

MAGNETISM

MAGNETISMUS (MA)

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OVERVIEW OF INVITED TALKS AND SESSIONS

(lecture rooms HSZ 03, HSZ 103, HSZ 401, HSZ 403,
 P1: the posters should be in place at 9:00 in the morning;
 posters can be visited all day; kernel time of the poster session is 15:15 - 19:15)

Invited Talks

MA 1.1	Mon	09:30	(HSZ 03)	Direct observation of Bose-Einstein condensation of parametrically driven magnons. , <u>Vladislav Demidov</u>
MA 6.1	Mon	13:45	(HSZ 03)	Read-out, relaxation and decoherence of electron spins in a quantum dot. , <u>Lieven Vandersypen</u>
MA 6.2	Mon	14:15	(HSZ 03)	Electronic transport in ferromagnetic films and wires: An <i>ab initio</i> study. , <u>Heike Herper</u>
MA 13.1	Tue	09:30	(HSZ 03)	Femtosecond electron and spin dynamics in ferromagnets. , <u>Hermann A. Dürr</u>
MA 19.1	Tue	14:00	(HSZ 03)	Pressure and magnetic field effects on the magnetic and crystallographic structures of the $R_5(\text{SixGe}_{1-x})_4$ compounds. , <u>Algarabel P. A.</u> , Morellon L., Magen C., Ibarra M. R., Ritter C., Arnold Z.
MA 19.2	Tue	14:30	(HSZ 03)	Melt-spun materials for magnetic refrigeration near room temperature. , <u>Oliver Gutfleisch</u>
MA 23.1	Thu	09:30	(HSZ 03)	Proteins and patients - new applications of low noise magnetic field sensors. , <u>Meinhard Schilling</u>
MA 28.1	Thu	14:00	(HSZ 03)	Surprises in the Magnetism of Surface Supported Nanostructures. , <u>Harald Brune</u>
MA 28.2	Thu	14:30	(HSZ 03)	Discrete media made from pre-patterned wafers: a promising route towards ultra high density magnetic recording. , <u>Jerome Moritz</u> , Mohamed Asbahi, Vincent Baltz, Bernard Rodmacq, Jean-Pierre Nozieres, Bernard Dieny
MA 34.1	Fri	10:15	(HSZ 03)	The Earths magnetic field during the new satellite era. , <u>Mioara Manda</u>

Invited Talks in the Internal Symposium “50 Years AG Magnetism”

MA 21.1	Wed	14:00	(HSZ 03)	Spin Transport across interfaces. , <u>B J Hickey</u> , L Michez, K McKenna, G J Morgan, S Shatz, N Wisser
MA 21.2	Wed	14:30	(HSZ 03)	Exchange bias in patterned magnetic structures. , <u>Kristiaan Temst</u> , Elena Popova, Steven Brems, Chris Van Haesendonck, Helmut Fritzsche, Marita Gierlings, Florin Radu, Hartmut Zabel, Peter Leunissen, Rik Jonckheere
MA 22.1	Wed	15:15	(HSZ 03)	Fifty Years ”Arbeitsgemeinschaft Magnetismus” - History of Magnetism in Germany. , <u>H. Kronmüller</u>
MA 22.2	Wed	15:45	(HSZ 03)	Making magnets harder. , <u>J. M. D. Coey</u>
MA 22.3	Wed	16:15	(HSZ 03)	Industrial Rare-Earth Permanent Magnets and their Applications. , <u>Matthias Katter</u>

MA 22.4	Wed	17:00	(HSZ 03)	Spin transfer phenomena in layered magnetic structures , <u>Peter A. Grünberg</u> , Daniel E. Bürgler, Claus M. Schneider
MA 22.5	Wed	17:30	(HSZ 03)	Interplay between Incipient Magnetism and Superconductivity in Heavy Fermions , <u>Frank Steglich</u>

Invited Talks in the Symposium SYMS: Magnetic Switching

SYMS 1.1	Mon	15:00	(HSZ 04)	Manipulation of magnetization by spin transfer: switching, microwave generation , <u>Albert Fert</u> , O. Boulle, V. Cros, M. Elsen, J. Grollier, A. Hamzic, H. Jaffrés, M. AlHajDarwish, J. Bass, H. Kurt, W. P. Pratt, J. Barnas, I. Gimtra, I. Weymann, R. Giraud, G. Faini, A. Lamaitre
SYMS 1.2	Mon	15:45	(HSZ 04)	Spin-torque effects in single-crystalline Fe nanomagnets and nanopillars , Daniel E. Bürgler, Henning Dassow, Ronald Lehndorff, Matthias Buchmeier, Peter A. Grünberg, Claus M. Schneider
SYMS 1.3	Mon	16:15	(HSZ 04)	Current-induced spin-transfer torque and spin dynamics in spin-valve structures , <u>Jozef Barnas</u> , Martin Gmitra, Vitaly Dugaev, Albert Fert
SYMS 2.1	Mon	17:00	(HSZ 04)	Spin-Hall effect in a two-dimensional electron system , <u>Peter Schwab</u> , Michael Dzierzawa, Roberto Raimondi, Cosimo Gorini
SYMS 2.2	Mon	17:20	(HSZ 04)	Submicrometer ferromagnetic logic gates , <u>Russell Cowburn</u>
SYMS 2.3	Mon	17:50	(HSZ 04)	Spin torque: wall dynamics in nanowires vs. switching in nanopillars , <u>Jacques Miltat</u> , André Thiaville
SYMS 2.4	Mon	18:20	(HSZ 04)	Interactions between domain walls and spin currents , <u>M. Klauui</u> , M. Laufenberg, D. Backes, P.-O. Jubert, R. Allenspach, A. Bischof, L. Vila, C. Vouille, G. Faini, U. Ruediger

Invited Talks in the Symposium SYMM: Multi-ferroic materials

SYMM 1.1	Tue	14:30	(HSZ 04)	Magnetoelectric Multiferroics from First Principles , <u>C. Ederer</u> , N. Spaldin
SYMM 1.2	Tue	15:00	(HSZ 04)	Electrostatic Interface Tuning in Superconducting Oxide Heterostructures , <u>N. Pavlenko</u>
SYMM 1.3	Tue	15:30	(HSZ 04)	Modelling realistic ferroic materials - multiscale approaches , <u>S. Gemming</u> , I. I. Chaplygin, W. Alsheimer, G. Seifert
SYMM 2.1	Tue	16:15	(HSZ 04)	Multifunctional Complex Oxide Heterostructures , <u>R. Ramesh</u>
SYMM 2.2	Tue	16:45	(HSZ 04)	Some Observations about Static Scaling: Domain Widths and Circular and Toroidal Ordering in Ferroelectrics, Ferromagnets, and Magneto-electrics , <u>J. Scott</u>
SYMM 2.3	Tue	17:15	(HSZ 04)	Magnetoelectric Effect and Toroidal Ordering in Multiferroic Manganites , <u>M. Fiebig</u> , Th. Lottermoser, Th. Lonkai
SYMM 2.4	Tue	17:45	(HSZ 04)	Magnetoelectric Effects in Multiferroics , <u>A. Loidl</u> , J. Hemberger, A. Pimenov, P. Lunkenheimer, A. A. Mukhin, V. Tsurkan

Sessions

MA 1	Invited Talk Demidov	Mon	09:30–10:00	HSZ 03	MA 1.1–1.1
MA 2	Magnetic Thin Films I	Mon	10:15–12:45	HSZ 03	MA 2.1–2.10
MA 3	Spin-Dependent Transport Phenomena I	Mon	10:15–13:00	HSZ 103	MA 3.1–3.11
MA 4	Magnetic Materials I	Mon	10:15–12:45	HSZ 401	MA 4.1–4.10
MA 5	Spin-Structures and Magnetic Phase Transitions I	Mon	10:15–13:00	HSZ 403	MA 5.1–5.11
MA 6	Invited Talks Vandersypen / Herper	Mon	13:45–14:45	HSZ 03	MA 6.1–6.2
MA 7	Micro- and Nanostructured Magnetic Materials I	Mon	15:00–18:00	HSZ 03	MA 7.1–7.12
MA 8	Surface Magnetism	Mon	15:00–17:15	HSZ 103	MA 8.1–8.9
MA 9	Magnetic Imaging	Mon	15:00–17:00	HSZ 401	MA 9.1–9.8
MA 10	Micromagnetism / Computational Magnetism	Mon	17:00–17:45	HSZ 401	MA 10.1–10.3
MA 11	Spin-Structures and Magnetic Phase Transitions II	Mon	15:00–16:30	HSZ 403	MA 11.1–11.6
MA 12	Kondo / Heavy Fermions	Mon	16:30–17:45	HSZ 403	MA 12.1–12.5
MA 13	Invited Talk Dürr	Tue	09:30–10:00	HSZ 03	MA 13.1–13.1

MA 14	Magnetic Thin Films II	Tue	10:15–13:00	HSZ 03	MA 14.1–14.11
MA 15	Spin-Dependent Transport Phenomena II	Tue	10:15–11:45	HSZ 103	MA 15.1–15.6
MA 16	Micro- and Nanostructured Magnetic Materials II	Tue	11:45–13:00	HSZ 103	MA 16.1–16.5
MA 17	Magnetic Materials II	Tue	10:15–13:00	HSZ 401	MA 17.1–17.11
MA 18	Spin-Dynamics, Magnetization Reversal I	Tue	10:15–13:00	HSZ 403	MA 18.1–18.11
MA 19	Invited Talks Algarabel / Gutfleisch	Tue	14:00–15:00	HSZ 03	MA 19.1–19.2
MA 20	Poster: Films(1-36) Transp(37-56) Ex.Bias(57-67) Spindyn(68-80) Micromag(81-95) Particle(96-109) Imag.+Surface(110-113) Spinelectr(114-122) Theory+Micromag(123-131) Spinstr+Aniso(132-142) MagMat(143-156) Meas(157,158) MolMag+Kondo(159-162) Postdead(163-)	Tue	15:15–19:15	P1	MA 20.1–20.165
MA 21	Invited Talks Hickey / Temst	Wed	14:00–15:00	HSZ 03	MA 21.1–21.2
MA 22	Internal Symposium “50 Years AG Magnetism”	Wed	15:15–18:00	HSZ 03	MA 22.1–22.5
MA 23	Invited Talk Schilling	Thu	09:30–10:00	HSZ 03	MA 23.1–23.1
MA 24	Magnetic Thin Films III	Thu	10:15–12:45	HSZ 03	MA 24.1–24.10
MA 25	Spin-Electronics I	Thu	10:15–13:00	HSZ 103	MA 25.1–25.11
MA 26	Electron Theory	Thu	10:15–13:15	HSZ 401	MA 26.1–26.12
MA 27	Spin-Dynamics, Magnetization Reversal II	Thu	10:15–13:00	HSZ 403	MA 27.1–27.11
MA 28	Invited Talks Brune / Moritz	Thu	14:00–15:00	HSZ 03	MA 28.1–28.2
MA 29	Magnetic Thin Films IV	Thu	15:15–18:15	HSZ 03	MA 29.1–29.12
MA 30	Spin-Electronics II	Thu	15:15–16:15	HSZ 103	MA 30.1–30.4
MA 31	Magnetic Measuring Techniques	Thu	16:15–17:00	HSZ 103	MA 31.1–31.3
MA 32	Magnetic Particles / Clusters	Thu	15:15–18:45	HSZ 401	MA 32.1–32.14
MA 33	Spin-Dynamics, Magnetization Reversal III	Thu	15:15–18:30	HSZ 403	MA 33.1–33.13
MA 34	Invited Talk Mioara Manda	Fri	10:15–10:45	HSZ 03	MA 34.1–34.1
MA 35	Magnetic Thin Films V	Fri	10:45–12:45	HSZ 03	MA 35.1–35.8
MA 36	Magnetic Coupling Phenomena / Exchange-Bias	Fri	10:45–13:00	HSZ 401	MA 36.1–36.9
MA 37	Molecular Magnetism	Fri	10:45–13:15	HSZ 403	MA 37.1–37.10

Annual General Meeting of the Section Magnetism

Thu 18:45–19:45 HSZ 103

Top1 report of the head of the magnetism section

Top2 upcoming meetings

Top3 miscellaneous