30 **Coffee break**
- 16:00 [Geert Hoogeboom \(Groningen University\)](#)
t.b.a.
- 16:30 [Roberto C. Myers \(Ohio State University\)](#)
Temperature dependence of the magnon spin lifetime and magnon-phonon coupling in yttrium iron garnet
- 17:00 [Vitaliy I. Vasyuchka \(Technische Universität Kaiserslautern\)](#)
Enhancement of the spin pumping effect by magnon confluence process in YIG/Pt bilayers
- 17:30 End of day

Thursday, May 23, 2019

Posters #14 - #26 will be present the whole day

- 08:45 [Günter Reiss \(Bielefeld University\)](#)
Tunnel Magneto Seebeck effect (Review & Outlook talk)
- 09:30 [Benedetta Flebus \(UC Los Angeles\)](#)
Theory of magnon-mediated magneto-Seebeck effect and quantum-impurity relaxometry of magnetization dynamics
- 10:00 **Coffee break**
- 10:30 [Stefan Krause \(University of Hamburg\)](#)
Magneto-Seebeck tunneling on the atomic scale
- 11:00 [Tristan da Câmara Santa Clara Gomes \(UCLouvain\)](#)
Flexible spin caloritronic devices based on 3D nanowire networks
- 11:30 [Tim Böhnert \(INL Braga\)](#)
Influence of the MgO interface on the thermovoltage of a magnetic tunnel junction
- 12:00 **Lunch break**

Social events, networking, breaks

Invited Review & Outlook talks

Invited talks

Contributed talks

Thursday, May 23, 2019

Posters #14 - #26 will be present the whole day

- 13:45 David G. Cahill (University of Illinois)
Bulk and interfacial thermal transport by electrons, phonons, and magnons
(Review & Outlook talk)
- 14:30 Ulrike Ritzmann (Uppsala University)
Lengthscales and timescales of magnon currents in various magnetic materials
- 15:00 Saül Vélez (ETH Zürich)
High-speed domain wall racetracks in a magnetic insulator
- 15:30 Coffee break
- 16:00 Jing Shi (UC Riverside)
Spin currents in uniaxial antiferromagnets
- 16:30 Xiufeng Han (Chinese Academy of Sciences)
Magnon valve and magnon junction
- 17:00 Dirk Grundler (EPFL Lausanne)
Emission, transmission and detection of magnons with sub-100 nm wavelength in thin yttrium iron garnet
- 17:30 End of day

Friday, May 24, 2019

- 08:45 Axel Hoffmann (Argonne National Laboratory)
Thermal Spin Currents in Antiferromagnets (Review & Outlook talk)
- 09:30 Andy Thomas (IFW Dresden)
Atomic layer deposition of spin Hall active platinum thin films
- 10:00 Coffee break
- 10:30 Joseph Barker (University of Leeds)
Quantum thermodynamics of yttrium iron garnet
- 11:00 Maxim V. Mostovoy (University of Groningen)
Influence of the MgO interface on the thermovoltage of a magnetic tunnel junction
- 11:30 Romain Lebrun (Johannes Gutenberg University Mainz)
Tunable long-distance spin-transport in antiferromagnetic insulators
- 12:00 Conference closure and departure

List of posters

- Poster #01: ~~Alexander Buzdakov: Development of a vision system based on spin diodes and its optimization for autonomous driving~~
- Poster #02: ~~Gleb Denim: Heat driven enhancement of spin torque diode sensitivity in a magnetic tunnel junction with the insulating ferrite~~
- Poster #03: Eirik Erlandsen, Akashdeep Kamra, Arne Brataas, Asle Sudbø:
Superconductivity enhancement on a topological insulator surface by antiferromagnetic squeezed magnons
- Poster #04: Juan M. Gomez-Perez, Saül Vélez, Luis E. Hueso, Fèlix Casanova:
Comparison of the magnon diffusion length for electrically and thermally excited magnons in 2- μm -thick $\text{Y}_3\text{Fe}_5\text{O}_{12}$
- Poster #05: Dominik Graulich, Jan Kriefft, Anastasiia Moskaltsova, Tobias Pohlmann, Joachim Wollschläger, Sonia Francoual, Timo Kuschel: Comparative investigation of the magnetic proximity effect by XRM and XMCD and the influence of patterning
- Poster #06: Geert R. Hoogeboom, Timo Kuschel, Alexey V. Kimel, Gerrit E. W. Bauer, Maxim V. Mostovoy, Bart J. van Wees: Magnetic phase transitions and anisotropy probed by spin Hall magnetoresistance of Pt on antiferromagnetic DyFeO_3
- Poster #07: Junfeng Hu: Large magneto-thermopower and anomalous Nernst effect in HfTe_5 single crystals
- Poster #08: John Jamison: Magnon phonon dynamics and magnon lifetime from the time resolved spin-Seebeck effect
- Poster #09: ~~Ron Jansen, A. Spiesser, H. Saito, Y. Fujita, S. Yamada, K. Hamaya, S. Yuasa~~
~~Nonlinear spin conversion in lateral spin valves with tunnel contacts~~
- Poster #10: O. Koplak, R. Morgunov, R. Medapalli, E. Fullerton, S. Mangin: Anisotropy of the magnetocaloric effect in Ho/W films

- Poster #11: Kingshuk Mallick, Aditya Wagh, Adrian Ionescu, P.S. Anil Kumar: Temperature evolution of Spin Seebeck coefficient near Curie temperature in EuO and $\text{La}_2\text{NiMnO}_6$
- Poster #12: Anastasiia Moskaltsova, Jan-Michael Schmalhorst, Günter Reiss, Timo Kuschel: Thermal effects and unidirectional spin Hall magnetoresistance in Pt/Co and Ta/Co bi- and trilayers
- Poster #13: David Reiß: Constrained equilibrium distributions of magnons
- Poster #14: Oliver Ritter, Tobias Peters, Jan Kriefft, Panagiota Bougiatioti, Timo Kuschel: Spin Seebeck, proximity-induced, and ferromagnetic-induced anomalous Nernst effect in Pt/ferromagnet bilayers
- Poster #15: Andreas Rückriegel: Magnetoelastic interactions and the Einstein-de Haas Effect
- Poster #16: Rico Schmidt: A simplified microscopic model for magnon phonon interaction in ferromagnetic insulators
- Poster #17: Severin Selzer, Tobias Birk, Levente Rózsa, Unai Atxitia, Ulrich Nowak: Reduced thermal stability of antiferromagnetic nanostructures
- Poster #18: Geert-Jan N. Sint Nicolaas, Geert Hoogeboom, Timo Kuschel, Bart van Wees: Magnon spin transport in NiO/YIG devices
- Poster #19: T. S. Suraj, K. Sethupathy, T. Venkatesan, M. S. Ramachandra Rao: Spin current generation in antiferromagnetic oxide/metallic oxide bilayer
- Poster #20: Mohamed Tadout: Engineered Gd-Co based multilayer stack to enhanced magneto-caloric effect and relative cooling power
- Poster #21: Camilo Ulloa, Andrea Tomadin, Juan Shan, Marco Polini, Bart J. van Wees, Rembert A. Duine: Non-local spin transport as a probe of viscous magnon fluids
- Poster #22: Guru Venkat: Magnon dispersion in the spin Seebeck material magnetite

- Poster #23: Alexander von Reppert: Saturation in the spin-disorder driven contraction of FePt revealed by multipulse by ultrafast x-ray diffraction
- Poster #24: P. Wongjom, H. Ramamoorthy, S. Chinwong, R. Somphonsane, C. Ruttanapun: Simple and cost-effective experimental setup for room temperature studies of spin Seebeck effect and electrical transport in thermoelectric materials
- Poster #25: Takumi Yamazaki, Ryo Iguchi, Hosei Nagano, Ken-ichi Uchida: Measurement of the spin Peltier effect using thermorefectance
- Poster #26: Jianyu Zhang, Marcin Białek, Anhua Wu, Haimig Yu, Jean-Philippe Ansermet: Heat-driven spin torque in antiferromagnet YFeO₃