



## 9<sup>th</sup> JEMS Conference 2018

Joint European Magnetic Symposia



# Conference Program

September, 3<sup>rd</sup> – 7<sup>th</sup>, 2018

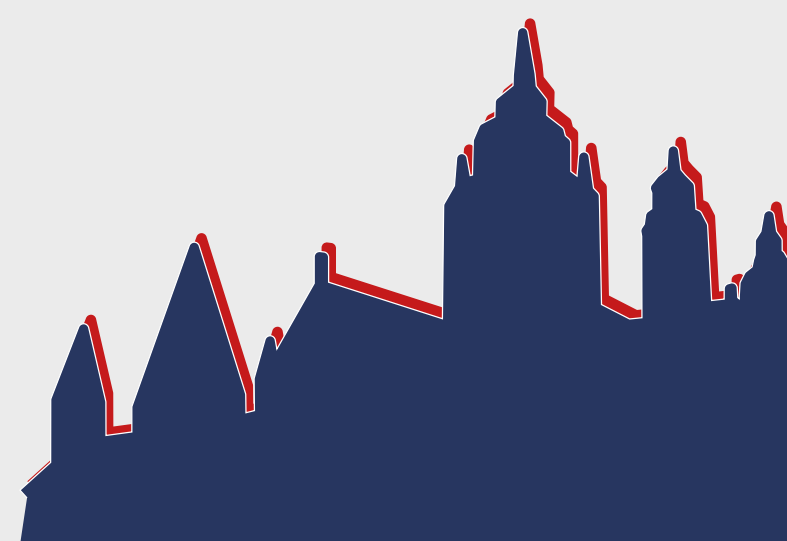
Mainz, Germany

### Chairmen Organizing Committee

**General Chair:**  
Prof. Dr. Jairo Sinova

**Co-General Chair:**  
Prof. Dr. Mathias Kläui

Johannes Gutenberg  
University, Mainz



# 9<sup>th</sup> JEMS Conference 2018 | Rheingoldhalle Mainz

3<sup>rd</sup> – 7<sup>th</sup> September 2018 Weekly program overview



DAY	SUNDAY	MONDAY 3.9.18	TUESDAY 4.9.18	WEDNESDAY 5.9.18	THURSDAY 6.9.18	FRIDAY 7.9.18	
TIME							
07:00	SET UP exhibition poster area lecture halls media centre registration	Registration		Registration		Registration	
08:15		Welcome Address					
08:30		Plenary Talk: Claus Ropers		Plenary Talk: Tomas Jungwirth		Plenary Talk: Geoffrey S. D. Beach	
09:15						Plenary Talk: Julie Grollier	
09:20		Plenary Talk: Laura Heyderman					
09:20		Gerrit Bauer	Russell Cowburn	Luis Hueso	Stefan Blügel	Jeffrey Bokor	Daniel Loss
09:20		Jean-Marc Triscone	Amir Yacoby	Jagadeesh Moodera	Dieter Suess		
10:00		Coffee Morning Break					
10:15		SP5 - Parallel Session 1	SP12 - Parallel Session 1	SP14 - Parallel Session 1	SP10 - Parallel Session 1	SP13 - Parallel Session 1	SP1 - Parallel Session 1
10:15		SP12 - Parallel Session 3	SP15 - Parallel Session 1	SP3 - Parallel Session 1	SP13 - Parallel Session 4		SP4 - Parallel Session 1
10:15	SP5 - Parallel Session 6	SP7 - Parallel Session 1	SP8 - Parallel Session 2	SP17 - Parallel Session 2	SP18 - Parallel Session 1	SP3 - Parallel Session 3	
10:15	SP15 - Parallel Session 3	SP16 - Parallel Session 1	SP11 - Parallel Session 1		SP7 - Parallel Session 2	SP15 - Parallel Session 4	
10:15	SP7 - Parallel Session 4	SP14 - Parallel Session 6	SP16 - Parallel Session 2	SP4 - Parallel Session 2			
12:15	lunch break / Exhibition		lunch break / Exhibition		lunch break / Exhibition		
13:30	SP5 - Parallel Session 2	SP8 - Parallel Session 1	SP9 - Parallel Session 1	SP10 - Parallel Session 2	SP13 - Parallel Session 2	SP5 - Parallel Session 4	
13:30	SP6 - Parallel Session 1	SP14 - Parallel Session 3	SP17 - Parallel Session 1	SP9 - Parallel Session 2		SP6 - Parallel Session 1	
13:30	Pietro Gambardella	Antonio Planes			SP1 - Parallel Session 2	SP5 - Parallel Session 7	
13:30	SP14 - Parallel Session 4	SP8 - Parallel Session 3	SP6 - Parallel Session 2		SP2 - Parallel Session 2	SP3 - Parallel Session 4	
14:15					SP14 - Parallel Session 7	SP5 - Parallel Session 9	
14:30					SP4 - PS3		
15:15					SP11 - P2		
15:30	Coffee Afternoon Break		Coffee Afternoon Break		Peter Grunberg Honorary Session		
15:30	Coffee Afternoon Break		Coffee Afternoon Break		Coffee Afternoon Break		
16:00	SP5 - Parallel Session 3	SP12 - Parallel Session 2	SP14 - Parallel Session 2	SP10 - Parallel Session 3	SP13 - Parallel Session 3	SP5 - Parallel Session 5	
16:00	SP12 - Parallel Session 4	SP15 - Parallel Session 2	SP3 - Parallel Session 2	SP9 - Parallel Session 3		SP12 - Parallel Session 4	
16:00	SP18 - PS2	SP5 - Parallel Session 8	SP14 - Parallel Session 5	SP8 - Parallel Session 4	SP9 - Parallel Session 4		
16:45	SP2 - PS1						
16:45	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
16:45	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
18:00	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
18:15	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
18:30	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
18:45	Registration		Refreshments, Exhibition and Poster Session A		Refreshments, Exhibition and Poster Session C		
19:00	18:15 – 21:15 Welcome Reception at exhibition		17:00 – 19:00 Refreshments, Exhibition and Poster Session A		17:00 – 19:00 Refreshments, Exhibition and Poster Session C		
19:15	18:30 – 21:00 Women in Magnetism Room Zagreb		18:30 – 21:00 Women in Magnetism Room Zagreb		19:00 – 23:00 Congress Dinner		
21:00							
21:15							

SP1 Biomagnetism and medical applications

SP2 Electronic correlations, superconductivity, superconducting spintronics

SP3 Frustrated and disordered magnetism (including spin ice)

SP4 Magnetic memories and magnetic recording, sensors

SP5 Magnetic thin films, surface, interfaces, and nano-structured low dimensional systems

SP6 Magnetic shape memory, magnetoelastic and multifunctional materials

SP7 Magnetism and spintronics in molecular materials and carbon based systems

SP8 Antiferromagnets and antiferromagnetic spintronics

SP9 Spin transport and spin dynamics

SP10 Magnetic materials for energy applications

SP11 Micromagnetic modelling

SP12 Ultrafast laser-induced magnetization dynamics, magneto-optics and magnetoplasmonics

SP13 Complex oxides, multiferroics and composite multiferroics

SP14 Domain walls, vortices and skyrmions (including Spin-orbit related effects)

SP15 Spin waves and magnonics

SP16 Spins for quantum technologies

SP17 Spin caloritronics

SP18 Magnetism and spin transport in topological materials (Topological insulators and Weyl semimetals)

Monday, September 03rd, 2018

	Gutenberg-Saal A	Gutenberg-Saal B	Gutenberg-Saal C	Gutenberg-Saal D	Kongress-Saal	Poster Sessions
7:00 am - 8:15 am	<b>Registration</b> coffee / tea will be served					
8:15 am - 8:30 am					<b>Welcome Address</b>	
8:30 am - 9:15 am					<b>Ultrafast Imaging and Diffraction with High-coherence Electron and Photon Beams (Claus Ropers)</b> C. Ropers <i>Chair:</i> M. Kläui	
9:20 am - 10:00 am			<b>Spin(calori)tronics with phonons (Gerrit Bauer)</b> G. Bauer <i>Chair:</i> M. Kläui		<b>Magnetism for Biomedical Applications – Beyond Superparamagnetic Iron Oxide Nanoparticles (Russell Cowburn)</b> R. Cowburn <i>Chair:</i> M. Jourdan	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
10:15 am - 12:15 pm	<b>SP5.1</b> <b>SP5 - Parallel Session 1</b> <i>Chair:</i> J. McCord	<b>SP12.1</b> <b>SP12 - Parallel Session 1</b> <i>Chair:</i> B. Rethfeld	<b>SP14.1</b> <b>SP14 - Parallel Session 1</b> <i>Chair:</i> F. Buettner	<b>SP10.1</b> <b>SP10 - Parallel Session 1</b> <i>Chair:</i> E. Brück	<b>SP13.1</b> <b>SP13 - Parallel Session 1</b> <i>Chair:</i> S. van Dijken	
10:15 am - 10:30 am	<b>Emergent Exotic States in 1D and 2D Magnet-Superconductor</b>	<b>A-1169</b> <b>The early stages of ultrafast demagnetization</b>	<b>The skyrmion-bubble transition in a ferromagnetic thin film</b>	<b>A-1369</b> <b>Fe<sub>5</sub>PB<sub>2</sub> and its alloys with Co and 5d elements as</b>	<b>Probing the emergence of ferroelectricity during multiferroic</b>	

	<b>Hybrid Systems with Atomic-Level Control</b> R. Wiesendanger	Y. Acremann	A. Bernand-Mantel	<b>candidates for rare-earth free permanent magnets</b> M. Werwinski	<b>thin film growth</b> M. Trassin	
10:30 am - 10:45 am		<b>A-1239</b> Simulation of Ultrafast Electron Spin Dynamics in Ferromagnetic Heterostructures D. Nenno		<b>A-2376</b> Possible highest performance of permanent magnet materials H. Akai		
10:45 am - 11:00 am	<b>A-1202</b> Tuning spin spirals via surface reconstruction in 2Fe/Ir(111) B. Dupé	<b>Ab initio theory of ultrafast laser-induced magnetic processes</b> P. Oppeneer	<b>A-1123</b> Electric field modulation of magnetic domain wall velocity in Pt/Co/Pd structure T. Koyama	<b>Chemical synthesis of magnetic materials : the potentiality of nanoparticles</b> L.-M. Lacroix	<b>A-1852</b> The Coulomb based magneto-electric coupling in multiferroic tunnel junctions and granular multiferroics O. Udalov	
11:00 am - 11:15 am	<b>A-1730</b> Tuning Exchange and Dzyaloshinskii-Moriya interactions of ultrathin Co films on Ir(111) S. Meyer		<b>A-1866</b> Magnetoelectric effect and orbital magnetization in skyrmion crystals: New ways for detection and characterization of skyrmions B. Göbel		<b>A-1598</b> Mechanism for reversible switching of spin polarization in Co/PZT/LSMO tunnel junction by electric field N. Stojic	
11:15 am - 11:30 am	<b>A-1735</b> Asymmetric and symmetric exchange in a generalized 2D Rashba ferromagnet M. Titov	<b>A-1254</b> Comparison of induced and permanent magnetic moment in the ultrafast demagnetization and remagnetization dynamics of	<b>A-1238</b> Ultrafast toggle switching of magnetic skyrmions J. H. Mentink	<b>A-1944</b> Influence of Sn substitution on the magnetic and magnetocaloric properties of $Ni_2Mn(In,Sn)$ alloys M. Solzi	<b>A-1570</b> Low noise all-oxide magnetic tunnel junctions based on a La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> / Nb:SrTiO <sub>3</sub> interface A. Solignac	

		ferromagnetic alloys S. Häuser				
11:30 am - 11:45 am	<b>A-1826</b> Artificial all-amorphous magnetic superstructures G. Muscas	<b>A-1313</b> Single-pulse all-optical switching in synthetic ferrimagnetic racetracks M. Lalieu	<b>A-1962</b> Study of nanoscale laser- and magnetic field-induced domain-wall dynamics M. Logunov	<b>A-1942</b> A Magnetic Composite Approach For Harvesting Energy from Wideband Low Frequency Vibrations M. A. Khan	<b>A-1956</b> Study on magnetic characteristics modulated by Ferromagnetic/Ferro electric heterojunction A. Yamaguchi	
11:45 am - 12:00 pm	<b>A-1926</b> Magnetic ground states of perfect Py nanotubes and rings E. Josten	<b>A-1366</b> Laser-induced spin transfer torques in magnetic domain walls P. Baláž	<b>A-1187</b> Isolated skyrmions with vanishing anisotropy in Co/Ru(0001) B. Dupé	<b>A-2100</b> Structure, magnetism of $Mn_xFe_{2-x}P_{0.6}Si_{0.4}$ compounds X. You	<b>A-2284</b> Magnetoelectric coupling in a layered-perovskite thin film heterostructure C. Wang	
12:00 pm - 12:15 pm	<b>A-2198</b> Anatomy of magnetic proximity effects in platinum inferred by magnetotransport measurements C. O. Avci	<b>A-1423</b> Speed and efficiency of femtosecond spin current injection into a nonmagnetic material D. Schummer	<b>A-2343</b> Chiral spin spiral and isolated skyrmions with vanishing anisotropy in Co/Ru(0001) T. Balashov	<b>A-1949</b> Tuning direct and inverse magnetocaloric effect in Ni-Mn-In Heuslers for room temperature magnetic refrigeration F. Albertini	<b>A-1698</b> Strain-induced magnetization control in a LSMO/BTO heterostructure F. Motti	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
01:30 pm - 03:30 pm	<b>SP5.2</b> SP5 - Parallel Session 2 <i>Chair:</i> P. Oppeneer	<b>SP8.1</b> SP8 - Parallel Session 1 <i>Chair:</i> O. Gomonay	<b>SP9.1</b> SP9 - Parallel Session 1 <i>Chair:</i> U. Ebels	<b>SP10.2</b> SP10 - Parallel Session 2 <i>Chair:</i> N. Dempsey	<b>SP13.2</b> SP13 - Parallel Session 2 <i>Chair:</i> E. Quandt	
1:30 pm - 1:45 pm	<b>A-2317</b> Magnetism of 4f-atoms adsorbed on	<b>IMAGING AND INFLUENCING THE ANTIFERROMAGNE</b>	<b>A-2249</b> Characteristic switching	<b>Magnetic domain structure studies in high coercivity</b>	<b>A-2416</b> Magneto-ionic control of	

	<b>metal and Graphene substrates</b> A. Shick	<b>TIC ORDER IN BiFeO</b> M. Viret	<b>temperature in spin-orbit torque switching in metallic/ferrimagnetic system</b> T. H. Pham	<b>permanent magnets using the X-ray magnetic circular dichroism technique</b> T. Nakamura	<b>magnetism using a solid state proton pump</b> A. J. Tan	
1:45 pm - 2:00 pm	<b>A-1085</b> <b>FePt-Tb alloy thin films designed for all-optical switching</b> N. Safonova		<b>A-1078</b> <b>Spin torque induced oscillations in fully perpendicular magnetic tunnel junction</b> V. Iurchuk		<b>A-1558</b> <b>Soliton excitations observed in multiferroic LiCuVO<sub>4</sub></b> C. Grams	
2:00 pm - 2:15 pm	<b>A-1148</b> <b>Perpendicular anisotropy, unconventional spin texture and extraordinary gradual spin reorientation transition of cobalt films in contact with graphene</b> N. Rougemaille	<b>A-2365</b> <b>Real-space imaging of non-collinear antiferromagnetic order with a single spin magnetometer</b> W. Akhtar	<b>Probing spin waves using single-spin magnetometry</b> T. van der Sar	<b>A-1344</b> <b>Atomic scale microstructure and local composition of recycled high performance Nd<sub>2</sub>Fe<sub>14</sub>B permanent magnets for energy applications</b> U. Rohrmann	<b>A-2366</b> <b>Magnetic order, hysteresis, and phase coexistence in magnetoelectric LiCoPO<sub>4</sub></b> E. Fogh	
2:15 pm - 2:30 pm	<b>A-1152</b> <b>Interface coupling between 3d-La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub> and 5d-SrIrO<sub>3</sub></b> L. Bergmann	<b>A-2132</b> <b>Nanoscale imaging of antiferromagnetic order using single-spin magnetometry</b> B. Shields		<b>A-2177</b> <b>Tailored Metal Injection Moulding Of Isotropic NdFeB Hard Magnets Based On Recycled Powders With And Without Nd-Additions</b> B. Podmiljsak	<b>A-2362</b> <b>Field-induced reentrant magnetoelectric phases in LiNiPO<sub>4</sub></b> N. Bech Christensen	
2:30 pm - 2:45 pm	<b>A-1237</b> <b>Tuning the magnetic anisotropy in exchange coupled</b>	<b>A-1329</b> <b>Magnonic Transport In Single Crystal Antiferromagnetic</b>	<b>A-1189</b> <b>Spin pumping as a generic probe for linear spin</b>	<b>A-1780</b> <b>From binary Mn-Ga to ternary Mn-Al-Ga: the formation,</b>	<b>A-2165</b> <b>Transition metal valence states and magnetic structure</b>	

	<b>bimagnetic core/shell nanoparticles</b> E. Winkler	<b>Insulators over 40 <math>\mu\text{m}</math></b> R. Lebrun	<b>fluctuations, irrespective of the magnetic and electrical nature of the spin-sink</b> O. Gladii	<b>stability and magnetic properties of the <math>L1_0</math> structure</b> T. Mix	<b>of the frustrated <math>\text{ABaM}_4\text{O}_7</math> (<math>\text{A}=\text{Y,Ca}</math>; <math>\text{M}=\text{Co,Fe}</math>) system</b> K. Kupper	
2:45 pm - 3:00 pm	<b>A-1256</b> <b>Pt/Co/W as a Candidate for Low Power Nanomagnetic Logic</b> S. Mendisch	<b>A-2059</b> <b>Néel Spin Orbit Torque driven antiferromagnetic resonance in <math>\text{Mn}_2\text{Au}</math> probed by time-domain THz spectroscopy</b> N. Bhattacharjee	<b>A-1395</b> <b>Magnon auto-oscillation under zero magnetic field</b> N. Nishida	<b>A-1336</b> <b>Development of permanent magnet properties in gas-atomized MnAl particles</b> J. Rial	<b>A-2133</b> <b>Correlation of crystalline and magnetic structures of barium ferrites with dual ferroic properties</b> V. Turchenko	
3:00 pm - 3:15 pm	<b>A-2064</b> <b>Engineering nanoscale defects in <math>\text{Sr}_2\text{FeMoO}_6</math> thin films</b> M. Saloaro	<b>A-1535</b> <b>Role of thermal activation in the electrical switching of antiferromagnetic <math>\text{Mn}_2\text{Au}</math> and <math>\text{CuMnAs}</math></b> M. Meinert	<b>A-1517</b> <b>Phase locked loop operation of spin torque oscillators using custom integrated circuits</b> P. Sethi	<b>A-1255</b> <b>Multicoloric effects in Magnetic Shape Memory Alloys</b> L. Manosa	<b>A-1291</b> <b>Nature of exchange-bias effect in ferrimagnetic orthoferrites</b> A. Wisniewski	
3:15 pm - 3:30 pm	<b>A-1895</b> <b>Field Dependence of the Ferromagnetic/Supercconducting Proximity Effect in a YBCO/STO/LCMO Multilayer</b> F. Klose	<b>A-1595</b> <b>Spin-dependent transport and dynamics of antiferromagnetic skyrmions</b> C. Akosa	<b>A-1613</b> <b>Ultrafast spin-dependent THz dynamics and high harmonic generation in semiconductor nanostructures</b> D. Schulze	<b>A-1917</b> <b>Degrading effect of cold working on the magnetocaloric performance of a <math>\text{Ni}_{50}\text{Mn}_{34}\text{In}_{16}</math> Heusler alloy</b> M. Solzi	<b>A-2045</b> <b>Epitaxial growth of vanadates by ozone assisted Molecular Beam Epitaxy</b> G. Masset	
3:30 pm - 4:00 pm	<b>Afternoon Coffee Break</b>					
<b>04:00 pm - 06:00 pm</b>	<b>SP5.3</b> <b>SP5 - Parallel Session 3</b> <i>Chair:</i> C. Ropers	<b>SP12.2</b> <b>SP12 - Parallel Session 2</b> <i>Chair:</i> L. Nadvornik	<b>SP14.2</b> <b>SP14 - Parallel Session 2</b> <i>Chair:</i> A. Bernard-Mantel	<b>SP10.3</b> <b>SP10 - Parallel Session 3</b> <i>Chair:</i> F. Albertini	<b>SP13.3</b> <b>SP13 - Parallel Session 3</b> <i>Chair:</i> K. Dörr	
4:00 pm - 4:15 pm	<b>A-2055</b>	Probing and	<b>A-1444</b>	<b>A-2256</b>	<b>A-1812</b>	



	<b>Modification of Spin-Orbit Torques by Interfacial Oxygen</b> J. Nath	<b>controlling spin dynamics with terahertz radiation</b> T. Kampfrath	<b>Theory of isolated magnetic skyrmions: From fundamentals to room temperature applications</b> F. Buettner	<b>Rapidly quenched ultra-thin soft magnetic amorphous ribbons for high-frequency power applications</b> P. McCloskey	<b>Coupled spin dimers driven by charge and orbital ordering in an open-shell <math>p</math>-electron <math>Rb_4O_6</math> compound</b> D. Arcon	
4:15 pm - 4:30 pm	<b>A-2159 Tailoring the in-plane magnetic anisotropy at the Fe(110) surface</b> M. Ślęzak		<b>A-1985 Hybrid chiral domain skyrmions in magnetic multilayers</b> W. Legrand	<b>A-2265 Permeability of <math>Nd_2Fe_{17}Nx</math>-resin composites at micro-wave frequency range</b> N. Imaoka	<b>A-2248 Electrical gating of GeTe towards non-volatile control of spin physics</b> S. Varotto	
4:30 pm - 4:45 pm	<b>A-1319 Graphene-based synthetic antiferromagnets and ferrimagnets with perpendicular magnetic anisotropy</b> P. Gargiani	<b>A-1428 Ultrafast Dynamics of Spin and Orbital Moments upon Demagnetization in GdFeCo alloys</b> M. Hennecke	<b>A-2153 Chiral thin-film magnetic structures display the Mallinson-Halbach effect</b> M. A. Marioni	<b>A-1221 Characterization of magnetic properties of grain-oriented electrical steel after elasto-plastic loading using magneto-optical Kerr microscopy and micromagnetic multiparameter, microstructure and stress analysis (3MA) system</b> S. Deldar	<b>A-2148 Large positive and negative magnetodielectric coupling in Fe half-doped <math>LaMnO_3</math></b> J. P. Palakkal	
4:45 pm - 5:00 pm	<b>A-1502 TbCoFe/[Co/Ni/Pt] Exchange-Coupled Heterostructures</b> M. Heigl	<b>A-1447 Terahertz induced demagnetization in CoPt film: towards ultrafast ballistic switching</b> D. Polley	<b>A-2143 Skyrmion formation in <math>SrRuO_3</math>-<math>SrIrO_3</math> epitaxial bilayer</b> H. J. Hug	<b>A-1749 Magnetic losses reduction in non-oriented electrical steels via strain-induced grain boundary migration effects.</b> I. Petryshynets	<b>A-1342 Magnetic Fluctuations and the Origin of Antiferromagnetism in <math>RENiO_3</math> Perovskites</b> L. Korosec	
5:00 pm - 5:15 pm	<b>A-1513</b>	<b>A-1449</b>	<b>A-1263</b>	<b>A-1212</b>	<b>A-1429</b>	

	<b>High-resolution Kerr microscopy investigations on polygonal nanowires for reliable domain wall position prediction</b> E. Lage	<b>Optical control of competing exchange interactions and coherent spin-charge coupling in two-orbital Mott insulators</b> M. M. S. Barbeau	<b>First-principles study of skyrmion formation at 3d/4d transition-metal interfaces</b> S. Haldar	<b>Siliconisation of grain oriented electrical steel through the method of diffusion annealing</b> S. Sarma	<b>Probing domain dynamics in complex oxide micromagnets using scanning transmission x-ray microscopy</b> E. Digernes	
5:15 pm - 5:30 pm	<b>A-1560 Artificial tubular exchange bias domain patterns for paternoster-like transport of magnetic particles</b> H. Huckfeldt	<b>A-1685 Relativistic spin dynamics applied to ultrafast magnetic phenomena</b> R. Mondal	<b>A-1454 Damped localized excitations in <math>\kappa\pi</math>-skyrmions</b> L. Rózsa	<b>A-1796 Relationship between microstructure and properties of soft magnetic materials for electric motor applications</b> D. Goll	<b>A-2123 Exploring the magnetic properties of BiFeO<sub>3</sub>-PbTiO<sub>3</sub> based ceramics</b> A. Kumar	
5:30 pm - 5:45 pm	<b>A-2135 Influence of segment length on domain wall pinning in multisegmented Co/Ni nanowires for next generation data storage</b> H. Mohammed	<b>A-1621 Ultrafast relaxation dynamics in a Kitaev spin-liquid candidate <math>\alpha</math>-RuCl<sub>3</sub></b> S. Y. Agustsson	<b>A-2128 Multiscale model for the noncentrosymmetric B20-type crystals</b> S. Grytsiuk	<b>A-2264 Magnetocaloric effect and magnetoelectric coupling in Fe-Rh films</b> A. Amirov	<b>A-2272 Magnetoelectric properties of rare-earth langasite Ho<sub>0.09</sub>La<sub>2.91</sub>Ga<sub>5</sub>SiO<sub>14</sub></b> N. Kostyuchenko	
5:45 pm - 6:00 pm	<b>A-2241 Layer-resolved magnetic imaging of domains in multilayered mesoscale tubes and their response to magnetic field</b> M. Stano	<b>A-1627 All optical switching and ultrafast magnetization dynamics in doped FePt thin films</b> M. Stiehl	<b>A-2185 Skyrmions with arbitrary topological charge in chiral magnets</b> F. N. Rybakov	<b>A-1899 Micromagnetic simulations of the dynamics in an antiferromagnetic spin-Hall oscillator</b> V. Puliafito	<b>A-1240 Ferroelectric ferrimagnetic LiFe<sub>2</sub>F<sub>6</sub>: charge ordering mediated magnetoelectricity</b> S. Dong	
6:15 pm - 9:15 pm	<b>Welcome Reception at exhibition</b>					

Tuesday, September 04th, 2018

	Gutenberg-Saal A	Gutenberg-Saal B	Gutenberg-Saal C	Gutenberg-Saal D	Kongress-Saal	Poster Sessions
7:00 am - 8:30 am	<b>Registration</b> coffee / tea will be served					
8:30 am - 9:15 am					<b>Antiferromagnetic spintronics (Tomas Jungwirth)</b> T. Jungwirth <i>Chair:</i> M. Jourdan	
9:20 am - 10:00 am			<b>Merging spin and light in organic devices (Luis E. Hueso)</b> L. E. Hueso <i>Chair:</i> E. R. McNellis		<b>Magnetic Skyrmions – Scientific fascination meets use-inspired design for future information technology (Stefan Bluegel)</b> S. Bluegel <i>Chair:</i> M. Jourdan	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
10:15 am - 12:15 pm	<b>SP1.1</b> <b>SP1 - Parallel session 1</b> <i>Chair:</i> M. Rivas	<b>SP12.3</b> <b>SP12 - Parallel Session 3</b> <i>Chair:</i> H. Dürr	<b>SP15.1</b> <b>SP15 - Parallel Session 1</b> <i>Chair:</i> A. Chumak	<b>SP3.1</b> <b>SP3 - Parallel Session 1</b> <i>Chair:</i> N. Rougemaille	<b>SP13.4</b> <b>SP13 - Parallel Session 4</b> <i>Chair:</i> A. Solignac	
10:15 am - 10:30 am	<b>Multifunctional magnetic nanoparticle based-approaches for cancer treatment: therapy and biodegradation</b> A. Espinosa	<b>Talk in honor of JY Bigot and E Beaurepaire</b> U. Bovensiepen	<b>Time resolved magnetic soft X-ray microscopy: Presence and future</b> G. Schütz	<b>A-1849</b> <b>Artificial Spin Ice Inspired Computation using Nanomagnets</b> H. Arava	<b>Low-field switching of non-collinear interfacial magnetism in oxide heterostructures</b> K. Dörr	
10:30 am - 10:45 am		<b>A-1841</b> <b>The ultrafast AFM to FM phase transition of FeRh probed by</b>		<b>A-1539</b> <b>Study of the features of magnetic ordering in</b>		

		magnetic X-ray resonant scattering R. Carley		honeycomb layered oxides of transition metals A. Korshunov	
10:45 am - 11:00 am	<b>A-1208</b> Magnetic nanoparticle characterization using thermal noise magnetometry J. Leliaert	Light induced magnetization dynamics M. Aeschlimann	A-2118 Imaging of large amplitude strain spin waves F. Macià	Tunable geometrical frustration in magnonic vortex crystals C. Behncke	<b>A-1831</b> Analysis of magneto-elastic coupling mechanisms in FePt/BaTiO <sub>3</sub> bilayers through structural and magnetic characterization A. Román
11:00 am - 11:15 am	<b>A-1267</b> A trisymmetric magnetic microchip surface for unrestricted two-way directional movement of magnetic microbeads J. McCord		A-2186 Magnonic band structure in thin FeN magnetic films with stripe domains S. Tacchi		<b>A-1335</b> Study of the magnetic order in epitaxially strained thin films of multiferroic perovskite Sr <sub>1-x</sub> BaxMnO <sub>3</sub> by using low energy muon spin spectroscopy P. A. Algarabel
11:15 am - 11:30 am	<b>A-1290</b> Detection of Micron to Submicron Biologic Objects with Giant Magneto-Resistive Sensors M. Giraud	A-1846 Spin currents generated during ultrafast demagnetization K. Carva	A-2211 Programmable control of spin-wave transmission in a domain-wall spin valve S. van Dijken	A-1140 Balanced nanomagnetic logic gate in Kagome spin ice P. Gypens	<b>A-1564</b> Enhanced interface magnetism by structural reconstruction in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures J. I. Beltrán
11:30 am - 11:45 am	<b>A-1400</b> Functionalized Iron Nanowires for Chemical and Photothermal	A-1871 Magnetic and Structural Dynamics in Antiferromagneticall	A-2350 Micromagnetic simulations of non-reciprocal Hawking radiation from	A-2173 Lieb-Mattis theorem and spin frustration in molecular nanomagnets	<b>A-1555</b> Pulsed Laser deposition of oxide thin films on buffered Si(100)

	<b>Cancer Cell Death Induction</b> A. Martinez-Banderas	<b>y Coupled Fe/Cr Superlattices</b> D. Schick	<b>magnonic black hole</b> M. Dvornik	G. Kamieniarz	<b>substrates</b> L. Steren	
11:45 am - 12:00 pm	<b>A-1542</b> <b>Parametric analysis of magnetic nanostructures for hyperthermia applications</b> R. Ferrero	<b>A-1878</b> <b>Spin – charge interconversion at nonmagnetic metal/oxide interface mediated by light and spin orbit interaction</b> J. Puebla	<b>A-1616</b> <b>Local spin-wave dispersion and damping in thin yttrium-iron-garnet films</b> R. Dreyer	<b>A-2333</b> <b>High Spin Cycles: Topping the Spin Record for a Single Molecule verging on Quantum Criticality</b> J. Schnack	<b>A-1648</b> <b>Electrically modulated magnetoelectric composites for sensing small magnetic fields</b> P. Hayes	
12:00 pm - 12:15 pm	<b>A-1544</b> <b>Surface Modified Magnetic Nanowires for Inducing Leukemia Cells death</b> N. Alsharif	<b>A-1893</b> <b>Exchange and Elliott-Yafet scattering in a ferromagnetic multi-sublattice model</b> K. Leckron	<b>A-2204</b> <b>Optimizing propagating spin wave spectroscopy as a technique to determine the Dzyaloshinskii-Moriya interaction</b> C. F. Schippers	<b>A-1806</b> <b>A High-Temperature Quantum Spin Liquid with Atomic-Cluster Spins in 1T-TaS<sub>2</sub></b> D. Arcon	<b>A-1356</b> <b>Correlation of Oxygen Vacancies and Magnetism in La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Thin Films in Vertical Memristive Devices</b> M. Wilhelm	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
01:30 pm - 03:30 pm	<b>SP5.4</b> <b>SP5 - Parallel Session 4</b> <i>Chair:</i> J. Bokor	<b>SP6.1</b> <b>SP6 - Parallel Session 1</b> <i>Chair:</i> L. Manosa	<b>SP14.3</b> <b>SP14 - Parallel Session 3</b> <i>Chair:</i> B. Dupe	<b>SP17.1</b> <b>SP17 - Parallel Session 1</b> <i>Chair:</i> G. Bauer	<b>SP9.2</b> <b>SP9 - Parallel Session 2</b> <i>Chair:</i> S.-B. Choe	
1:30 pm - 1:45 pm	<b>A-2338</b> <b>Domain structures in Fe<sub>100-x</sub>Ga<sub>x</sub>/MgO(001) films</b> A. Begué	<b>Magnetism of Magnetic Shape Memory Films: Recent developments</b> V. Chernenko	<b>A-1420</b> <b>Trochoidal motion and pair generation in skyrmion and antiskyrmion dynamics driven by spin-orbit torques</b> U. Ritzmann	<b>A-1174</b> <b>Longitudinal spin Seebeck effect in a magnetic insulator induced by ballistic transport of quasi-acoustic thermal magnons</b> V. Vasyuchka	<b>Measurement Schemes of Dzyaloshinskii-Moriya Interaction Based on Domain-Wall Dynamics in Ferromagnetic Thin Films</b> S.-B. Choe	

1:45 pm - 2:00 pm	<b>A-1051</b> Magnetic anisotropy in sputtered Ga-rich Fe-Ga thin films R. Ranchal		<b>A-1302</b> Understanding and controlling singularities in magnetic multilayers with X ray microscopy. S. Ferrer	<b>A-1795</b> Thermodynamic reciprocity of the spin Seebeck and spin Peltier effects V. Basso	
2:00 pm - 2:15 pm	<b>A-1663</b> Magnetoelastic and Damping Properties of $\text{Co}_2\text{Fe}_x\text{Mn}_{1-x}\text{Si}$ Heusler Alloys Thin Films O. Chumak	<b>A-1037</b> Flexible strain direction sensing devices based on magnetoresistive and magnetoelastic effects S. Ota	<b>A-1637</b> Skyrmion lifetimes in exchange frustrated ultrathin films S. von Malottki	<b>Observation of anisotropic magneto-Peltier effect</b> K.-i. Uchida	<b>A-1937</b> Spin-orbit torques and magnetization switching in epitaxial Pd/Co <sub>2</sub> FeAl/MgO heterostructures M. S. Gabor
2:15 pm - 2:30 pm	<b>A-2001</b> Relationship between spacer material and thickness on the damping and anisotropy of CoFeB in perpendicular double MgO free layer for MRAM S. Couet	<b>A-1470</b> Innovative technique for thin films magnetostriction measurements by scanning probe microscopy M. Coisson	<b>A-1758</b> Simultaneous stabilization of skyrmions and antiskyrmions in rank-1 DMI materials allowing the concept of a skyrmion-antiskyrmion racetrack memory M. Hoffmann		<b>A-1970</b> Resonant expulsion of a magnetic vortex core excited by RF torques: towards real time threshold RF detectors S. Menshawy
2:30 pm - 2:45 pm	<b>A-1162</b> Mechanisms of electric field effect on magnetism in Pt/Co with solid-state gating under different fabrication condition T. Hirai	<b>A-1948</b> Influence of atomic disorder on the ground state of Ni-Co-Mn-Sn alloys with regular and inverse Heusler structures V. Sokolovskiy	<b>A-1534</b> Thermal stability of metastable magnetic skyrmions: Entropic narrowing and significance of internal eigenmodes L. Desplat	<b>A-1524</b> Role of the Magnon Dispersion in the Spin Seebeck Effect in Fe <sub>3</sub> O <sub>4</sub> Thin Films G. Venkat	<b>A-1038</b> Imaging spin diffusion in germanium at room temperature C. Zucchetti
2:45 pm - 3:00 pm	<b>A-1379</b> Large Room	<b>A-1940</b> On the symmetry of	<b>A-1614</b> Skyrmion diffusion	<b>A-2083</b> Spin Seebeck effect	<b>A-1112</b> Spin-orbitronics in

	<b>Temperature Voltage Control of Magnetic Anisotropy in SrTiO<sub>3</sub>/Co/Pt</b> B. Vermeulen	<b>the martensitic transformation in Ni<sub>2</sub>MnGa</b> F. Orlandi	<b>in thin film multilayers</b> M. Weißenhofer	<b>and phonon energy transfer in heterostructures containing layers of a normal metal and a ferromagnetic insulator</b> V. Shklovskij	<b>graphene/Transition Metal Dichalcogenide heterostructures</b> J. H. Garcia
3:00 pm - 3:15 pm	<b>A-1746 Voltage-induced magneto ionic switching of anisotropy and magnetic domains in FeOx/Fe nanostructures</b> J. Zehner	<b>A-2093 Prediction of new quaternary Heusler compounds with half-metallic ferromagnetism and large Curie temperatures</b> B. Sanyal	<b>A-1601 Fluctuating skyrmion ensembles on finite Pd/Fe/Ir(111) nanoislands</b> A. F. Schäffer	<b>A-1605 Temperature dependence of the non-local spin Seebeck effect in YIG/Pt nanostructures</b> T. Wimmer	<b>A-1122 Unveiling the mechanisms of the spin Hall effect in Ta</b> E. Sagasta
3:15 pm - 3:30 pm	<b>A-1061 Magnetic reorientation in anisotropic Heisenberg ferromagnets</b> J. Vanherck	<b>A-1461 Origin of the enhanced magnetostriction of Galfenol at high Ga contents</b> S. Gallego	<b>A-1204 In situ Lorentz TEM of Magnetic Domains in FeRh Thin Film</b> M. S. Gorji	<b>A-1082 Observation of an interface-induced anomalous Nernst effect in Fe<sub>3</sub>O<sub>4</sub>/Pt-based heterostructures</b> R. Ramos	<b>A-1198 Observation of the conversion between charge and spin in a Rashba channel</b> H. C. Koo
3:30 pm - 4:00 pm	<b>Afternoon Coffee Break</b>				
04:00 pm - 06:00 pm	<b>SP5.5 SP5 - Parallel Session 5</b> <i>Chair:</i> T. Jungwirth	<b>SP12.4 SP12 - Parallel Session 4</b> <i>Chair:</i> P. Oppeneer	<b>SP15.2 SP15 - Parallel Session 2</b> <i>Chair:</i> S. Tacchi	<b>SP3.2 SP3 - Parallel Session 2</b> <i>Chair:</i> J. Schnack	<b>SP9.3 SP9 - Parallel Session 3</b> <i>Chair:</i> T. van der Sar
4:00 pm - 4:15 pm	<b>A-1054 Direct Measurement of the Intrinsic Sharpness of Magnetic Interfaces Formed by Ion Beams</b>	<b>A-1959 Spectral and polarization selective ultrafast photo-magnetic switching in iron garnet</b>	<b>A-1633 Exchange-torque-induced excitation of perpendicular standing spin waves in nanometer-thick yttrium iron garnet</b>	<b>A-1920 Elementary excitations and stability of the spin-stripe state in a quantum spin chain</b> D. Arčon	<b>A-1217 Spin-Orbit Torques At Disordered Interfaces</b> D. Prychynenko

	G. Causer	K. Szerenos	films H. Qin			
4:15 pm - 4:30 pm	<b>A-1080</b> Disorder-induced ferromagnetism in $\text{Fe}_{60}\text{Al}_{40}$ films on a local scale A. Smekhova	<b>A-2076</b> Reversing the exchange bias using all-optical helicity-dependent magnetic switching P. Vallobra	<b>A-1651</b> An integrated magnonic half-adder T. Brächer	<b>A-2382</b> Spin dynamics of the classical spin nematic spinel $\text{LiGa}_{0.95}\text{In}_{0.05}\text{Cr}_4\text{O}_8$ G. J. Nilsen	<b>A-1968</b> Study of Low offset frequency noise in vortex spin torque nano-oscillators S. Wittrock	
4:30 pm - 4:45 pm	<b>A-1740</b> Modification of the magnetization ordering in Pt/Co/Pt trilayers depending on the scanning direction of the focused ion beam P. Mazalski	<b>A-2126</b> Unraveling the phonon magnon coupling, theory and first principles simulations Ab initio microscopic theory of phonon-magnon interactions P. Maldonado	<b>A-1674</b> Local spin-wave modes in 2D array of dipolarly coupled magnetic nanodots with a "defect" dot R. Verba	<b>A-1146</b> Artificial spin systems as experimental simulators of frustrated magnets: from the fragmentation of magnetization to the six vertex model N. Rougemaille	<b>A-1331</b> Large unidirectional spin Hall magnetoresistance induced by highly spin-polarised Heusler compounds C. Lidig	
4:45 pm - 5:00 pm	<b>A-2179</b> Magnetic anisotropy of nanostructured ferrite oxides K. Pitala	<b>A-2174</b> Influence of interface alloying on ultrafast spin dynamics in Co/Pt heterostructures C. Strüber	<b>A-1700</b> Angular Dependent Magnetization Dynamics of Quasicrystalline Nanomagnet Lattices V. Bhat	<b>A-1791</b> Superspin-glass type behavior in single- and polycrystalline supercrystals M. Smik	<b>A-1347</b> Dispersion relation of the interlayer exchange coupled tailored ferrimagnets S. Sorokin	
5:00 pm - 5:15 pm	<b>A-1664</b> Ultrafast single laser pulse demagnetization via domain formation J. Kisielewski	<b>A-2234</b> Ultrafast magnetization dynamics and switching in ferrimagnets with and without compensation temperature M. Davydova	<b>A-1708</b> How to generate whispering gallery magnons K. Schultheiss	<b>A-1699</b> A classification of frustration from topology K. Roychowdhury	<b>A-1385</b> Optimization of the spin-to-charge conversion signal in CoFe/Pt local spin injection devices I. Groen	<b>P-A</b> <b>Poster A</b> SP1, SP3, SP5 (1/3), SP5, SP8, SP10



5:15 pm - 5:30 pm	<b>A-2099</b> Time resolved MOKE measurements with calibrated lattice Temperature L. Willig	<b>A-2253</b> Electron dynamics driving ultrafast demagnetization in itinerant ferromagnets and alloys B. Rethfeld	<b>A-1925</b> Magnonic properties of dipolar coupled assemblies of few nanoparticles B. Zingsem	<b>A-1167</b> Collective magnetism in an artificial 2D XY spin system N. Leo	<b>A-1393</b> Spin transport through interfaces: how temperature matters K. Gupta	
5:30 pm - 5:45 pm	<b>A-1116</b> Magnetic Proximity Effect and Exchange Coupling in Pt/Cr Bilayers M. Asa	<b>A-2255</b> On-chip generation of unipolar THz current pulses by the inverse spin Hall effect W. Hoppe	<b>A-1990</b> Spin-wave generation by radio-frequency spin-orbit torque antenna: torques and efficiencies G. Talmelli	<b>A-1219</b> Interaction radius influence on phase transition in artificial kagome spin ice P. Andriushchenko	<b>A-1407</b> Spin pumping in ferrimagnets: Bridging ferro- and antiferromagnets A. Kamra	
5:45 pm - 6:00 pm	<b>A-1426</b> Direct printing of metallic 3D magnetic nanostructures by focused electron beam induced deposition M. Huth	<b>A-2342</b> Ultrafast spin dynamics in transition metal dichalcogenides probed by terahertz spectroscopy L. Nadvornik	<b>A-2044</b> Nonlinear spin conductance of yttrium iron garnet thin films driven by large spin-orbit torque N. Thiery	<b>A-1234</b> Exotic phenomena in the new frustrated two-leg ladder $\text{Li}_2\text{Cu}_2\text{O}(\text{SO}_4)_2$ O. Vaccarelli	<b>A-1500</b> Strongly anisotropic spin relaxation in graphene-transition metal dichalcogenide heterostructures at room temperature L. A. Benítez	
6:00 pm - 6:30 pm	<b>Refreshments, Exhibition, and Poster Session A</b>					
6:30 pm - 7:00 pm						
7:00 pm - 9:00 pm						
Wednesday, September 05th, 2018						
	Gutenberg-Saal A	Gutenberg-Saal B	Gutenberg-Saal C	Gutenberg-Saal D	Kongress-Saal	Poster Sessions
7:00 am - 8:30 am	<b>Registration</b> coffee / tea will be served					
8:30 am - 9:15 am					<b>Magnetic Skyrmions: From Topology to Technology</b>	

					(Geoffrey Beach) G. S. D. Beach <i>Chair:</i> K. Everschor-Sitte
9:20 am - 10:00 am			<b>Ultrafast Spintronics (Jeffrey Bokor)</b> J. Bokor <i>Chair:</i> M. Aeschlimann		<b>Magnonic quantum Hall and topological insulator effects in magnets (Daniel Loss)</b> D. Loss <i>Chair:</i> B. Hillebrands
10:00 am - 10:15 am	<b>Morning Coffee Break</b>				
<b>10:15 am - 12:15 pm</b>	<b>SP4.1</b> SP4 - Parallel session 1 <i>Chair:</i> R. Ferreira	<b>SP5.6</b> SP5 - Parallel Session 6 <i>Chair:</i> B. Dupe	<b>SP7.1</b> SP7 - Parallel Session 1 <i>Chair:</i> V. A. Dediu	<b>SP8.2</b> SP8 - Parallel Session 2 <i>Chair:</i> M. Meinert	<b>SP17.2</b> SP17 - Parallel Session 2 <i>Chair:</i> P. Gambardella
10:15 am - 10:30 am	<b>The Pursuit Of Saving Energy Consumption Of Memory Systems By Mrams, From Stt-Mram To Voltage-Control Spintronics Memory (VoCSM)</b> H. Yoda	<b>A-1466</b> <b>Geometrically defined spin structures in ultrathin Fe<sub>3</sub>O<sub>4</sub> with bulk like magnetic properties</b> M. Foerster	<b>Covalent functionalization of gold and carbon based substrates with an organic radical for sensing and molecular (spin)electronics applications</b> N. Crivillers	<b>A-1317</b> <b>Current induced Néel vector manipulation and large AMR of Mn<sub>2</sub>Au</b> M. Jourdan	<b>Probing magnon-phonon and magnon-electron interactions via thermoelectric measurements</b> R. Zarzuela
10:30 am - 10:45 am		<b>A-1603</b> <b>Double magnetic proximity in Fe/Fe<sub>0.32</sub>V<sub>0.68</sub> superlattices</b> H. Palonen		<b>A-1471</b> <b>Dynamical spin-orbitronic effects in ferro- and antiferromagnets</b> F. Souza Mendes Guimarães	
10:45 am - 11:00 am	<b>A-1046</b> <b>Magneto-resistive sensors for detection of</b>	<b>Spin-fluctuation effects of single adatoms from first principles</b>	<b>A-1186</b> <b>Theoretical modeling of spin diffusion length,</b>	<b>Spintronics with magnetoelectric antiferromagnetic thin films</b>	<b>A-1341</b> <b>Thermally activated Domain Wall Motion</b> P. Graus

	<p>magnetic resonance at micron scale A. Doll</p>	<p>J. Ibañez-Azpiroz</p>	<p>spin-filter and spin Hall effects in organics M. R. Mahani</p>	<p>D. Makarov</p>	
<p>11:00 am - 11:15 am</p>	<p>A-1623 Domain wall as a tunable spin wave phase shifter R. Yanes</p>		<p>A-1236 Tailoring the spin structure of surface alloys by adsorption of organic molecules B. Stadtmüller</p>		<p>A-1800 Domain wall dynamics of ferrimagnets in temperature gradients A. Donges</p>
<p>11:15 am - 11:30 am</p>	<p>A-1206 Comprehensive model of the <math>\Delta E</math> effect for cantilever magnetic field sensors B. Spetzler</p>	<p>A-1612 Magnetization reversal in electrodeposited FePd sub-micron structures M. Cialone</p>	<p>A-1394 Tuning spin injection by molecular design A. Wittmann</p>	<p>A-1712 Electrical control of antiferromagnetic domain walls S. Reimers</p>	<p>A-1728 Thermoelectrical detection of magnetization reversal in Pt/Ir/Co nanowires with interfacial Dzyaloshinskii–Moriya interaction A. Fernández Scarioni</p>
<p>11:30 am - 11:45 am</p>	<p>A-1339 Single Domain Stabilization with Antiparallel Exchange Bias – A Novel Concept for Low Noise Composite Magnetoelectric Sensors M. Klug</p>	<p>A-1666 Imaging the magnetization reversal in strongly exchange-coupled bilayers of TbFe and Co/Pt A.-O. Mandru</p>	<p>A-1543 What is true and what is false: The magnitude of the inverse spin-Hall effect in PEDOT:PSS M. M. Qaid</p>	<p>A-2352 Field-Free Spin-Orbit Torque-Induced Magnetization Switching and Spin Hall Magnetoresistance in Exchange-Biased W/Co/NiO system K. Grochot</p>	<p>A-1287 Coherent control of acoustic-wave-induced magnetization dynamics in magnetic tunnel junctions H. W. Schumacher</p>
<p>11:45 am - 12:00 pm</p>	<p>A-2018 Nanometer-scale magnetic field imaging with a scanning SQUID-on-tip</p>	<p>A-1554 Bonding character and magnetism at the interface between Fe and MoS<sub>2</sub> nanosheets</p>	<p>A-1617 Spin precession and spin Hall effect in monolayer graphene/Pt nanostructures</p>	<p>A-1950 Probing Pt/Ir<sub>x</sub>Mn<sub>1-x</sub> Interface Magnetism via Spin Hall Magnetoresistance T. H. Kim</p>	<p>A-2311 Controlling three-dimensional temperature gradients in magnetic tunnel</p>

	G. Romagnoli	R. Mantovan	W. Savero Torres		<b>junctions: Anomalous Nernst effect</b> J. Walowski
12:00 pm - 12:15 pm	<b>A-1506</b> Magnetic position sensor system with submicron accuracy J. Paul	<b>A-1760</b> Tuning the magnetic properties of Mn <sub>5</sub> Ge <sub>3</sub> by C doping L. Michez	<b>A-1778</b> Magnetocaloric effect in thin films of Prussian blue analogues M. Fitta	<b>A-2384</b> Parameters Controlling Switching of Antiferromagnetic CuMnAs Memory Cells K. Olejnik	<b>A-1334</b> Thermoelectric Spin Voltage in Graphene J. F. Sierra
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session				
1:30 pm - 2:15 pm			<b>Suspended in time and space: temporal and spatial challenges facing spin-orbitronics</b> P. Gambardella <i>Chair:</i> B. Koopmans		<b>Multifunctional shape-memory ferromagnets: challenges and perspectives</b> A. Planes <i>Chair:</i> M. Jourdan
<b>02:30 pm - 04:00 pm</b>					<b>Peter Grünberg Honorary Session</b>
2:30 pm - 3:00 pm					<b>Peter Grünberg, the GMR Effect and the birth of spintronics</b> S. Bluegel
3:00 pm - 3:30 pm					<b>Brillouin Light Scattering and Interlayer coupling</b> S. Demokritov
3:30 pm - 4:00 pm					<b>From MRAM to the new era of spintronics</b> P. Gambardella

4:30 pm - 6:30 pm	<b>Refreshments, Exhibition, and Poster Session B</b>					<b>P-B Poster B</b> SP5 (1/3), SP7, SP9, SP11, SP12, SP13, SP17
7:00 pm - 11:00 pm	<b>Congress dinner at Schloss Mainz</b>					
Thursday, September 06th, 2018						
	Gutenberg-Saal A	Gutenberg-Saal B	Gutenberg-Saal C	Gutenberg-Saal D	Kongress-Saal	Poster Sessions
7:00 am - 8:30 am	<b>Registration</b> coffee / tea will be served					
8:30 am - 9:15 am					<b>Neuromorphic computing with spintronic nanodevices (Julie Grollier)</b> J. Grollier <i>Chair:</i> D. Pinna	
9:20 am - 10:00 am			<b>Magnetic properties of nickelate films and nickelate based heterostructures (Jean-Marc Triscone)</b> J.-M. Triscone <i>Chair:</i> B. Dupe		<b>Exploring Condensed Matter Physics using Nitrogen Vacancy Center Magnetometers (Amir Yacoby)</b> A. Yacoby <i>Chair:</i> D. Loss	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
<b>10:15 am - 12:15 pm</b>	<b>SP18.1</b> SP18 - Parallel Session 1 <i>Chair:</i> P. King	<b>SP3.3</b> SP3 - Parallel Session 3 <i>Chair:</i> N. Leo	<b>SP15.3</b> SP15 - Parallel Session 3 <i>Chair:</i> S. Nikitov	<b>SP16.1</b> SP16 - Parallel Session 1 <i>Chair:</i> J. Majer	<b>SP11.1</b> SP11 - Parallel Session 1 <i>Chair:</i> V. Puliafito	

10:15 am - 10:30 am	Imaging of nanoscale superparamagnetism in magnetic topological insulators and at oxide interfaces E. Zeldov	A-2030 Imaging the magnetic stray field of an artificial chiral spin ice system M. Wyss	Unconventional spin currents in obliquely magnetized magnetic films B. Hillebrands	A-1059 Endohedral Fullerenes as Molecular Qubits S. Jiang	Coupling atomistic and continuum modelling of magnetism M. Poluektov
10:30 am - 10:45 am		A-1727 Interaction Induced Special Temperatures in Frustrated Magnets and Gases P. Henelius		A-1250 A Two-Qubit Molecular Architecture for Electron-mediated Quantum Simulation M. Atzori	
10:45 am - 11:00 am	A-1460 Electronic properties in chiral spin textures from non-commutative quantum mechanics F. R. Lux	Spin dynamics in artificial spin ice B. Jungfleisch	A-1376 Bose-Einstein Condensation of Magnons by an Instantaneous Cooling A. Chumak	Diamond Quantum Hybrid Devices for Quantum Simulation and Sensing M. Plenio	A-1463 Analogue simulation of three dimensional magnetic self assembly processes L. Abelman
11:00 am - 11:15 am	A-1687 Chemical, structural and magnetic properties of the Fe/Sb <sub>2</sub> Te <sub>3</sub> interface E. Longo		A-1382 Spin-Wave Optics in Magnetization Landscapes M. Vogel		A-1632 Solving large-scale magnetostatic problems in finite-element micromagnetics with H <sub>2</sub> matrices R. Hertel
11:15 am - 11:30 am	A-1805 Spin-charge interconversion in Bismuth films grown on Ge(111) A. Marty	A-1163 Alloy disorder and fluctuating magnetic moments in the Earth's core V. Drchal	A-1383 Spin waves in nanometer epitaxial Galfenol films driven by ultrafast changes of magnetic anisotropy N. Khokhlov	A-1405 Fingerprints of Mn <sub>12</sub> , the forefather of Molecular Nanomagnets A. Chiesa	A-1814 Massively parallel micromagnetic simulations of small-size nanoelements with applications to STT-MRAM devices D. Berkov
11:30 am - 11:45	A-1827	A-2074	A-1408	A-1493	A-1901

am	Spin-orbit torque-ferromagnetic resonance with topological insulators F. Bonell	Critical behaviour and evidence of low-energy orbital excitations in $\gamma$ - $\text{Li}_2\text{FeSiO}_4$ R. Klingeler	Significantly enhanced magnon-photon coupling in an inverted splitting resonator/thin film YIG hybrid system B. Kim	Coherent coupling of molecular spins with microwave photons in planar superconducting resonators A. Ghirri	A 2.5D micromagnetic solver for randomly distributed magnetic thin objects A. Manzin	
11:45 am - 12:00 pm	A-2006 First-principles method of calculating spin-orbit torque (SOT) in Co/heavy metal and Co/ topological insulator heterostructures M. F. Islam	A-1905 Experimental investigation of kagomé artificial colloidal ice A. Le Cunuder	A-1549 Nanoscale spin-wave circuits based on engineered reconfigurable spin-textures E. Albisetti	A-1659 Anisotropy of $\text{Co}^{\text{II}}$ transferred to the $\text{Cr}_7\text{Co}$ polymetallic cluster via strong exchange interactions E. Garlatti	A-2016 Numerical integration of generalized Landau-Lifshitz-Gilbert equation based on the mid-point rule C. Serpico	
12:00 pm - 12:15 pm	A-2007 Highly efficient spin-to-charge current conversion in strained HgTe surface states protected by a HgCdTe layer P. Noël	A-1658 Dynamical magnetic properties of interacting ultra-small nanoparticle systems R. Mathieu	A-1611 Direct observation of broadband coherent magnetization wave emissions from magnetic domain walls R. B. Holländer	A-2084 Coherent coupling between $\text{CsNiCr}$ single-domain magnetic nanoparticles and microwave photons in a planar waveguide resonator A. Ghirri	A-2078 Coupled lattice and spin dynamics from second principle X. He	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
01:30 pm - 03:30 pm	SP1.2 SP1 - Parallel session 2 Chair: A. Espinosa	SP5.7 SP5 - Parallel Session 7 Chair: V. Neu	SP14.4 SP14 - Parallel Session 4 Chair: D. Pinna	SP8.3 SP8 - Parallel Session 3 Chair: A. Manchon	SP6.2 SP6 - Parallel Session 2 Chair: F. Albertini	
1:30 pm - 1:45 pm	Magnetoelectric Magnetic Field	A-1819 Magnetic anisotropy	A-1801 Exchange coupling	A-1450 Magnetoelectronic	A novel multicaloric cooling cycle that	

	<b>Sensors</b> E. Quandt	<b>and depth-resolved magnetization in Pt/Co<sub>80</sub>Cr<sub>20</sub>/Pt trilayers</b> F. Fettar	<b>torque in antiferromagnetically coupled Co/Gd bilayer system</b> R. Bläsing	<b>properties of the non-collinear antiferromagnet Mn<sub>3</sub>Zn<sub>0.5</sub>Ge<sub>0.5</sub>N</b> S. Deng	<b>exploits thermal hysteresis</b> T. Gottschall
1:45 pm - 2:00 pm		<b>A-1913 Temperature dependent sign inversion of large uniaxial magnetostriction in the nanolaminated MAX phase Mn<sub>2</sub>GaC</b> I. Novoselova	<b>A-1907 Two creep regimes induced by strong current actions on ferrimagnetic domain walls</b> E. Haltz	<b>A-1274 Angle dependent magnetoresistance in nonmagnet/antiferromagnet metallic heterostructures</b> S. DuttaGupta	
2:00 pm - 2:15 pm	<b>A-1602 Local and in-vivo neuronal recordings by micro-sized giant magnetoresistance sensors</b> M. Pannetier-Lecoecur	<b>A-1523 Iron-based magnetic nanostructures in large area fabricated by glancing angle deposition with magnetron sputtering</b> J. M. Garcia-Martin	<b>A-2102 Ultrafast and ultrasmall: domain walls and skyrmions in compensated ferrimagnetic thin films</b> L. Caretta	<b>A-1792 Broadband spintronics diodes for energy harvesting</b> M. Carpentieri	<b>A-2316 Spin transport in graphene on SrTiO<sub>3</sub> and its temperature dependence</b> S. Chen
2:15 pm - 2:30 pm	<b>A-1656 Separation of excitation and detection coils to locate superparamagnetic iron oxide nanoparticles in vivo</b> M. M. van de Loosdrecht	<b>A-2087 Magnetic properties of (Y<sub>1-x</sub>Ce<sub>x</sub>)Co<sub>5</sub> thin films and bulk single crystals</b> S. Sharma	<b>A-1657 Material Systems for Skyrmions in Co-based Multilayers</b> B. Zimmermann	<b>A-2091 Quantum Anomalous Hall Effect and Anderson Chern Insulating Regime in noncollinear Antiferromagnetic 3Q State</b> A. About	<b>A-2046 Domain wall pinning in magnetic shape memory alloys with small and enlarged magnetic hysteresis</b> L. Straka
2:30 pm - 2:45 pm	<b>A-1733 AMR sensors made of La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub> epitaxial thin films</b>	<b>A-2225 Spin-orbit gaps in ferromagnetic thin films</b> L. Plucinski	<b>A-1771 Interlayer Dzyaloshinskii-Moriya interactions</b> E. Y. Vedmedenko	<b>A-2156 Auto-oscillations in antiferromagnetic domain walls excited by spin</b>	<b>A-1872 Engineering Hierarchical Martensite Twins in Epitaxial Magnetic</b>



	<b>for neuronal activity measurement</b> O. Rousseau			<b>currents</b> R. Khymyn	<b>Shape Memory Films by Tuning Growth Conditions and Post-Growth Treatments</b> M. Takhsha Ghahfarokhi	
2:45 pm - 3:00 pm	<b>A-2183</b> <b>On-chip detection of Malaria-infected red blood cells</b> R. Bertacco	<b>A-2233</b> <b>Ultrathin antiferromagnetic oxides with tunable properties</b> M. Foerster	<b>A-1173</b> <b>Effective description of magnetic domain walls and skyrmions in ferromagnets and antiferromagnets</b> D. Rodrigues	<b>A-1789</b> <b>Spin currents in non-collinear antiferromagnets</b> J. Železný	<b>A-1462</b> <b>Magnetic characteristics of polycrystalline NiTi film</b> A. Kyianytsia	
3:00 pm - 3:15 pm	<b>A-2296</b> <b>Dynamical Magnetic Response of Iron Oxide Nanoparticles inside Live Cells</b> F. J. Teran	<b>A-2254</b> <b>Imaging the confinement effects on the metamagnetic behavior of FeRh structures</b> M. Horký	<b>A-1707</b> <b>Skyrmions like it Hot – Temperature Dependence of the Skyrmion Hall Effect</b> N. Kerber	<b>A-2208</b> <b>Spin Hall effects in non-collinear antiferromagnetic Mn<sub>3</sub>X (X = Ir, Sn, Ge) thin-films</b> J. Taylor	<b>A-1403</b> <b>Origin of modulation in Ni<sub>2</sub>Mn<sub>1.4</sub>In<sub>0.6</sub> magnetic shape memory alloy</b> P. Devi	
3:15 pm - 3:30 pm	<b>A-1065</b> <b>Combined magnetic hyperthermia and drug release by hydrotalcite-coated Fe<sub>3</sub>O<sub>4</sub> nanoparticles</b> K. Simeonidis	<b>A-1946</b> <b>Magnetization processes in FeNi cylindrical nanowires with chemical notches</b> L. Perez	<b>A-1164</b> <b>Probing the ultimate size limit of artificial magnetic domains in exchange-biased thin films</b> A. Gaul	<b>A-1823</b> <b>Spin Hall magnetoresistance in antiferromagnetic NiO/Pt bilayers</b> M. Opel	<b>A-1062</b> <b>Magneto-optical study of spiral domains in amorphous microwires</b> A. Chizhik	
3:30 pm - 4:00 pm	<b>Afternoon Coffee Break</b>					
<b>04:00 pm - 05:00 pm</b> <b>04:00 pm - 06:00 pm</b>	<b>SP18.2</b> <b>SP18 - Parallel Session 2</b> <i>Chair:</i> F. Bonell	<b>SP5.8</b> <b>SP5 - Parallel Session 8</b> <i>Chair:</i> J. Walowski	<b>SP14.5</b> <b>SP14 - Parallel Session 5</b> <i>Chair:</i> E. Y. Vedmedenko	<b>SP8.4</b> <b>SP8 - Parallel Session 4</b> <i>Chair:</i> M. Viret	<b>SP9.4</b> <b>SP9 - Parallel Session 4</b> <i>Chair:</i> D. Suess	
4:00 pm - 4:15 pm	<b>Ubiquitous formation of bulk</b>	<b>A-2411</b> <b>Comparison</b>	<b>A-1041</b> <b>Polymorphism of</b>	<b>A-1575</b> <b>Synthetic</b>	<b>A-2219</b> <b>Spin transfer torque</b>	

	<p><b>Dirac cones and topological surface states in transition-metal dichalcogenides</b> P. King</p>	<p><b>between magnetization reversal processes of bi- and tri-segmented diameter modulated nanowire arrays</b> V. Prida</p>	<p><b>the low-temperature metastable magnetic states in a strained FeGe lamella</b> V. Ukleev</p>	<p><b>antiferromagnetic coupling between ultra-thin insulating garnets</b> J. M. Gomez-Perez</p>	<p><b>ferromagnetic resonance in the magnetic heterostructures: interface transparency and spin memory loss</b> A. Kumar</p>	
4:15 pm - 4:30 pm		<p><b>A-2421</b> <b>Co<sub>2</sub>MnX (X=Si, Ge, Ga, Al, Sn) Half-Metal Magnetic grown by Molecular Beam Epitaxy</b> S. Andrieu</p>	<p><b>A-1264</b> <b>Effect of extended defects over the skyrmionic dynamics. Analytical and numerical treatment</b> C. Navau</p>	<p><b>A-1680</b> <b>Spin pumping and enhanced damping in the vicinity of the antiferromagnetic-ferromagnetic phase transition of FeRh</b> Y. Wang</p>	<p><b>A-2398</b> <b>Atomistic spin- and lattice-dynamics simulations: Method and applications</b> J. Hellsvik</p>	
4:30 pm - 4:45 pm	<p><b>A-2037</b> <b>Spin-split Landau levels of quasi 2D Dirac fermions dependent on antiferromagnetic order in EuMnBi<sub>2</sub></b> H. Sakai</p>	<p><b>A-1275</b> <b>X-ray magnetic circular dichroism discloses surface spins disorder in maghemite hollow nanoparticles</b> V. Bonanni</p>	<p><b>A-1281</b> <b>Complex Magnetic Bubbles in Patterned NdCo<sub>5</sub> Films with Weak Perpendicular Magnetic Anisotropy</b> A. Hierro Rodriguez</p>	<p><b>A-1374</b> <b>Interface proximity effects near a domain wall in antiferromagnet/superconductor heterostructures</b> V. Baltz</p>	<p><b>A-1763</b> <b>Spin-orbit phenomena in single crystalline Fe/GaAs (001) hybrid structures</b> L. Chen</p>	
4:45 pm - 5:00 pm	<p><b>A-2161</b> <b>First-principles studies of transition-metal magnetic impurities in topological Dirac materials</b> C. Holmqvist</p>	<p><b>A-1079</b> <b>Fe<sub>x</sub>Mn<sub>1-x</sub>/PMN-PT magnetic configuration around ferromagnetic/antiferromagnetic transition</b> G. M. Vinai</p>	<p><b>A-2141</b> <b>Universality of defect-skyrmion interaction profiles</b> I. L. Fernandes</p>	<p><b>A-1574</b> <b>Thermally induced ultrafast magnetization dynamics; ferromagnets vs antiferromagnets</b> U. Atxitia</p>	<p><b>A-2331</b> <b>Explicit proof of hole transport across a MgO-based magnetic tunnel junction due to oxygen vacancies</b> F. Schleicher</p>	
<b>05:00 pm - 06:00 pm</b>	<p><b>SP2.1</b> <b>SP2 - Parallel session 1</b> <i>Chair:</i> D. Perconte</p>					<p><b>P-C</b> <b>Poster C</b> SP2, SP4, SP5 (1/3), SP14, SP15, SP16, SP18</p>

5:00 pm - 5:15 pm	<b>Thermo- and magneto-electric Effects in ferromagnetic insulator-superconductor structures</b> S. F. Bergeret	<b>A-1388</b> <b>Cobalt magnetic moment in Co/Pd multilayers</b> N. Soriano	<b>A-1432</b> <b>Experimental observation of chiral magnetic bobbers in nanostructured FeGe</b> N. S. Kiselev	<b>A-1684</b> <b>Thin Film Granular Magnetolectric Antiferromagnets</b> A. Elsayed	<b>A-2354</b> <b>Geometric Phase Contributions to the Anomalous Nernst and Hall Effect in the Chiral Double Helimagnetic System</b> J. Gayles
5:15 pm - 5:30 pm		<b>A-1406</b> <b>Direct probe of electronic and magnetic properties at the g-Al<sub>2</sub>O<sub>3</sub>/SrTiO<sub>3</sub> interface</b> J. Mardegan	<b>A-2243</b> <b>Straight motion of magnetic defects in Fe-N thin films</b> L.-C. Garnier	<b>A-2221</b> <b>Growth and characterization of non-collinear antiferromagnetic Mn<sub>3</sub>Sn films</b> A. Markou	<b>A-2070</b> <b>Large spin mixing conductance in Bi-doped Cu/YIG interfaces</b> S. Ruiz-Gomez
5:30 pm - 5:45 pm	<b>A-2409</b> <b>Dynamic coupling in superconducting/ferromagnet interfaces</b> X. Palermo	<b>A-1418</b> <b>Insights into magnetic proximity effects at topological insulators/magnetic insulator interfaces using x-ray magnetic circular dichroism</b> A. I. Figueroa	<b>A-1504</b> <b>Quantitative magnetic imaging of skyrmions and related spin structures using off-axis electron holography</b> A. Kovács	<b>A-1088</b> <b>Ultrafast dynamics of antiferromagnets induced by spin-orbit torques</b> O. Gomonay	<b>A-2192</b> <b>Unconventional Superfluidity in Yttrium Iron Garnet Films</b> T. Nattermann
5:45 pm - 6:00 pm	<b>A-2428</b> <b>Electronic nematicity and structure in Co-doped LaFeAsO superconductors</b> L. Wang	<b>A-1553</b> <b>Altering magnetic and electronic properties of 3d metal ions in cuboid palladate nanoshells by hydrogenation</b> C. Schmitz-Antoniak	<b>A-2420</b> <b>Towards retrieving the 3D Spin Texture of Skyrmions in Thin Helimagnets</b> B. Rellinghaus	<b>A-1961</b> <b>Electrical conductivity of antiferromagnetic Dirac quasi-particles</b> K. Yamamoto	<b>A-2279</b> <b>Hydrodynamics and topological spin currents in amorphous magnets</b> R. Zarzuela
6:00 pm - 7:00 pm	<b>Refreshments, Exhibition, and Poster Session C</b>				

Friday, September 07th, 2018

	Gutenberg-Saal A	Gutenberg-Saal B	Gutenberg-Saal C	Gutenberg-Saal D	Kongress-Saal	Poster Sessions
7:00 am - 8:30 am	<b>Registration</b> coffee / tea will be served					
8:30 am - 9:15 am					<b>Artificial Ferroic Systems: from hybrid systems to magnetic metamaterials (Laura Heyderman)</b> L. Heyderman <i>Chair:</i> K. Everschor-Sitte	
9:20 am - 10:00 am			<b>Behavior of Dirac material with broken symmetry (Jagadeesh Moodera)</b> J. Moodera <i>Chair:</i> K. Everschor-Sitte		<b>Guiding the way to storage and sensor devices with magnetic simulations (Dieter Suess)</b> D. Suess <i>Chair:</i> G. Jakob	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
10:15 am - 12:15 pm	<b>SP7.2</b> SP7 - Parallel Session 2 <i>Chair:</i> R. Mattana	<b>SP15.4</b> SP15 - Parallel Session 4 <i>Chair:</i> V. Bhat	<b>SP14.6</b> SP14 - Parallel Session 6 <i>Chair:</i> N. S. Kiselev	<b>SP16.2</b> SP16 - Parallel Session 2 <i>Chair:</i> A. Gaita Arino	<b>SP4.2</b> SP4 - Parallel session 2 <i>Chair:</i> K. Garello	
10:15 am - 10:30 am	<b>Molecular scale dynamics of light-induced spin crossover in a two-dimensional layer</b> A. Bellec	<b>A-1096</b> Coherent excitation of heterosymmetric spin waves with ultrashort wavelengths J. Raabe	<b>Interplay of chiral energy and chiral dissipation in domain wall dynamics</b> I. M. Miron	<b>A-2322</b> Lanthanide molecular systems as information processing devices for quantum computing D. Aguilà	<b>Shape defined microelectronic functions</b> D. Karnaushenko	
10:30 am - 10:45		<b>A-1115</b>		<b>A-2336</b>		

am		Pure spin current driven excitation of propagating spin waves in a spin Hall nano-oscillator H. Fulara		Solid-state electron spin lifetime limited by phononic vacuum modes T. Astner	
10:45 am - 11:00 am	A-1794 Gluing lanthanides spins with unpaired electrons inside fullerenes: Towards Single Molecule Magnets (SMMs) with high blocking temperatures A. Popov	Non Boolean computing and signal processing using spin waves and magnetic oscillators C. Gyorgy	A-1141 Unidirectional magnon-induced domain wall motion in the presence of interfacial Dzyaloshinskii-Moriya interaction K.-W. Kim	Operating quantum states in single magnetic molecules W. Wernsdorfer	A-1519 Interconnected MTJs as spintronic synapse E. Raymenants
11:00 am - 11:15 am	A-1810 Enhancing the magnetic hybridization of C60 on Fe(001) by two-dimensional oxides A. Brambilla		A-1890 Asymmetric Non-collinear Magnetic Domain Wall Motion Induced By Electric Current M. A. Nsibi		A-1646 Reducing transition curvature in heat-assisted magnetic recording with state-of-the-art write heads C. Vogler
11:15 am - 11:30 am	A-1845 Spin dynamics in high mobility conjugated polymers S. Schott	A-2051 Effects of Intermagnet Coupling on the Dynamic Properties of Nanodisc Arrays S. Sloetjes	A-1903 Depinning of magnetic domain walls in thin Ferromagnets V. Jeudy	A-2344 Color centers in diamond: single spin quantum sensors for nanoscale imaging E. Neu	A-1650 Magnetic memristor driven by spin-orbit torque B.-C. Min
11:30 am - 11:45 am	A-2109 Magnetic subunits within a single molecule-surface hybrid F. Matthes	A-1177 3D Magnonic crystals and networks S. Nikitov	A-2302 Anisotropic domain wall velocity in quasi-perpendicularly magnetized Ta/Pt/CoFeB/Pt multilayers	A-2368 Suppression of superradiance by magnetic correlations M. Munsch	A-1817 Highly thermally stable sub-20nm magnetic random-access memory based on perpendicular shape anisotropy

			S. Guddeti		S. Lequeux	
11:45 am - 12:00 pm	<b>A-2339</b> Spin-flip spectroscopy along a molecular spin chain coupled to the ferromagnetic electrodes of a sub-micronic junction K. Katcko	<b>A-1326</b> Magnon detection in an insulator-spintronics spin valve J. Cramer	<b>A-1691</b> SEMPA investigation of the Dzyaloshinskii-Moriya interaction in the single, ideally grown Co/Pt(111) interface R. Frömter	<b>A-2370</b> EPR investigations of potential molecular quantum bits J. van Slageren	<b>A-1838</b> BEOL compatible top-pinned magnetic tunnel junctions with a synthetic ferromagnetic pinning layer design J. Swerts	
12:00 pm - 12:15 pm	<b>A-2282</b> Transport regimes of organic spintronic devices and applications in neuromorphic computing A. Riminucci	<b>A-1375</b> Enhanced Spin Wave Group Velocity due to Exchange Coupling in a Ferrimagnetic Insulator/Ferromagnetic Metal Bilayer K. An	<b>A-1289</b> Current driven domain wall motion in individual cylindrical magnetic nanowires M. Schöbitz	<b>A-2401</b> Characterization of spin dynamics in open-shell aromatic radicals through EPR spectroscopy A. Lodi	<b>A-1854</b> Mechanical detection of nanomagnetic phenomena employing coupled nano- and micro-cantilever systems T. Mühl	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
<b>01:30 pm - 02:30 pm</b> <b>01:30 pm - 03:30 pm</b>	<b>SP2.2</b> SP2 - Parallel session 2 <i>Chair:</i> S. Bergeret	<b>SP3.4</b> SP3 - Parallel Session 4 <i>Chair:</i> H. M. Ronnow	<b>SP14.7</b> SP14 - Parallel Session 7 <i>Chair:</i> I. M. Miron	<b>SP5.9</b> SP5 - Parallel Session 9 <i>Chair:</i> U. Ritzmann	<b>SP4.3</b> SP4 - Parallel session 3	
1:30 pm - 1:45 pm	<b>Spin-textured Josephson junctions with spin-triplet supercurrents</b> J. Aarts	<b>A-1816</b> Exchange-anisotropy and frustration in epitaxial thin films of $\text{SrMn}_{0.5}\text{Ir}_{0.5}\text{O}_3$ S. Dasgupta	<b>A-1892</b> Phase-locking and modulation in spin torque oscillators J. Létang	<b>A-1695</b> Band structure modification and the origin of magnetism in (Ga,Mn)As: from paramagnetic through superparamagnetic to ferromagnetic phase	<b>A-2003</b> SOT-MRAM 300nm integration for low power and ultrafast embedded memories K. Garello	

1:45 pm - 2:00 pm		<p><b>A-2395</b> Magnetic order and single-ion anisotropy in frustrated magnet - Tb<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub> R. Wawrzynczak</p>	<p><b>A-2308</b> Tuneable vortex dynamics with ion implantation A. Kákay</p>	<p>O. Yastrubchak <b>A-1786</b> Anisotropic spin-orbit torques in single crystal IrMn/Co/Pt and Pt/Co/Pt thin film multilayers K. Lee</p>	<p><b>A-2048</b> Spin-orbit torque induced domain switching in antiferromagnet/ferrimagnet heterostructures G. K. Krishnaswamy</p>	
2:00 pm - 2:15 pm	<p><b>A-1338</b> Original phenomena in intermetallics with coexisting 3d magnetism and intermediate valent Yb T. Mazet</p>	<p><b>A-1210</b> The AC susceptibility of nanocomposite rare earth titanates A. Rinkevich</p>	<p><b>A-1994</b> Spin-vortex order in iron-based superconductors – insights from first principles V. Borisov</p>	<p><b>A-1803</b> Temperature dependent spin polarization in EuO thin film investigated by high resolution ARPES T. Heider</p>	<p><b>A-1813</b> Effect of N, C and B interstitials on the structural and magnetic properties of alloys with Cu<sub>3</sub>Au-structure I. Opahle</p>	
2:15 pm - 2:30 pm	<p><b>A-1430</b> Interface effects in superconductor-ferromagnet heterostructures A. Stelhorn</p>	<p><b>A-1882</b> Anomalous excitation in frustrated magnets under the external magnetic fields S. Miyahara</p>	<p><b>A-1346</b> Electric control of magnetic vortex core gyration dynamics M. Filianina</p>	<p><b>A-1868</b> Development of superparamagnetism in solution of iron oxide nanoparticles examined with RIXS-MCD J. Kuciakowski</p>	<p><b>A-1260</b> Time-resolved measurements of the switching of Spin Transfer Torque Random Access Memory down to the nanosecond scale P. Bouquin</p>	
<b>02:30 pm - 03:30 pm</b>					<p><b>SP11.2</b> SP11 - Parallel Session 2 <i>Chair:</i> M. Carpentieri</p>	
2:30 pm - 2:45 pm	<p><b>A-1655</b> Two-stage Kondo effect in double quantum dots coupled to ferromagnetic and</p>	<p><b>A-1320</b> Magnetisation process in the rare earth tetraborides, NdB<sub>4</sub> and HoB<sub>4</sub> O. Petrenko</p>	<p><b>A-1552</b> Probabilistic computing devices based on room temperature skyrmion diffusion</p>	<p><b>A-2232</b> X-ray magneto-optical effects quadratic in magnetization - Voigt and XMLD</p>	<p>Skyrmionic states and Bloch points in confined helimagnetic nanostructures M. Beg</p>	

	<b>superconducting leads</b> K. Wójcik		J. Zázvorka	D. Legut	
2:45 pm - 3:00 pm	<b>A-2228</b> <b>Tuning the energy of Yu–Shiba–Rusinov states on a superconducting Pb film</b> L. Malavolti	<b>A-1585</b> <b>Topological classification of magnetic plateaux in spin-1/2 Heisenberg multimer chains</b> I. Maruyama	<b>A-1556</b> <b>Reservoir computing based on magnetic textures</b> K. Everschor-Sitte	<b>A-1622</b> <b>Spin Diffusion-Enhanced Non-Adiabatic Spin Torque in Rare-Earth-Doped Permalloy determined by Direct SEMPA Imaging</b> D. Schönke	
3:00 pm - 3:15 pm	<b>A-1668</b> <b>Vortex dynamics in superconductors driven by field-free vector potentials</b> B. Niedzielski	<b>A-1999</b> <b>Magnetic ordering and open volume defects – phase transitions in ion irradiated Fe<sub>60</sub>Al<sub>40</sub> thin films</b> M. O. Liedke	<b>A-1640</b> <b>Skyrmions Driven by Intrinsic Magnons</b> C. Psaroudaki	<b>A-2301</b> <b>Nanostructures akin to graphene as attractive candidates for spintronic applications</b> S. Krompiewski	<b>A-2082</b> <b>Experimental and computational study of magnetization reversal in Dy-Co diffused Nd-Fe-B sintered magnets</b> J. Fliegans
3:15 pm - 3:30 pm	<b>A-2329</b> <b>Tunable proximity effect in YBCO-graphene junctions</b> D. Perconte	<b>A-1884</b> <b>Observation of a 4-spin Plaquette Singlet State in the Shastry-Sutherland compound SrCu<sub>2</sub>(BO<sub>3</sub>)<sub>2</sub></b> H. M. Ronnow	<b>A-1682</b> <b>Speed Limits for Skyrmions</b> J. Müller	<b>A-1930</b> <b>CMR effect in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> nanowire networks</b> X. Zeng	<b>A-2212</b> <b>Frequency engineering of spin-torque diode</b> P. Skirdkov
3:30 pm - 4:00 pm	<b>Official end of conference</b>				