

Magnetism Division Fachverband Magnetismus (MA)

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Overview of Invited Talks and Sessions

(lecture rooms HSZ 04, HSZ 401, HSZ 403, HSZ 103, and HSZ 101 (Wednesday); Poster P1A and P1B)

Invited Talks

MA 1.1	Mon	10:15–10:45	HSZ 04	Exciting magnetism : inelastic scanning tunneling spectroscopy on magnetic nanostructures — ●WULF WULFHEKEL
MA 6.1	Mon	14:00–14:30	HSZ 04	Symmetry dependent spin injection from Fe/MgO in single crystal based magnetic tunnel junctions — ●MICHEL HEHN, FANNY GREULLET, JULIEN BERNOS, CORIOLAN TIUSAN, CHRISTINE BELLOUARD, FRANCOIS MONTAIGNE, DANIEL LACOUR, MARC ALNOT, YUAN LU, GWLADYS LENGAINNE, DAVID HALLEY, WOLFGANG WEBER
MA 6.2	Mon	14:30–15:00	HSZ 04	Magnetic imaging at the limits of space and time — ●THOMAS EIMÜLLER, WEI HE, JIE LI, MIN-SANG LEE, BJÖRN REDEKER, STEFAN BUSCHHORN
MA 12.1	Tue	9:30–10:00	HSZ 04	Electron theory of fast and ultrafast dissipative magnetization dynamics — ●MANFRED FÄHNLE, DANIEL STEIAUF, JONAS SEIB
MA 16.1	Wed	9:30–10:00	HSZ 04	Nonlinear optics on spin-spiral multiferroics — ●THOMAS LOTTER-MOSER
MA 22.1	Wed	14:00–14:30	HSZ 04	Quantum Transport through Single Molecular Magnets — ●HERBERT SCHOELLER
MA 29.1	Thu	9:30–10:00	HSZ 04	Quantum information processing with electron spin resonance — ●ARZHANG ARDAVAN
MA 34.1	Thu	14:00–14:30	HSZ 04	The biophysics of geomagnetic-field reception in animals — ●MICHAEL WINKLHOFER
MA 34.2	Thu	14:30–15:00	HSZ 04	Micromagnets for multispectral magnetic resonance imaging — ●GARY ZABOW, STEPHEN DODD, JOHN MORELAND, ALAN KORETSKY
MA 39.1	Fri	10:15–10:45	HSZ 04	Magnon gases and condensates — ●BURKARD HILLEBRANDS

Topical Talks of the Focused Session: Spin Transport and Coherence in Emerging Materials

MA 28.1	Wed	14:45–15:15	HSZ 101	Gate-tunable magnetic exchange and giant g-factor fluctuations in InAs nanowire quantum dots — SZABOLCS CSONKA, LUKAS HOFSTETTER, FRANK FREITAG, ●CHRISTIAN SCHÖNENBERGER, THOMAS S. JESPERSEN, MARTIN AAGESEN, JESPER NYGARD
MA 28.2	Wed	15:15–15:45	HSZ 101	Spin transport theory in carbon-based materials — ●REINHOLD EGGER
MA 28.3	Wed	15:45–16:15	HSZ 101	Visualizing heat transport in quantum magnets — MARIAN OTTER, DMITRY FISHMAN, VIKTOR V. KRASHNIKOV, MAXIM S. PSHENICHNIKOV, ROMUALT SAINT-MARTIN, ALEXANDER REVCOLEVSCHI, ●PAUL H.M. VAN LOOSDRECHT

Invited talks of the joint symposium SYSC

See SYSC for the full program of the Symposium.

SYSC 1.1	Wed	9:30–10:00	BAR SCHÖ	Optical Pumping of Nuclear Spins in Semiconductor Quantum Dots — ●X. MARIE, B. URBASZEK, T. AMAND, O. KREBS, A. LEMAÎTRE, P. VOISIN, B. EBLE, C. TESTELIN, M. CHAMARRO
SYSC 1.2	Wed	10:00–10:30	BAR SCHÖ	Dyakonov-Perel' Spin-Dynamics in GaAs Quantum Wells — ●RICHARD HARLEY
SYSC 1.3	Wed	10:30–11:00	BAR SCHÖ	Quantum dot spins in optical microcavities — ●RUDOLF BRATSCHITSCH
SYSC 1.4	Wed	11:00–11:30	BAR SCHÖ	Spin relaxation in quasi-one-dimensional electron systems: transition from 2D to 1D — ●ALEXANDER HOLLEITNER
SYSC 1.5	Wed	11:30–12:00	BAR SCHÖ	Triggering phase-coherent spin packets by pulsed electrical spin injection across an Fe/GaAs Schottky barrier — ●BERND BESCHOTEN
SYSC 1.6	Wed	12:00–12:30	BAR SCHÖ	Quantum Spin Hall Effect in HgTe Quantum Well Structures — ●HARTMUT BUHMANN

Invited talks of the joint symposium SYAI

See SYAI for the full program of the Symposium.

SYAI 1.1	Thu	15:00–15:30	SCH 251	Insights and Progress in Density Functional Theory — PAULA PAULA MORI-SANCHEZ, ARON COHEN, ●WEITAO YANG
SYAI 1.2	Thu	15:30–16:00	SCH 251	Quasiparticle energy calculations in a new light: from defects in semiconductors to the f-electron challenge — ●PATRICK RINKE
SYAI 1.3	Thu	16:00–16:30	SCH 251	LDA+DMFT approach to excitations spectrum in Half-Metallic Ferromagnets — ●ALEXANDER LICHTENSTEIN
SYAI 1.4	Thu	17:00–17:30	SCH 251	Insight and prediction of material properties from ab initio calculations of electronic excitations — ●LUCIA REINING, MATTEO GATTI, RALF HAMBACH, CHRISTINE GIORGETTI
SYAI 1.5	Thu	17:30–18:00	SCH 251	Local excitations in strongly interacting charge-transfer insulators: Frenkel excitons within TD-LDA+U and strong coupling theory — ●WEI KU
SYAI 1.6	Thu	18:00–18:30	SCH 251	Electron tunneling and transport at molecular junctions — ●ROBERTO CAR

Sessions

MA 1.1–1.1	Mon	10:15–10:45	HSZ 04	Invited Talk Wulfhekel
MA 2.1–2.9	Mon	11:00–13:15	HSZ 04	Spin-Dynamics / Spin-Torque I
MA 3.1–3.9	Mon	11:00–13:15	HSZ 401	Magnetic Half Metals and Oxides
MA 4.1–4.9	Mon	11:00–13:15	HSZ 403	Surface Magnetism I
MA 5.1–5.9	Mon	11:00–13:15	HSZ 103	Electron Theory of Magnetism
MA 6.1–6.2	Mon	14:00–15:00	HSZ 04	Invited Talks Hehn / Eimüller
MA 7.1–7.15	Mon	15:15–19:15	HSZ 04	Spin-Dynamics/ Spin-Torque II
MA 8.1–8.13	Mon	15:15–18:30	HSZ 401	Magnetic Coupling Phenomena / Exchange Bias
MA 9.1–9.7	Mon	15:15–17:00	HSZ 403	Surface Magnetism II
MA 10.1–10.7	Mon	17:15–19:00	HSZ 403	Magnetic Imaging
MA 11.1–11.15	Mon	15:15–19:15	HSZ 103	Magnetic Materials
MA 12.1–12.1	Tue	9:30–10:00	HSZ 04	Invited Talk Fähnle
MA 13.1–13.60	Tue	10:15–13:00	P1A	Poster Ia: Electron Theory (1); Magnetic Imaging (2,3); Thin Films (4-25); MSMA (26-33); Magn. Semiconductors (34-42); Magn. Half Metals and Oxides (43-60)
MA 14.1–14.25	Tue	10:15–13:00	P1B	Poster Ib: Magnetic Materials (1-14); Micro Magnetism/Computational Mag. (15-17); Surface Magnetism (18-22); Spin Structures/Phase Transitions (23-25)
MA 15	Tue	14:00–16:15	HSZ 04	ThyssenKrupp Dissertationspreis der AG Magnetismus
MA 16.1–16.1	Wed	9:30–10:00	HSZ 04	Invited Talk Lottermoser
MA 17.1–17.10	Wed	10:15–12:45	HSZ 04	Magnetic Thin Films I
MA 18.1–18.11	Wed	10:15–13:00	HSZ 401	Spin Structures and Magnetic Phase Transitions
MA 19.1–19.10	Wed	10:15–12:45	HSZ 403	Micro Magnetism / Computational Magnetism
MA 20.1–20.2	Wed	12:45–13:15	HSZ 403	Micro- and Nanostructured Magnetic Materials I

MA 21.1–21.11	Wed	10:15–13:00	HSZ 103	Magnetic Shape Memory Alloys I
MA 22.1–22.1	Wed	14:00–14:30	HSZ 04	Invited Talk Schoeller
MA 23.1–23.14	Wed	14:45–18:15	HSZ 04	Magnetic Thin Films II
MA 24.1–24.17	Wed	14:45–19:15	HSZ 401	Magnetic Semiconductors
MA 25.1–25.17	Wed	14:45–19:15	HSZ 403	Micro- and Nanostructured Magnetic Materials II
MA 26.1–26.7	Wed	14:45–16:30	HSZ 103	Magnetic Shape Memory Alloys II
MA 27.1–27.4	Wed	16:45–17:45	HSZ 103	Spin Electronics / Spininjection in Heterostructures
MA 28.1–28.8	Wed	14:45–17:45	HSZ 101	Focused Session: Spin Transport and Coherence in Emerging Materials
MA 29.1–29.1	Thu	9:30–10:00	HSZ 04	Invited Talk Ardavan
MA 30.1–30.11	Thu	10:15–13:00	HSZ 04	Spin-Dynamics / Spin-Torque III
MA 31.1–31.11	Thu	10:15–13:00	HSZ 401	Magnetic Particles and Clusters I
MA 32.1–32.9	Thu	10:15–12:30	HSZ 403	Magnetic Thin Films III
MA 33.1–33.10	Thu	10:15–12:45	HSZ 103	Bio- Molecular Magnetism
MA 34.1–34.2	Thu	14:00–15:00	HSZ 04	Invited Talks Winklhofer / Zabow
MA 35.1–35.16	Thu	15:15–19:30	HSZ 04	Spin-Dynamics / Spin-Torque IV
MA 36.1–36.12	Thu	15:15–18:15	HSZ 401	Magnetic Particles and Clusters II
MA 37.1–37.17	Thu	15:15–19:45	HSZ 403	Spin Dependent Transport Phenomena
MA 38.1–38.16	Thu	15:15–19:30	HSZ 103	Multiferroics
MA 39.1–39.1	Fri	10:15–10:45	HSZ 04	Invited Talk Hillebrands
MA 40.1–40.108	Fri	11:00–14:00	P1A	Poster II: Bio- and Molecular Magnetism (1-9); Magnetic Coupling Phenomena/Exchange Bias (10-15); Magnetic Particles and Clusters (16-29); Micro and Nanostructured Magnetic Materials (30-51); Multiferroics (52-64); Spin Injection in Heterostructures (65-67); Spin-Dyn./Spin-Torque (68-93); Spindependent Transport (94-108)

Annual General Meeting Magnetism Division

Mittwoch 18:30–19:30 HSZ 04

- Bericht des Vorsitzenden
- ICM 2009 und Satelliten
- Verschiedenes