



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

Joint European Magnetic Symposia



# Preliminary Program

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

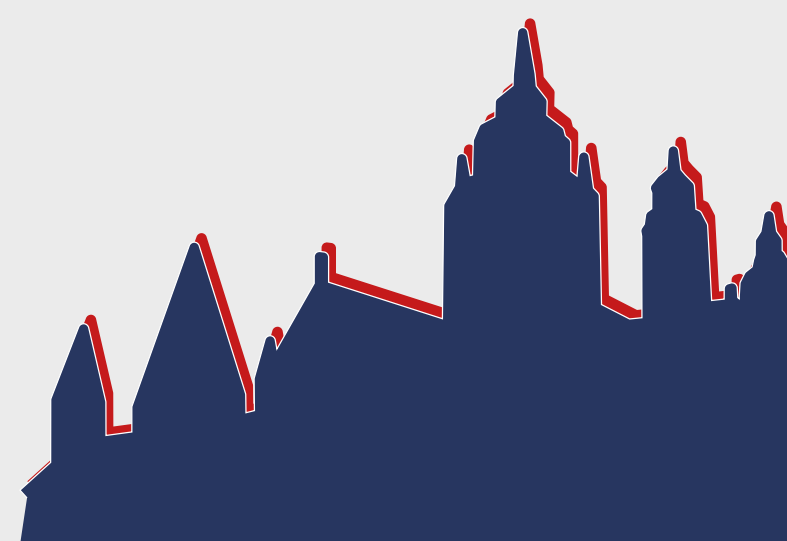
Mainz, Germany

### Chairmen Organizing Committee

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

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

Johannes Gutenberg  
University, Mainz





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	
9:20 am - 10:00 am			<b>Spin(calori)tronics with phonons (Gerrit Bauer)</b> G. Bauer		<b>Magnetism for Biomedical Applications – Beyond Superparamagnetic Iron Oxide Nanoparticles (Russell Cowburn)</b> R. Cowburn	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
<b>10:15 am - 12:15 pm</b>	<b>SP5.1</b> SP5 - Parallel Session 1	<b>SP12.1</b> SP12 - Parallel Session 1	<b>SP14.1</b> SP14 - Parallel Session 1	<b>SP10.1</b> SP10 - Parallel Session 1	<b>SP13.1</b> SP13 - Parallel Session 1	
10:15 am - 10:30 am	<b>Emergent Exotic States in 1D and 2D Magnet-Superconductor Hybrid Systems with Atomic-Level Control</b> R. Wiesendanger	<b>A-1169</b> The early stages of ultrafast demagnetization Y. Acremann	<b>The skyrmion-bubble transition in a ferromagnetic thin film</b> A. Bernand-Mantel	<b>A-1369</b> Fe <sub>5</sub> PB <sub>2</sub> and its alloys with Co and 5d elements as candidates for rare-earth free permanent magnets M. Werwinski	<b>Probing the emergence of ferroelectricity during multiferroic thin film growth</b> M. Trassin	
10:30 am - 10:45		<b>A-1239</b>		<b>A-2376</b>		

am		Simulation of Ultrafast Electron Spin Dynamics in Ferromagnetic Heterostructures D. Nenno		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	Ab initio theory of ultrafast laser-induced magnetic processes P. Oppeneer	<b>A-1123</b> Electric field modulation of magnetic domain wall velocity in Pt/Co/Pd structure T. Koyama	Chemical synthesis of magnetic materials : the potentiality of nanoparticles 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 ferromagnetic alloys S. Häuser	<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	
11:30 am - 11:45 am	<b>A-1826</b> Artificial all-amorphous	<b>A-1313</b> Single-pulse all-optical switching in	<b>A-1962</b> Study of nanoscale laser- and magnetic	<b>A-1995</b> Multi-Site Exchange Enhanced	<b>A-1956</b> Study on magnetic characteristics	

	<b>magnetic superstructures</b> G. Muscas	<b>synthetic ferrimagnetic racetracks</b> M. Lalieu	<b>field-induced domain-wall dynamics</b> M. Logunov	<b>Barocaloric Response in Mn<sub>3</sub>NiN</b> D. Boldrin	<b>modulated by Ferromagnetic/Ferroelectric heterojunction</b> A. Yamaguchi	
11:45 am - 12:00 pm	<b>A-1926</b> <b>Magnetic ground states of perfect Py nanotubes and rings</b> E. Josten	<b>A-1366</b> <b>Laser-induced spin transfer torques in magnetic domain walls</b> P. Baláž	<b>A-1187</b> <b>Isolated skyrmions with vanishing anisotropy in Co/Ru(0001)</b> B. Dupé	<b>A-2100</b> <b>Structure, magnetism of Mn<sub>x</sub>Fe<sub>2-x</sub>P<sub>0.6</sub>Si<sub>0.4</sub> compounds</b> X. You	<b>A-2284</b> <b>Magnetoelectric coupling in a layered-perovskite thin film heterostructure</b> C. Wang	
12:00 pm - 12:15 pm	<b>A-2198</b> <b>Anatomy of magnetic proximity effects in platinum inferred by magnetotransport measurements</b> C. O. Avci	<b>A-1423</b> <b>Speed and efficiency of femtosecond spin current injection into a nonmagnetic material</b> D. Schummer	<b>A-2343</b> <b>Chiral spin spiral and isolated skyrmions with vanishing anisotropy in Co/Ru(0001)</b> T. Balashov	<b>A-1949</b> <b>Tuning direct and inverse magnetocaloric effect in Ni-Mn-In Heuslers for room temperature magnetic refrigeration</b> F. Albertini	<b>A-1698</b> <b>Strain-induced magnetization control in a LSMO/BTO heterostructure</b> F. Motti	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
<b>01:30 pm - 03:30 pm</b>	<b>SP5.2</b> <b>SP5 - Parallel Session 2</b>	<b>SP8.1</b> <b>SP8 - Parallel Session 1</b>	<b>SP9.1</b> <b>SP9 - Parallel Session 1</b>	<b>SP10.2</b> <b>SP10 - Parallel Session 2</b>	<b>SP13.2</b> <b>SP13 - Parallel Session 2</b>	
1:30 pm - 1:45 pm	<b>A-2317</b> <b>Magnetism of 4f-atoms adsorbed on metal and Graphene substrates</b> A. Shick	<b>IMAGING AND INFLUENCING THE ANTIFERROMAGNETIC ORDER IN BiFeO<sub>3</sub></b> M. Viret	<b>A-2249</b> <b>Characteristic switching temperature in spin-orbit torque switching in metallic/ferrimagnetic system</b> T. H. Pham	<b>Magnetic domain structure studies in high coercivity permanent magnets using the X-ray magnetic circular dichroism technique</b> T. Nakamura	<b>A-2416</b> <b>Magneto-ionic control of magnetism using a solid state proton pump</b> A. J. Tan	
1:45 pm - 2:00 pm	<b>A-1085</b>		<b>A-1078</b>		<b>A-1558</b>	

	<p><b>FePt-Tb alloy thin films designed for all-optical switching</b> N. Safonova</p>		<p><b>Spin torque induced oscillations in fully perpendicular magnetic tunnel junction</b> V. Iurchuk</p>		<p><b>Soliton excitations observed in multiferroic LiCuVO<sub>4</sub></b> C. Grams</p>	
2:00 pm - 2:15 pm	<p><b>A-1148</b> Perpendicular anisotropy, unconventional spin texture and extraordinary gradual spin reorientation transition of cobalt films in contact with graphene N. Rougemaille</p>	<p><b>A-2365</b> Real-space imaging of non-collinear antiferromagnetic order with a single spin magnetometer W. Akhtar</p>	<p><b>Probing spin waves using single-spin magnetometry</b> T. van der Sar</p>	<p><b>A-1344</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 U. Rohrmann</p>	<p><b>A-2366</b> Magnetic order, hysteresis, and phase coexistence in magnetoelectric LiCoPO<sub>4</sub> E. Fogh</p>	
2:15 pm - 2:30 pm	<p><b>A-1152</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> L. Bergmann</p>	<p><b>A-2132</b> Nanoscale imaging of antiferromagnetic order using single-spin magnetometry B. Shields</p>		<p><b>A-2177</b> Tailored Metal Injection Moulding Of Isotropic NdFeB Hard Magnets Based On Recycled Powders With And Without Nd-Additions B. Podmiljsak</p>	<p><b>A-2362</b> Field-induced reentrant magnetoelectric phases in LiNiPO<sub>4</sub> N. Bech Christensen</p>	
2:30 pm - 2:45 pm	<p><b>A-1237</b> Tuning the magnetic anisotropy in exchange coupled bimagnetic core/shell nanoparticles E. Winkler</p>	<p><b>A-1329</b> Magnonic Transport In Single Crystal Antiferromagnetic Insulators over 40 μm R. Lebrun</p>	<p><b>A-1189</b> Spin pumping as a generic probe for linear spin fluctuations, irrespective of the magnetic and electrical nature of the spin-sink O. Gladii</p>	<p><b>A-1780</b> From binary Mn-Ga to ternary Mn-Al-Ga: the formation, stability and magnetic properties of the L1<sub>0</sub> structure T. Mix</p>	<p><b>A-2165</b> Transition metal valence states and magnetic structure of the frustrated ABaM<sub>4</sub>O<sub>7</sub> (A=Y,Ca; M=Co,Fe) system K. Küpper</p>	
2:45 pm - 3:00 pm	<b>A-1256</b>	<b>A-2059</b>	<b>A-1395</b>	<b>A-1336</b>	<b>A-2133</b>	

	<b>Pt/Co/W as a Candidate for Low Power Nanomagnetic Logic</b> S. Mendisch	<b>Néel Spin Orbit Torque driven antiferromagnetic resonance in Mn<sub>2</sub>Au probed by time-domain THz spectroscopy</b> N. Bhattacharjee	<b>Magnon auto-oscillation under zero magnetic field</b> N. Nishida	<b>Development of permanent magnet properties in gas-atomized MnAl particles</b> J. Rial	<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 Engineering nanoscale defects in Sr<sub>2</sub>FeMoO<sub>6</sub> thin films</b> M. Saloaro	<b>A-1535 Role of thermal activation in the electrical switching of antiferromagnetic Mn<sub>2</sub>Au and CuMnAs</b> M. Meinert	<b>A-1517 Phase locked loop operation of spin torque oscillators using custom integrated circuits</b> P. Sethi	<b>A-1255 Multicaloric effects in Magnetic Shape Memory Alloys</b> L. Manosa	<b>A-1291 Nature of exchange-bias effect in ferrimagnetic orthoferrites</b> A. Wisniewski	
3:15 pm - 3:30 pm	<b>A-1895 Field Dependence of the Ferromagnetic/Supereconducting Proximity Effect in a YBCO/STO/LCMO Multilayer</b> F. Klose	<b>A-1595 Spin-dependent transport and dynamics of antiferromagnetic skyrmions</b> C. Akosa	<b>A-1613 Ultrafast spin-dependent THz dynamics and high harmonic generation in semiconductor nanostructures</b> D. Schulze	<b>A-1917 Degrading effect of cold working on the magnetocaloric performance of a Ni<sub>50</sub>Mn<sub>34</sub>In<sub>16</sub> Heusler alloy</b> M. Solzi	<b>A-2045 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 SP5 - Parallel Session 3</b>	<b>SP12.2 SP12 - Parallel Session 2</b>	<b>SP14.2 SP14 - Parallel Session 2</b>	<b>SP10.3 SP10 - Parallel Session 3</b>	<b>SP13.3 SP13 - Parallel Session 3</b>	
4:00 pm - 4:15 pm	<b>A-2055 Modification of Spin-Orbit Torques by Interfacial Oxygen</b> J. Nath	<b>Probing and controlling spin dynamics with terahertz radiation</b> T. Kampfrath	<b>A-1444 Theory of isolated magnetic skyrmions: From fundamentals to room temperature applications</b> F. Buettner	<b>A-2256 Rapidly quenched ultra-thin soft magnetic amorphous ribbons for high-frequency power applications</b> P. McCloskey	<b>A-1812 Coupled spin dimers driven by charge and orbital ordering in an open-shell <i>p</i>-electron Rb<sub>4</sub>O<sub>6</sub> compound</b> D. Arcon	
4:15 pm - 4:30 pm	<b>A-2159</b>		<b>A-1985</b>	<b>A-2265</b>	<b>A-2248</b>	



	<p><b>Tailoring the in-plane magnetic anisotropy at the Fe(110) surface</b> M. Ślęzak</p>		<p><b>Hybrid chiral domain skyrmions in magnetic multilayers</b> W. Legrand</p>	<p><b>Permeability of Nd<sub>2</sub>Fe<sub>17</sub>Nx-resin composites at micro-wave frequency range</b> N. Imaoka</p>	<p><b>Electrical gating of GeTe towards non-volatile control of spin physics</b> S. Varotto</p>	
4:30 pm - 4:45 pm	<p><b>A-1319</b> <b>Graphene-based synthetic antiferromagnets and ferrimagnets with perpendicular magnetic anisotropy</b> P. Gargiani</p>	<p><b>A-1428</b> <b>Ultrafast Dynamics of Spin and Orbital Moments upon Demagnetization in GdFeCo alloys</b> M. Hennecke</p>	<p><b>A-2153</b> <b>Chiral thin-film magnetic structures display the Mallinson-Halbach effect</b> M. A. Marioni</p>	<p><b>A-1221</b> <b>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</p>	<p><b>A-2148</b> <b>Large positive and negative magnetodielectric coupling in Fe half-doped LaMnO<sub>3</sub></b> J. P. Palakkal</p>	
4:45 pm - 5:00 pm	<p><b>A-1502</b> <b>TbCoFe/[Co/Ni/Pt] Exchange-Coupled Heterostructures</b> M. Heigl</p>	<p><b>A-1447</b> <b>Terahertz induced demagnetization in CoPt film:towards ultrafast ballistic switching</b> D. Polley</p>	<p><b>A-2143</b> <b>Skyrmion formation in SrRuO<sub>3</sub>-SrIrO<sub>3</sub> epitaxial bilayer</b> H. J. Hug</p>	<p><b>A-1749</b> <b>Magnetic losses reduction in non-oriented electrical steels via strain-induced grain boundary migration effects.</b> I. Petryshynets</p>	<p><b>A-1342</b> <b>Magnetic Fluctuations and the Origin of Antiferromagnetism in RENiO<sub>3</sub> Perovskites</b> L. Korosec</p>	
5:00 pm - 5:15 pm	<p><b>A-1513</b> <b>High-resolution Kerr microscopy investigations on polygonal nanowires for reliable domain wall position prediction</b> E. Lage</p>	<p><b>A-1449</b> <b>Optical control of competing exchange interactions and coherent spin-charge coupling in two-orbital Mott insulators</b></p>	<p><b>A-1263</b> <b>First-principles study of skyrmion formation at 3d/4d transition-metal interfaces</b> S. Haldar</p>	<p><b>A-1212</b> <b>Siliconisation of grain oriented electrical steel through the method of diffusion annealing</b> S. Sarma</p>	<p><b>A-1429</b> <b>Probing domain dynamics in complex oxide micromagnets using scanning transmission x-ray microscopy</b> E. Digernes</p>	

5:15 pm - 5:30 pm	<b>A-1560</b> Artificial tubular exchange bias domain patterns for paternoster-like transport of magnetic particles H. Huckfeldt	M. M. S. Barbeau <b>A-1685</b> Relativistic spin dynamics applied to ultrafast magnetic phenomena R. Mondal	<b>A-1454</b> Damped localized excitations in $\kappa\pi$ -skyrmions L. Rózsa	<b>A-1796</b> Relationship between microstructure and properties of soft magnetic materials for electric motor applications D. Goll	<b>A-2123</b> Exploring the magnetic properties of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> based ceramics A. Kumar	
5:30 pm - 5:45 pm	<b>A-2135</b> Influence of segment length on domain wall pinning in multisegmented Co/Ni nanowires for next generation data storage H. Mohammed	<b>A-1621</b> Ultrafast relaxation dynamics in a Kitaev spin-liquid candidate $\alpha$ -RuCl <sub>3</sub> S. Y. Agustsson	<b>A-2128</b> Multiscale model for the noncentrosymmetric B20-type crystals S. Grytsiuk	<b>A-2264</b> Magnetocaloric effect and magnetoelectric coupling in Fe-Rh films A. Amirov	<b>A-2272</b> Magnetoelectric properties of rare-earth langasite Ho <sub>0.09</sub> La <sub>2.91</sub> Ga <sub>5</sub> SiO <sub>14</sub> N. Kostyuchenko	
5:45 pm - 6:00 pm	<b>A-2241</b> Layer-resolved magnetic imaging of domains in multilayered mesoscale tubes and their response to magnetic field M. Stano	<b>A-1627</b> All optical switching and ultrafast magnetization dynamics in doped FePt thin films M. Stiehl	<b>A-2185</b> Skyrmions with arbitrary topological charge in chiral magnets F. N. Rybakov	<b>A-1899</b> Micromagnetic simulations of the dynamics in an antiferromagnetic spin-Hall oscillator V. Puliafito	<b>A-1240</b> Ferroelectric ferrimagnetic LiFe <sub>2</sub> F <sub>6</sub> : charge ordering mediated magnetoelectricity 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	
9:20 am - 10:00 am			Merging spin and light in organic devices (Luis E. Hueso) L. E. Hueso		Magnetic Skyrmions – Scientific fascination meets use-inspired design for future information technology (Stefan Bluegel) S. Bluegel	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
10:15 am - 12:15 pm	<b>SP1.1</b> SP1 - Parallel session 1	<b>SP12.3</b> SP12 - Parallel Session 3	<b>SP15.1</b> SP15 - Parallel Session 1	<b>SP3.1</b> SP3 - Parallel Session 1	<b>SP13.4</b> SP13 - Parallel Session 4	
10:15 am - 10:30 am	Multifunctional magnetic nanoparticle based-approaches for cancer treatment: therapy and biodegradation A. Espinosa	Talk in honor of JY Bigot and E Beauripaire B. Koopmans	Time resolved magnetic soft X-ray microscopy: Presence and future G. Schütz	A-1849 Artificial Spin Ice Inspired Computation using Nanomagnets H. Arava	Low-field switching of non-collinear interfacial magnetism in oxide heterostructures K. Dörr	
10:30 am - 10:45 am		A-1841 The ultrafast AFM to FM phase transition of FeRh probed by magnetic X-ray resonant scattering R. Carley		A-1539 Study of the features of magnetic ordering in honeycomb layered oxides of transition metals A. Korshunov		
10:45 am - 11:00 am	A-1208 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		A-1831 Analysis of magneto-elastic coupling mechanisms in FePt/BaTiO <sub>3</sub> bilayers through structural and magnetic

					<b>characterization</b> A. Román
11:00 am - 11:15 am	<b>A-1267</b> <b>A trisymmetric magnetic microchip surface for unrestricted two-way directional movement of magnetic microbeads</b> J. McCord		<b>A-2186</b> <b>Magnonic band structure in thin FeN magnetic films with stripe domains</b> S. Tacchi		<b>A-1335</b> <b>Study of the magnetic order in epitaxially strained thin films of multiferroic perovskite Sr1-xBaxMnO3 by using low energy muon spin spectroscopy</b> P. A. Algarabel
11:15 am - 11:30 am	<b>A-1290</b> <b>Detection of Micron to Submicron Biologic Objects with Giant Magneto-Resistive Sensors</b> M. Giraud	<b>A-1846</b> <b>Spin currents generated during ultrafast demagnetization</b> K. Carva	<b>A-2211</b> <b>Programmable control of spin-wave transmission in a domain-wall spin valve</b> S. van Dijken	<b>A-1140</b> <b>Balanced nanomagnetic logic gate in Kagome spin ice</b> P. Gypens	<b>A-1564</b> <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</b> J. I. Beltrán
11:30 am - 11:45 am	<b>A-1400</b> <b>Functionalized Iron Nanowires for Chemical and Photothermal Cancer Cell Death Induction</b> A. Martinez-Banderas	<b>A-1871</b> <b>Magnetic and Structural Dynamics in Antiferromagnetically Coupled Fe/Cr Superlattices</b> D. Schick	<b>A-2350</b> <b>Micromagnetic simulations of non-reciprocal Hawking radiation from magnonic black hole</b> M. Dvornik	<b>A-2173</b> <b>Lieb-Mattis theorem and spin frustration in molecular nanomagnets</b> G. Kamieniarz	<b>A-1555</b> <b>Pulsed Laser deposition of oxide thin films on buffered Si(100) 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> J. Lucassen	<b>A-1806</b> <b>A High-Temperature Quantum Spin Liquid with Atomic-Cluster Spins in 17-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>	<b>SP6.1</b> <b>SP6 - Parallel Session 1</b>	<b>SP14.3</b> <b>SP14 - Parallel Session 3</b>	<b>SP17.1</b> <b>SP17 - Parallel Session 1</b>	<b>SP9.2</b> <b>SP9 - Parallel Session 2</b>	
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-1622</b> <b>Spin Diffusion-Enhanced Non-Adiabatic Spin Torque in Rare-Earth-Doped Permalloy determined by Direct SEMPA Imaging</b> D. Schönke		<b>A-1302</b> <b>Understanding and controlling singularities in magnetic multilayers with X ray microscopy.</b> S. Ferrer	<b>A-1795</b> <b>Thermodynamic reciprocity of the spin Seebeck and spin Peltier effects</b> V. Basso		
2:00 pm - 2:15 pm	<b>A-1663</b> <b>Magnetoelastic and Damping Properties of Co<sub>2</sub>Fe<sub>x</sub>Mn<sub>1-x</sub>Si</b>	<b>A-1037</b> <b>Flexible strain direction sensing devices based on</b>	<b>A-1637</b> <b>Skyrmion lifetimes in exchange frustrated ultrathin</b>	<b>Observation of anisotropic magneto-Peltier effect</b>	<b>A-1937</b> <b>Spin-orbit torques and magnetization switching in</b>	

	<b>Heusler Alloys Thin Films</b> O. Chumak	<b>magnetoresistive and magnetoelastic effects</b> S. Ota	<b>films</b> S. von Malottki	K.-i. Uchida	<b>epitaxial Pd/Co<sub>2</sub>FeAl/MgO heterostructures</b> M. S. Gabor
2:15 pm - 2:30 pm	<b>A-2001 Relationship between spacer material and thickness on the damping and anisotropy of CoFeB in perpendicular double MgO free layer for MRAM</b> S. Couet	<b>A-1470 Innovative technique for thin films magnetostriction measurements by scanning probe microscopy</b> M. Coïsson	<b>A-1758 Simultaneous stabilization of skyrmions and antiskyrmions in rank-1 DMI materials allowing the concept of a skyrmion-antiskyrmion racetrack memory</b> M. Hoffmann		<b>A-1970 Resonant expulsion of a magnetic vortex core excited by RF torques: towards real time threshold RF detectors</b> S. Menshawy
2:30 pm - 2:45 pm	<b>A-1162 Mechanisms of electric field effect on magnetism in Pt/Co with solid-state gating under different fabrication condition</b> T. Hirai	<b>A-1948 Influence of atomic disorder on the ground state of Ni-Co-Mn-Sn alloys with regular and inverse Heusler structures</b> V. Sokolovskiy	<b>A-1534 Thermal stability of metastable magnetic skyrmions: Entropic narrowing and significance of internal eigenmodes</b> L. Desplat	<b>A-1524 Role of the Magnon Dispersion in the Spin Seebeck Effect in Fe<sub>3</sub>O<sub>4</sub> Thin Films</b> G. Venkat	<b>A-1038 Imaging spin diffusion in germanium at room temperature</b> C. Zucchetti
2:45 pm - 3:00 pm	<b>A-1379 Large Room Temperature Voltage Control of Magnetic Anisotropy in SrTiO<sub>3</sub>/Co/Pt</b> B. Vermeulen	<b>A-1940 On the symmetry of the martensitic transformation in Ni<sub>2</sub>MnGa</b> F. Orlandi	<b>A-1614 Skyrmion diffusion in thin film multilayers</b> M. Weißenhofer	<b>A-2083 Spin Seebeck effect and phonon energy transfer in heterostructures containing layers of a normal metal and a ferromagnetic insulator</b> V. Shklovskij	<b>A-1112 Spin-orbitronics in graphene/Transition Metal Dichalcogenide heterostructures</b> J. H. Garcia
3:00 pm - 3:15 pm	<b>A-1746 Voltage-induced magneto ionic switching of</b>	<b>A-2093 Prediction of new quaternary Heusler compounds with</b>	<b>A-1601 Fluctuating skyrmion ensembles on finite</b>	<b>A-1605 Temperature dependence of the non-local spin</b>	<b>A-1122 Unveiling the mechanisms of the spin Hall effect in Ta</b>

	<b>anisotropy and magnetic domains in FeOx/Fe nanostructures</b> J. Zehner	<b>half-metallic ferromagnetism and large Curie temperatures</b> B. Sanyal	<b>Pd/Fe/Ir(111) nanoislands</b> A. F. Schäffer	<b>Seebeck effect in YIG/Pt nanostructures</b> T. Wimmer	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 <i>In situ</i> 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>				
<b>04:00 pm - 06:00 pm</b>	<b>SP5.5 SP5 - Parallel Session 5</b>	<b>SP12.4 SP12 - Parallel Session 4</b>	<b>SP15.2 SP15 - Parallel Session 2</b>	<b>SP3.2 SP3 - Parallel Session 2</b>	<b>SP9.3 SP9 - Parallel Session 3</b>
4:00 pm - 4:15 pm	<b>A-1054 Direct Measurement of the Intrinsic Sharpness of Magnetic Interfaces Formed by Ion Beams</b> G. Causer	<b>A-1959 Spectral and polarization selective ultrafast photo-magnetic switching in iron garnet</b> K. Szerenos	<b>A-1633 Exchange-torque-induced excitation of perpendicular standing spin waves in nanometer-thick yttrium iron garnet films</b> H. Qin	<b>A-1920 Elementary excitations and stability of the spin-stripe state in a quantum spin chain</b> M. Pregelj	<b>A-1217 Spin-Orbit Torques At Disordered Interfaces</b> D. Prychynenko
4:15 pm - 4:30 pm	<b>A-1080 Disorder-induced ferromagnetism in Fe<sub>60</sub>Al<sub>40</sub> films on a local scale</b> A. Smekhova	<b>A-2076 Reversing the exchange bias using all-optical helicity-dependent magnetic switching</b> P. Vallobra	<b>A-1651 An integrated magnonic half-adder</b> T. Brächer	<b>A-2382 Spin dynamics of the classical spin nematic spinel LiGa<sub>0.95</sub>In<sub>0.05</sub>Cr<sub>4</sub>O<sub>8</sub></b> G. J. Nilsen	<b>A-1968 Study of Low offset frequency noise in vortex spin torque nano-oscillators</b> S. Wittrock
4:30 pm - 4:45 pm	<b>A-1740 Modification of the magnetization ordering in Pt/Co/Pt</b>	<b>A-2126 Unraveling the phonon magnon coupling, theory and</b>	<b>A-1674 Local spin-wave modes in 2D array of dipolarly coupled</b>	<b>A-1146 Artificial spin systems as experimental</b>	<b>A-1331 Large unidirectional spin Hall magnetoresistance</b>

	<b>trilayers depending on the scanning direction of the focused ion beam</b> P. Mazalski	<b>first principles simulations Ab initio microscopic theory of phonon-magnon interactions</b> P. Maldonado	<b>magnetic nanodots with a “defect” dot</b> R. Verba	<b>simulators of frustrated magnets: from the fragmentation of magnetization to the six vertex model</b> N. Rougemaille	<b>induced by highly spin-polarised Heusler compounds</b> C. Lidig	
4:45 pm - 5:00 pm	<b>A-2179</b> <b>Magnetic anisotropy of nanostructured ferrite oxides</b> K. Pitala	<b>A-2174</b> <b>Influence of interface alloying on ultrafast spin dynamics in Co/Pt heterostructures</b> C. von Korff Schmising	<b>A-1700</b> <b>Angular Dependent Magnetization Dynamics of Quasicrystalline Nanomagnet Lattices</b> V. Bhat	<b>A-1791</b> <b>Superspin-glass type behavior in single- and polycrystalline supercrystals</b> M. Smik	<b>A-1347</b> <b>Dispersion relation of the interlayer exchange coupled tailored ferrimagnets</b> S. Sorokin	
5:00 pm - 5:15 pm	<b>A-1664</b> <b>Ultrafast single laser pulse demagnetization via domain formation</b> J. Kisielewski	<b>A-2234</b> <b>Ultrafast magnetization dynamics and switching in ferrimagnets with and without compensation temperature</b> M. Davydova	<b>A-1708</b> <b>How to generate whispering gallery magnons</b> K. Schultheiss	<b>A-1699</b> <b>A classification of frustration from topology</b> K. Roychowdhury	<b>A-1385</b> <b>Optimization of the spin-to-charge conversion signal in CoFe/Pt local spin injection devices</b> 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> <b>Time resolved MOKE measurements with calibrated lattice Temperature</b> L. Willig	<b>A-2253</b> <b>Electron dynamics driving ultrafast demagnetization in itinerant ferromagnets and alloys</b> B. Rethfeld	<b>A-1925</b> <b>Magnonic properties of dipolar coupled assemblies of few nanoparticles</b> B. Zingsem	<b>A-1167</b> <b>Collective magnetism in an artificial 2D XY spin system</b> N. Leo	<b>A-1393</b> <b>Spin transport through interfaces: how temperature matters</b> K. Gupta	
5:30 pm - 5:45 pm	<b>A-1116</b> <b>Magnetic Proximity Effect and Exchange Coupling in Pt/Cr Bilayers</b> M. Asa	<b>A-2255</b> <b>On-chip generation of unipolar THz current pulses by the inverse spin Hall effect</b>	<b>A-1990</b> <b>Spin-wave generation by radio-frequency spin-orbit torque antenna: torques and</b>	<b>A-1219</b> <b>Interaction radius influence on phase transition in artificial kagome spin ice</b> P. Andriushchenko	<b>A-1407</b> <b>Spin pumping in ferrimagnets: Bridging ferro- and antiferromagnets</b> A. Kamra	



		W. Hoppe	efficiencies G. Talmelli			
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 (Geoffrey Beach)</b> G. S. D. Beach	
9:20 am - 10:00 am			<b>Ultrafast Spintronics (Jeffrey Bokor)</b> J. Bokor		<b>Magnonic quantum Hall and topological insulator effects in magnets (Daniel Loss)</b> D. Loss	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
<b>10:15 am - 12:15 pm</b>	SP4.1 SP4 - Parallel	SP5.6 SP5 - Parallel	SP7.1 SP7 - Parallel	SP8.2 SP8 - Parallel	SP17.2 SP17 - Parallel	

	<b>session 1</b>	<b>Session 6</b>	<b>Session 1</b>	<b>Session 2</b>	<b>Session 2</b>	
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 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 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> B. Flebus	
10:30 am - 10:45 am		<b>A-1603 Double magnetic proximity in Fe/Fe<sub>0.32</sub>V<sub>0.68</sub> superlattices</b> H. Palonen		<b>A-1471 Dynamical spin-orbitronic effects in ferro- and antiferromagnets</b> F. Souza Mendes Guimarães		
10:45 am - 11:00 am	<b>A-1046 Magneto-resistive sensors for detection of magnetic resonance at micron scale</b> A. Doll	<b>Spin-fluctuation effects of single adatoms from first principles</b> J. Ibañez-Azpiroz	<b>A-1186 Theoretical modeling of spin diffusion length, spin-filter and spin Hall effects in organics</b> M. R. Mahani	<b>Spintronics with magnetoelectric antiferromagnetic thin films</b> D. Makarov	<b>A-1341 Thermally activated Domain Wall Motion</b> P. Graus	
11:00 am - 11:15 am	<b>A-1623 Domain wall as a tunable spin wave phase shifter</b> R. Yanes		<b>A-1236 Tailoring the spin structure of surface alloys by adsorption of organic molecules</b> B. Stadtmüller		<b>A-1800 Domain wall dynamics of ferrimagnets in temperature gradients</b> A. Donges	
11:15 am - 11:30 am	<b>A-1206 Comprehensive model of the <math>\Delta E</math> effect for cantilever magnetic field sensors</b> B. Spetzler	<b>A-1612 Magnetization reversal in electrodeposited FePd sub-micron structures</b> M. Cialone	<b>A-1394 Tuning spin injection by molecular design</b> A. Wittmann	<b>A-1712 Electrical control of antiferromagnetic domain walls</b> S. Reimers	<b>A-1728 Thermoelectrical detection of magnetization reversal in Pt/Ir/Co nanowires with interfacial</b>	

					<b>Dzyaloshinskii–Moriya interaction</b> A. Fernández Scarioni	
11:30 am - 11:45 am	<b>A-1339</b> Single Domain Stabilization with Antiparallel Exchange Bias – A Novel Concept for Low Noise Composite Magnetoelectric Sensors M. Klug	<b>A-1666</b> Imaging the magnetization reversal in strongly exchange-coupled bilayers of TbFe and Co/Pt A.-O. Mandru	<b>A-1543</b> What is true and what is false: The magnitude of the inverse spin-Hall effect in PEDOT:PSS M. M. Qaid	<b>A-2352</b> Field-Free Spin-Orbit Torque-Induced Magnetization Switching and Spin Hall Magnetoresistance in Exchange-Biased W/Co/NiO system K. Grochot	<b>A-1287</b> Coherent control of acoustic-wave-induced magnetization dynamics in magnetic tunnel junctions H. W. Schumacher	
11:45 am - 12:00 pm	<b>A-2018</b> Nanometer-scale magnetic field imaging with a scanning SQUID-on-tip G. Romagnoli	<b>A-1554</b> Bonding character and magnetism at the interface between Fe and MoS <sub>2</sub> nanosheets R. Mantovan	<b>A-1617</b> Spin precession and spin Hall effect in monolayer graphene/Pt nanostructures W. Saverio Torres	<b>A-1950</b> Probing Pt/Ir <sub>x</sub> Mn <sub>1-x</sub> Interface Magnetism via Spin Hall Magnetoresistance T. H. Kim	<b>A-2311</b> Controlling three-dimensional temperature gradients in magnetic tunnel junctions: Anomalous Nernst effect 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>		<b>Multifunctional shape-memory ferromagnets:</b>	

			P. Gambardella		challenges and perspectives A. Planes	
2:30 pm - 4:30 pm					Peter Grunberg Honorary Session	
4:30 pm - 6:30 pm	Refreshments, Exhibition, and Poster Session B					<b>P-B Poster B</b> SP5 (1/3), SP7, SP9, SP11, SP12, SP13, SP17
7:00 pm - 11:00 pm	Congress dinner at Schloss Mainz					
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	Registration coffee / tea will be served					
8:30 am - 9:15 am					Neuromorphic computing with spintronic nanodevices (Julie Grollier) J. Grollier	
9:20 am - 10:00 am			Magnetic properties of nickelate films and nickelate based heterostructures (Jean-Marc Triscone) J.-M. Triscone		Exploring Condensed Matter Physics using Nitrogen Vacancy Center Magnetometers (Amir Yacoby) A. Yacoby	
10:00 am - 10:15 am	Morning Coffee Break					
10:15 am - 12:15 pm	SP18.1 SP18 - Parallel Session 1	SP3.3 SP3 - Parallel Session 3	SP15.3 SP15 - Parallel Session 3	SP16.1 SP16 - Parallel Session 1	SP11.1 SP11 - Parallel Session 1	

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

11:30 am - 11:45 am	<b>A-1827</b> Spin-orbit torque-ferromagnetic resonance with topological insulators F. Bonell	<b>A-1097</b> Multiple monopole phase transitions in spin ice P. Holdsworth	<b>A-1408</b> Significantly enhanced magnon-photon coupling in an inverted splitting resonator/thin film YIG hybrid system B. Kim	<b>A-1493</b> Coherent coupling of molecular spins with microwave photons in planar superconducting resonators A. Ghirri	<b>A-1901</b> A 2.5D micromagnetic solver for randomly distributed magnetic thin objects A. Manzin	
11:45 am - 12:00 pm	<b>A-2006</b> First-principles method of calculating spin-orbit torque (SOT) in Co/heavy metal and Co/ topological insulator heterostructures M. F. Islam	<b>A-1905</b> Experimental investigation of kagomé artificial colloidal ice A. Le Cunuder	<b>A-1549</b> Nanoscale spin-wave circuits based on engineered reconfigurable spin-textures E. Albisetti	<b>A-1659</b> Anisotropy of Co <sup>II</sup> transferred to the Cr <sub>7</sub> Co polymetallic cluster via strong exchange interactions E. Garlatti	<b>A-2016</b> Numerical integration of generalized Landau-Lifshitz-Gilbert equation based on the mid-point rule C. Serpico	
12:00 pm - 12:15 pm	<b>A-2007</b> Highly efficient spin-to-charge current conversion in strained HgTe surface states protected by a HgCdTe layer P. Noël	<b>A-1658</b> Dynamical magnetic properties of interacting ultra-small nanoparticle systems R. Mathieu	<b>A-1611</b> Direct observation of broadband coherent magnetization wave emissions from magnetic domain walls R. B. Holländer	<b>A-2084</b> Coherent coupling between CsNiCr single-domain magnetic nanoparticles and microwave photons in a planar waveguide resonator A. Ghirri	<b>A-2078</b> Coupled lattice and spin dynamics from second principle X. He	
12:15 pm - 1:30 pm	<b>Lunch Break</b> exhibition / poster session					
<b>01:30 pm - 03:30 pm</b>	<b>SP1.2</b> SP1 - Parallel session 2	<b>SP5.7</b> SP5 - Parallel Session 7	<b>SP14.4</b> SP14 - Parallel Session 4	<b>SP8.3</b> SP8 - Parallel Session 3	<b>SP6.2</b> SP6 - Parallel Session 2	
1:30 pm - 1:45 pm	<b>Magnetoelectric Magnetic Field Sensors</b>	<b>A-1819</b> Magnetic anisotropy and depth-resolved	<b>A-1801</b> Exchange coupling torque in	<b>A-1450</b> Magnetoelectronic properties of the	<b>A novel multicaloric cooling cycle that exploits thermal</b>	

	E. Quandt	<b>magnetization in Pt/Co<sub>80</sub>Cr<sub>20</sub>/Pt trilayers</b> F. Fettar	<b>antiferromagneticall y coupled Co/Gd bi-layer system</b> R. Bläsing	<b>non-collinear antiferromagnet Mn<sub>3</sub>Zn<sub>0.5</sub>Ge<sub>0.5</sub>N</b> S. Deng	<b>hysteresis</b> T. Gottschall
1:45 pm - 2:00 pm		<b>A-1913</b> Temperature dependent sign inversion of large uniaxial magnetostriction in the nanolaminated MAX phase Mn <sub>2</sub> GaC I. Novoselova	<b>A-1907</b> Two creep regimes induced by strong current actions on ferrimagnetic domain walls E. Haltz	<b>A-1274</b> Angle dependent magnetoresistance in nonmagnet/antiferro magnet metallic heterostructures S. DuttaGupta	
2:00 pm - 2:15 pm	<b>A-1602</b> Local and in-vivo neuronal recordings by micro-sized giant magnetoresistance sensors J. Torrejon	<b>A-1523</b> Iron-based magnetic nanostructures in large area fabricated by glancing angle deposition with magnetron sputtering J. M. Garcia-Martin	<b>A-2102</b> Ultrafast and ultrasmall: domain walls and skyrmions in compensated ferrimagnetic thin films L. Caretta	<b>A-1792</b> Broadband spintronics diodes for energy harvesting M. Carpentieri	<b>A-2316</b> Spin transport in graphene on SrTiO <sub>3</sub> and its temperature dependence S. Chen
2:15 pm - 2:30 pm	<b>A-1656</b> Separation of excitation and detection coils to locate superparamagnetic iron oxide nanoparticles in vivo M. M. van de Loosdrecht	<b>A-2087</b> Magnetic properties of (Y <sub>1-x</sub> Ce <sub>x</sub> )Co <sub>5</sub> thin films and bulk single crystals S. Sharma	<b>A-1657</b> Material Systems for Skyrmions in Co-based Multilayers B. Zimmermann	<b>A-2091</b> Quantum Anomalous Hall Effect and Anderson Chern Insulating Regime in noncollinear Antiferromagnetic 3Q State A. About	<b>A-2046</b> Domain wall pinning in magnetic shape memory alloys with small and enlarged magnetic hysteresis L. Straka
2:30 pm - 2:45 pm	<b>A-1733</b> AMR sensors made of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> epitaxial thin films for neuronal activity	<b>A-2225</b> Spin-orbit gaps in ferromagnetic thin films L. Plucinski	<b>A-1771</b> Interlayer Dzyaloshinskii-Moriya interactions E. Y. Vedmedenko	<b>A-2110</b> Spin colossal magnetoresistance Z. Qiu	<b>A-1872</b> Engineering Hierarchical Martensite Twins in Epitaxial Magnetic Shape Memory

	<b>measurement</b> O. Rousseau				<b>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 Mn3X (X = Ir, Sn, Ge) thin-films</b> E. Lesne	<b>A-1403</b> <b>Origin of modulation in Ni2Mn1.4In0.6 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>	<b>SP5.8</b> <b>SP5 - Parallel Session 8</b>	<b>SP14.5</b> <b>SP14 - Parallel Session 5</b>	<b>SP8.4</b> <b>SP8 - Parallel Session 4</b>	<b>SP9.4</b> <b>SP9 - Parallel Session 4</b>	
4:00 pm - 4:15 pm	<b>Ubiquitous formation of bulk Dirac cones and</b>	<b>A-2411</b> <b>Comparison between</b>	<b>A-1041</b> <b>Polymorphism of the low-temperature</b>	<b>A-1575</b> <b>Synthetic antiferromagnetic</b>	<b>A-2219</b> <b>Spin transfer torque ferromagnetic</b>	



	<p>topological surface states in transition-metal dichalcogenides P. King</p>	<p>magnetization reversal processes of bi-and tri-segmented diameter modulated nanowire arrays V. Prida</p>	<p>metastable magnetic states in a strained FeGe lamella V. Ukleev</p>	<p>coupling between ultra-thin insulating garnets J. M. Gomez-Perez</p>	<p>resonance in the magnetic heterostructures: interface transparency and spin memory loss A. Kumar</p>	
4:15 pm - 4:30 pm		<p>A-2421 Co<sub>2</sub>MnX (X=Si, Ge, Ga, Al, Sn) Half-Metal Magnetic grown by Molecular Beam Epitaxy S. Andrieu</p>	<p>A-1264 Effect of extended defects over the skyrmionic dynamics. Analytical and numerical treatment C. Navau</p>	<p>A-1680 Spin pumping and enhanced damping in the vicinity of the antiferromagnetic-ferromagnetic phase transition of FeRh Y. Wang</p>	<p>A-2398 Atomistic spin- and lattice-dynamics simulations: Method and applications J. Hellsvik</p>	
4:30 pm - 4:45 pm	<p>A-2037 Spin-split Landau levels of quasi 2D Dirac fermions dependent on antiferromagnetic order in EuMnBi<sub>2</sub> H. Sakai</p>	<p>A-1275 X-ray magnetic circular dichroism discloses surface spins disorder in maghemite hollow nanoparticles V. Bonanni</p>	<p>A-1281 Complex Magnetic Bubbles in Patterned NdCo<sub>5</sub> Films with Weak Perpendicular Magnetic Anisotropy A. Hierro Rodriguez</p>	<p>A-1374 Interface proximity effects near a domain wall in antiferromagnet/superconductor heterostructures V. Baltz</p>	<p>A-1763 Spin-orbit phenomena in single crystalline Fe/GaAs (001) hybrid structures L. Chen</p>	
4:45 pm - 5:00 pm	<p>A-2161 First-principles studies of transition-metal magnetic impurities in topological Dirac materials C. Holmqvist</p>	<p>A-1079 Fe<sub>x</sub>Mn<sub>1-x</sub>/PMN-PT magnetic configuration around ferromagnetic/antiferromagnetic transition G. M. Vinai</p>	<p>A-2141 Universality of defect-skyrmion interaction profiles I. L. Fernandes</p>	<p>A-1574 Thermally induced ultrafast magnetization dynamics; ferromagnets vs antiferromagnets U. Atxitia</p>	<p>A-2331 Explicit proof of hole transport across a MgO-based magnetic tunnel junction due to oxygen vacancies F. Schleicher</p>	
05:00 pm - 06:00 pm	<p>SP2.1 SP2 - Parallel session 1 Chair: D. Perconte</p>					<p>P-C Poster C 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 Magnetoelectric 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	
9:20 am - 10:00 am			<b>Behavior of Dirac material with broken symmetry (Jagadeesh Moodera)</b> J. Moodera		<b>Guiding the way to storage and sensor devices with magnetic simulations (Dieter Suess)</b> D. Suess	
10:00 am - 10:15 am	<b>Morning Coffee Break</b>					
<b>10:15 am - 12:15 pm</b>	<b>SP7.2</b> SP7 - Parallel Session 2	<b>SP15.4</b> SP15 - Parallel Session 4	<b>SP14.6</b> SP14 - Parallel Session 6	<b>SP16.2</b> SP16 - Parallel Session 2	<b>SP4.2</b> SP4 - Parallel session 2	
10:15 am - 10:30 am	Molecular scale dynamics of light-induced spin crossover in a two-dimensional layer A. Bellec	A-1096 Coherent excitation of heterosymmetric spin waves with ultrashort wavelengths J. Raabe	Interplay of chiral energy and chiral dissipation in domain wall dynamics I. M. Miron	A-2322 Lanthanide molecular systems as information processing devices for quantum computing D. Aguilà	Shape defined microelectronic functions D. Karnaushenko	
10:30 am - 10:45 am		A-1115 Pure spin current driven excitation of propagating spin waves in a spin Hall		A-2336 Solid-state electron spin lifetime limited by phononic vacuum modes		

		nano-oscillator H. Fulara		T. Astner		
10:45 am - 11:00 am	<b>A-1794</b> Gluing lanthanides spins with unpaired electrons inside fullerenes: Towards Single Molecule Magnets (SMMs) with high blocking temperatures A. Popov	<b>Non Boolean computing and signal processing using spin waves and magnetic oscillators</b> C. Gyorgy	<b>A-1141</b> Unidirectional magnon-induced domain wall motion in the presence of interfacial Dzyaloshinskii-Moriya interaction K.-W. Kim	<b>Operating quantum states in single magnetic molecules</b> W. Wernsdorfer	<b>A-1519</b> Interconnected MTJs as spintronic synapse E. Raymenants	
11:00 am - 11:15 am	<b>A-1810</b> Enhancing the magnetic hybridization of C60 on Fe(001) by two-dimensional oxides A. Brambilla		<b>A-1890</b> Asymmetric Non-collinear Magnetic Domain Wall Motion Induced By Electric Current M. A. Nsibi		<b>A-1646</b> Reducing transition curvature in heat-assisted magnetic recording with state-of-the-art write heads C. Vogler	
11:15 am - 11:30 am	<b>A-1845</b> Spin dynamics in high mobility conjugated polymers S. Schott	<b>A-1154</b> High-Frequency Dynamics of Honeycomb Artificial Spin Ice in Different Microstates D. Arroo	<b>A-1903</b> Depinning of magnetic domain walls in thin Ferromagnets V. Jeudy	<b>A-2344</b> Color centers in diamond: single spin quantum sensors for nanoscale imaging E. Neu	<b>A-1650</b> Magnetic memristor driven by spin-orbit torque B.-C. Min	
11:30 am - 11:45 am	<b>A-2109</b> Magnetic subunits within a single molecule-surface hybrid F. Matthes	<b>A-1177</b> 3D Magnonic crystals and networks S. Nikitov	<b>A-2302</b> Anisotropic domain wall velocity in quasi-perpendicularly magnetized Ta/Pt/CoFeB/Pt multilayers S. Guddeti	<b>A-2368</b> Suppression of superradiance by magnetic correlations F. Luis	<b>A-1817</b> Highly thermally stable sub-20nm magnetic random-access memory based on perpendicular shape anisotropy S. Lequeux	
11:45 am - 12:00	<b>A-2339</b>	<b>A-1326</b>	<b>A-1691</b>	<b>A-2370</b>	<b>A-1838</b>	

pm	<b>Spin-flip spectroscopy along a molecular spin chain coupled to the ferromagnetic electrodes of a sub-micronic junction</b> K. Katcko	<b>Magnon detection in an insulator-spintronics spin valve</b> J. Cramer	<b>SEMPA investigation of the Dzyaloshinskii-Moriya interaction in the single, ideally grown Co/Pt(111) interface</b> R. Frömter	<b>EPR investigations of potential molecular quantum bits</b> J. van Slageren	<b>BEOL compatible top-pinned magnetic tunnel junctions with a synthetic ferromagnetic pinning layer design</b> J. Swerts	
12:00 pm - 12:15 pm	<b>A-2282 Transport regimes of organic spintronic devices and applications in neuromorphic computing</b> A. Riminucci	<b>A-1375 Enhanced Spin Wave Group Velocity due to Exchange Coupling in a Ferrimagnetic Insulator/Ferromagnetic Metal Bilayer</b> K. An	<b>A-1289 Current driven domain wall motion in individual cylindrical magnetic nanowires</b> M. Schöbitz	<b>A-2401 Characterization of spin dynamics in open-shell aromatic radicals through EPR spectroscopy</b> A. Lodi	<b>A-1854 Mechanical detection of nanomagnetic phenomena employing coupled nano- and micro-cantilever systems</b> 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 SP2 - Parallel session 2</b> <i>Chair:</i> S. Bergeret	<b>SP3.4 SP3 - Parallel Session 4</b>	<b>SP14.7 SP14 - Parallel Session 7</b>	<b>SP5.9 SP5 - Parallel Session 9</b>	<b>SP4.3 SP4 - Parallel session 3</b>	
1:30 pm - 1:45 pm	<b>Spin-textured Josephson junctions with spin-triplet supercurrents</b> J. Aarts	<b>A-1816 Exchange-anisotropy and frustration in epitaxial thin films of SrMn<sub>0.5</sub>Ir<sub>0.5</sub>O<sub>3</sub></b> S. Dasgupta	<b>A-1892 Phase-locking and modulation in spin torque oscillators</b> J. Létang	<b>A-1695 Band structure modification and the origin of magnetism in (Ga,Mn)As: from paramagnetic through superparamagnetic to ferromagnetic phase</b> O. Yastrubchak	<b>A-2003 SOT-MRAM 300nm integration for low power and ultrafast embedded memories</b> K. Garello	
1:45 pm - 2:00 pm		A-2395	A-2308	A-1786	A-2048	

		<p><b>Magnetic order and single-ion anisotropy in frustrated magnet - Tb<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub></b> R. Wawrzynczak</p>	<p><b>Tuneable vortex dynamics with ion implantation</b> A. Kákay</p>	<p><b>Anisotropic spin-orbit torques in single crystal IrMn/Co/Pt and Pt/Co/Pt thin film multilayers</b> K. Lee</p>	<p><b>Spin-orbit torque induced domain switching in antiferromagnet/ferrimagnet heterostructures</b> G. K. Krishnaswamy</p>	
2:00 pm - 2:15 pm	<p><b>A-1338</b> <b>Original phenomena in intermetallics with coexisting 3d magnetism and intermediate valent Yb</b> T. Mazet</p>	<p><b>A-1210</b> <b>The AC susceptibility of nanocomposite rare earth titanates</b> A. Rinkevich</p>	<p><b>A-1266</b> <b>Domain formation in magnonic vortex crystals</b> J. Lütjens</p>	<p><b>A-1803</b> <b>Temperature dependent spin polarization in EuO thin film investigated by high resolution ARPES</b> T. Heider</p>	<p><b>A-2371</b> <b>Reading magnetic patterns/media with magnetoresistive sensors</b> S. Abrunhosa</p>	
2:15 pm - 2:30 pm	<p><b>A-1430</b> <b>Interface effects in superconductor-ferromagnet heterostructures</b> A. Stellhorn</p>	<p><b>A-1882</b> <b>Anomalous excitation in frustrated magnets under the external magnetic fields</b> S. Miyahara</p>	<p><b>A-1346</b> <b>Electric control of magnetic vortex core gyration dynamics</b> M. Filianina</p>	<p><b>A-1868</b> <b>Development of superparamagnetism in solution of iron oxide nanoparticles examined with RIXS-MCD</b> J. Kuciakowski</p>	<p><b>A-1260</b> <b>Time-resolved measurements of the switching of Spin Transfer Torque Random Access Memory down to the nanosecond scale</b> P. Bouquin</p>	
<b>02:30 pm - 03:30 pm</b>					<p><b>SP11.2</b> <b>SP11 - Parallel Session 2</b></p>	
2:30 pm - 2:45 pm	<p><b>A-1655</b> <b>Two-stage Kondo effect in double quantum dots coupled to ferromagnetic and superconducting leads</b> K. Wójcik</p>	<p><b>A-1320</b> <b>Magnetisation process in the rare earth tetraborides, NdB<sub>4</sub> and HoB<sub>4</sub></b> O. Petrenko</p>	<p><b>A-1552</b> <b>Probabilistic computing devices based on room temperature skyrmion diffusion</b> J. Zázvorka</p>	<p><b>A-2232</b> <b>X-ray magneto-optical effects quadratic in magnetization - Voigt and XMLD</b> D. Legut</p>	<p><b>Skyrmionic states and Bloch points in confined helimagnetic nanostructures</b> M. Beg</p>	
2:45 pm - 3:00 pm	<p><b>A-2228</b></p>	<p><b>A-1585</b></p>	<p><b>A-1556</b></p>	<p><b>A-1051</b></p>		

	<p><b>Tuning the energy of Yu–Shiba–Rusinov states on a superconducting Pb film</b> L. Malavolti</p>	<p><b>Topological classification of magnetic plateaux in spin-1/2 Heisenberg multimer chains</b> I. Maruyama</p>	<p><b>Reservoir computing based on magnetic textures</b> D. Pinna</p>	<p><b>Magnetic anisotropy in sputtered Ga-rich Fe-Ga thin films</b> R. Ranchal</p>	
3:00 pm - 3:15 pm	<p><b>A-1668</b> <b>Vortex dynamics in superconductors driven by field-free vector potentials</b> B. Niedzielski</p>	<p><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</p>	<p><b>A-1640</b> <b>Skyrmions Driven by Intrinsic Magnons</b> C. Psaroudaki</p>	<p><b>A-2301</b> <b>Nanostructures akin to graphene as attractive candidates for spintronic applications</b> S. Krompiewski</p>	<p><b>A-2082</b> <b>Experimental and computational study of magnetization reversal in Dy-Co diffused Nd-Fe-B sintered magnets</b> J. Fliegans</p>
3:15 pm - 3:30 pm	<p><b>A-2329</b> <b>Tunable proximity effect in YBCO-graphene junctions</b> D. Perconte</p>	<p><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</p>	<p><b>A-1682</b> <b>Speed Limits for Skyrmions</b> J. Müller</p>	<p><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</p>	<p><b>A-2212</b> <b>Frequency engineering of spin-torque diode</b> P. Skirdkov</p>
3:30 pm - 4:00 pm	<b>Official end of conference</b>				