Poster Session B

Materials for energy (permanent magnets, magnetocalorics, soft magnetic materials)

PS.2.001 Frozen orbital moment at rare earth M_{4,5} absorption edges in Nd based rare earth permanent magnets
S Tripathi, Max Planck Institute for Intelligent Systems, Germany

PS.2.002 Atomistic spin dynamics and temperature dependent properties of Nd_{2}Fe_{14}B
R Evans, University of York, UK

PS.2.003 TEM analysis and micromagnetic study of nano- and microcrystalline Nd-Fe-B magnets
J Fidler, Vienna University of Technology, Austria

PS.2.004 Calculation of the magnetic properties of rare earth mixed R_{(2-x)R'_{x}}Fe_{14}B intermetallic compounds
G Gomez, Neel Institute/CNRS, France

PS.2.005 The influence of short time heat treatment on the microstructure and magnetic behaviour of the SmCo5/α-Fe nanocomposite obtained by mechanical milling
R Hirian, Babes-Bolyai University, Romania

PS.2.006 Recycling of rare earth permanent magnet scrap material by hydrogen treatment routes: from waste selection to magnet recycling
A Lixandru, Fraunhofer Institut für Silicatforschung (ISC), Germany

PS.2.007 Relationship between degree of grain alignment and angular dependence of coercivity in Nd-Fe-B sintered magnets
T Maki, Hitachi Metals, Japan

PS.2.008 Mössbauer study of Zr_{1-x}CexFe_{10}Si_{2} alloys with the ThMn_{12} structure
A Martín-Cid, Fundación BC Materials, Spain

PS.2.009 Tailoring soft magnetic properties of sputtered FineMET thin films for high frequency power applications
A Masood, Tyndall National Institute, Ireland

PS.2.010 Four-ion magnetic coupling in the heavy rare earth elements
E Mendive Tapia, University of Warwick, UK

PS.2.011 Local structure of Cu in Fe_{83.3}Si_{14}B_{8}P_{4}Cu_{0.7} nanocrystalline alloy studied by XAFS
T Miyanaga, Hirosaki University, Japan

PS.2.012 Theoretical analysis of Cu addition effects in Nd-Fe-B magnets
Y Tatetsu, University of Tokyo, Japan

PS.2.013 Investigations on microstructure and magnetic properties of low-cost hybrid magnets
R-Q Wang, Sichuan University, China

http://jems2016.iopconf.org/
<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS.2.014</td>
<td>Effect of long-term thermal aging on magnetic hysteresis for low-alloy pressure vessel steel</td>
<td>S Kobayashi</td>
<td>Iwate University, Japan</td>
</tr>
<tr>
<td>PS.2.015</td>
<td>Spin Seebeck effect in Fe$_3$O$_4$ thin films for energy harvesting</td>
<td>K Morrison</td>
<td>Loughborough University, UK</td>
</tr>
<tr>
<td>PS.2.016</td>
<td>Development of high-speed switched reluctance motor for electric power tools</td>
<td>K Nakamura</td>
<td>Tohoku University, Japan</td>
</tr>
<tr>
<td>PS.2.017</td>
<td>Modeling of heat transfer processes in Co-doped Ni-Mn-In magnetic wires</td>
<td>O Pavlukhina</td>
<td>Chelyabinsk State University, Russia</td>
</tr>
<tr>
<td>PS.2.018</td>
<td>Magnetic circuit model combined with play model obtained from LLG equation</td>
<td>H Tanaka</td>
<td>Tohoku University, Japan</td>
</tr>
<tr>
<td>PS.2.019</td>
<td>Accuracy improvement of magnetic hysteresis calculated by LLG equation</td>
<td>H Tanaka</td>
<td>Tohoku University, Japan</td>
</tr>
<tr>
<td>PS.2.020</td>
<td>Calculating the magneto-elastic anisotropy across grain boundary interfaces</td>
<td>S Westmoreland</td>
<td>University of York, UK</td>
</tr>
<tr>
<td>PS.2.021</td>
<td>Influence of La substitutions on the magnetic after-effect in hexaferrites and garnets</td>
<td>P Hernandez-Gomez</td>
<td>University of Valladolid, Spain</td>
</tr>
</tbody>
</table>

### Nanoparticles and interfaces, nanomaterials and molecular magnetism

<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS.2.022</td>
<td>Mg$_{1-x}$ZnxFe$_2$O$_4$ nanoparticles: Interplay between cation distribution and magnetic properties</td>
<td>F Mazaleyrat</td>
<td>Devi Ahilya University, India</td>
</tr>
<tr>
<td>PS.2.023</td>
<td>Facile synthesis Co-doped hollow magnetite nanospheres and their microwave attenuation properties</td>
<td>M J Chua</td>
<td>National University of Singapore, Singapore</td>
</tr>
<tr>
<td>PS.2.024</td>
<td>Micromagnetic evaluation of the heat dissipation in magnetic nanowires</td>
<td>O Chubykalo-Fesenko</td>
<td>Instituto de Ciencia de Materiales de Madrid, Spain</td>
</tr>
<tr>
<td>PS.2.025</td>
<td>Enhancement of perpendicular magnetic anisotropy in FeCoZr-CaF$_2$ nanocomposite films by combined influence of nanoparticles oxidation and ion irradiation</td>
<td>V Fedotova</td>
<td>Belarusian State University, Belarus</td>
</tr>
<tr>
<td>PS.2.026</td>
<td>Exchange bias and training effect in ultrasmall core-shell cobalt ferrite nanoparticles</td>
<td>F Gomes da Silva</td>
<td>University of Brasilia, Brazil</td>
</tr>
<tr>
<td>PS.2.027</td>
<td>Core-shell mixed Zn-Co ferrite nanoparticles: Synthesis, structural and magnetic properties</td>
<td>G Gomide</td>
<td>University of Brasilia, Brazil</td>
</tr>
<tr>
<td>PS.2.028</td>
<td>Influence of coating thickness on the magnetic properties of iron-oxide nanoparticles</td>
<td>D González-Alonso</td>
<td>Universidad de Cantabria, Spain</td>
</tr>
</tbody>
</table>

http://jems2016.iopconfsf.org/
PS.2.029 Maximizing exchange-bias fields in isolated Co-CoO core-shell nanoparticles by lattice matching between shell and matrix
J A Gonzalez, Universidad de Castilla La Mancha, Spain

PS.2.030 Surface-induced modification of Tc in (La,Sr)MnO₃ nanocrystals
C Hintze, Karlsruhe Institute of Technology, Germany

PS.2.031 Magnetic dipolar structures of small nanoparticle clusters
M Kure, Technical University of Denmark, Denmark

PS.2.032 Magnetic properties of CoTb nanoparticles prepared by MS-LECB
D Le Roy, CNRS/University Lyon 1, France

PS.2.033 Magnetic and plasmonic properties of CoAg nanoparticles embedded in a matrix
O Loiselet, ILM UMR5306 CNRS, France

PS.2.034 High coercivity of strontium hexaferrite nanoparticles prepared by thermal treatment method
N Mohd Saiden, University Putra Malaysia, Malaysia

PS.2.035 Structure and magnetic properties of Fe nanoparticles embedded in a Cr matrix
T Qureshi, ISM– CNR, Italy

PS.2.036 Effect of the oxygen content in the reaction environment on size and shape of CoFe₂O₄ nanoparticles: morphological analysis by aspect maps
D Peddis, ISM – CNR, Italy

PS.2.037 Super spinglass state in a diluted nanoparticle system stabilized by interparticle interactions mediated by an antiferromagnetic matrix
G Margaris, ISM– CNR, Italy

PS.2.038 Magnetic properties of small magnetite nanocrystals
G Muscas, ISM– CNR, Italy

PS.2.039 Magnetic decoupling in CoFe₂O₄@SiO₂@Fe₃O₄ nanoparticles
B Rivas-Murias, University of Vigo, Spain

PS.2.040 Magnetic nanoparticles supracrystals as candidates for the superferromagnetic state
V Russier, CNRS, France

PS.2.041 Spin structures in iron oxide hollow nanoparticles
F Sayed, Institut des Molecules et Materiaux Du Mans (IMMM), France

PS.2.042 Synthesis, phase composition, Mössbauer and magnetic characterizations of iron oxide nanoparticles
S Sharma, UFMA, Brazil

PS.2.043 Tunable photoluminescence emission and magnetic properties in ZnCoO@MoS₂ quasi-core-shell structure
J Sun, Wuhan University, China

http://jems2016.iopconf.org/
PS.2.044 Liquid phase synthesis of ordered L$_{10}$ FePt nanoparticles induced by the addition of Bi
G Hadjipanayis, University of Delaware, USA

PS.2.045 Size-dependent ferromagnetism in bare gold nanoclusters
A Venäläinen, University of Helsinki, Finland

PS.2.046 Synthesis of quasi-core-shell Co-doped ZnO/ B-doped Graphene PN junction nanoparticles
P Wang, Wuhan University, China

PS.2.047 Hydrothermal nanocasting synthesis of Fe$_3$O$_4$ nanorods@C nanocapsules and their enhanced
electromagnetic properties
Z Yang, National University of Singapore, Singapore

**Biomagnetism and medical applications**

PS.2.048 Magnetic nanoparticles detection in hyperthermia application
H Chiriac, National Institute of Research and Development for Technical Physics, Romania

PS.2.049 Structural, magnetic and optical properties of MgFe$_2$O$_4$ nanoparticles crystallized from borate
glass
S El Shabrawy, Otto-Schott Institute of Material Research, Germany

PS.2.050 Micro-mixing-assisted synthesis of magnetic hydroxyapatite composite
Z Feng, Xiamen University, China

PS.2.051 Ferromagnetic resonance in the ethmoid bones of salmon and silver carp
S Gorobets, National Technical University of Ukraine "KPI", Ukraine

PS.2.052 Magnetic nanoparticles with shape anisotropy for in vitro mechanically-induced necrosis of
human malignant cells
H Chiriac, National Institute of Research and Development for Technical Physics, Romania

PS.2.053 Bumblebee and cockroach under microscopic view
Y Jiraskova, Academy of Sciences of the Czech Republic, Czech Republic

PS.2.054 Anisotropic ferromagnetic polymer for use in microfluidic systems
D Le Roy, CNRS/ University of Lyon 1, France

PS.2.055 Evaluation of La$_{1-x}$Sr$_x$MnO$_3$ (0 ≤ x < 0.4) synthesised via a modified sol-gel method as mediators
for magnetic fluid hyperthermia
S Bennington-Gray, Queen’s University Belfast, UK

PS.2.056 The expression levels of genes encoding homologs of magnetosome island proteins of
magnetotactic bacteria in various human tissues and organs
O Gorobets, National Technical University of Ukraine, Ukraine

PS.2.057 Hop-On and Hop-Off – dynamics of motion of superparamagnetic beads on magnetic surfaces
U Sajjad, Kiel University, Germany

http://jems2016.iopconf.org/
PS.2.058 Preparation and application of iron oxides nanoparticles functionalized with amino acids for inhibition of pathogens in wastewater
W Trujillo Herrera, San Marcos University, Peru

PS.2.059 Ultrafast hyperthermia with Fe$_3$O$_4$ nanoparticle-clusters
G Hadjipanayis, University of Delaware, USA

PS.2.060 Effect of the shape of the distribution of anisotropy constants on hysteresis losses for magnetic hyperthermia applications
G Vallejo Fernandez, University of York, UK

PS.2.061 Hyperthermia performance of core/shell nanoparticles: A Monte Carlo study
M Vasilakaki, NCSR Demokritos, Greece

PS.2.062 Effects of magnetic stress on cell mechanics
V Zablotskii, Institute of Physics, Czech Republic

Perovskites, Multiferroics, artificial/composite multiferroics

PS.2.063 Voltage control of magnetisation in magnetostrictive Galfenol bilayer thin films
D Prasad Pattnaik, University of Nottingham, UK

PS.2.064 Control of magnetoelectric properties in thin composite system
J-W Kim, Korea Institute of Materials Science, Republic of South Korea

PS.2.065 Mechanisms of anisotropy control by strain in FePt/BaTiO$_3$
L Steren, Centro Atomico Constituyentes, Argentina

PS.2.066 Field tunnability and thickness dependence of domain pattern transfer in multiferroic heterostructures
D López González, Aalto University, Finland

PS.2.067 Influence of the dynamics magnetization response in the magnetoelectric effect in multiferroic composites
A Gualdi, Federal University of São Carlos, Brazil

PS.2.068 Magnetoelectric coupling between ultrathin Fe films and Pb (Mg$_{x/3}$Nb$_{2/3}$) O$_3$\text{[1-x]}[PbTiO$_3$] x, x=0.32 (001) (PMN-PT)
S R Avula Venkata, Paul Scherrer Institut (PSI), Switzerland

PS.2.069 The effects of multiple anisotropy axes on magneto-electric coupling in multiferroic composites
S Bourn, Jeremiah Horrocks Institute for Mathematics, UK

PS.2.070 Magnetic coupling at the interface between a multiferroic and a soft ferromagnet by X-ray resonant magnetic scattering
N Jaouen, Synchrotron SOLEIL, France
PS.2.071 **Key features of the magnetic and magnetoelectric properties of rare-earth multiferroic HoFe$_3$(BO$_3$)$_4$**
N Kostyuchenko, Moscow Institute of Physics and Technology - State University, Russia

PS.2.072 **Large magnetoelectric coupling in magnetic ferroelectric (LaMn$_3$)Mn$_4$O$_{12}$**
M Verseils, IMPMC-UPMC Paris 6, France

PS.2.073 **Investigation of the multiferroicity in Eu$_2$CoMnO$_6$ and Ce$_2$CoMnO$_6$**
M Verseils, IMPMC-UPMC Paris 6, France

PS.2.074 **Large magnetoelastic coupling in magnetic ferroelectric (LaMn$_3$)Mn$_4$O$_{12}$**
C Miclea, National Institute of Materials Physics, Romania

PS.2.075 **Study of negative magnetization, exchange bias and magnetization switching of rare earth chromites**
P Gupta, National Chemistry Laboratory, India

PS.2.076 **An exploration of creating a mixed valence state of Cu in (CuCl)LaNb$_2$O$_7$**
K Ji, University of Edinburgh, UK

PS.2.077 **Growth and magnetic properties of paramagnetic Ho$_{1-x}$Nd$_x$Fe$_3$(BO$_3$)$_4$ single crystals**
I Gudim, Kirensky Institute of Physics sb Russian Academy of Sciences, Russia

PS.2.078 **Control of the magnetic configurations in magnetostrictive nanostructures across the metal-insulator phase transition of VO$_2$ imaged with x-ray microscopy**
S Finizio, Paul Scherrer Institut, Switzerland

PS.2.079 **A polarised soft X-ray study of Co-Ti substituted M-type magnetoelectric hexaferrites**
J Beevers, University of York, UK

PS.2.080 **Force minimization and first-principle spin-lattice dynamics**
D Thonig, Uppsala University, Sweden

PS.2.081 **Manipulating the RKKY coupling strength by electric fields**
R Lavrijsen, Eindhoven University of Technology, The Netherlands

PS.2.082 **Spin dependant tunnelling in ultrathin Schottky junctions based on La$_{0.56}$Sr$_{0.33}$MnO$_3$ / SrTiO$_3$:Nb interfaces**
P Lecoeur, IEF - Université Paris-Sud, France

PS.2.083 **The calculation of output characteristics of the multiferroic spin-torque nanooscillators**
A Safin, National Research University, Russia

Spin orbitronics, spintronics in antiferromagnets and skyrmions

PS.2.084 **Room temperature study of magnetic skyrmions in nanostripes by magnetic force microscopy**
K Garcia, Unité Mixte de Physique CNRS/Thales and Université Paris Sud, France

PS.2.085 **Observation of inverse spin Hall effect in wurtzite n-GaN:Si**
R Adhikari, Johannes Kepler University, Austria

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<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Author(s)</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS.2.086</td>
<td>Asymmetric merons at room temperature: experiments and simulation</td>
<td>L M Alvarez-Prado</td>
<td>University of Oviedo, Spain</td>
</tr>
<tr>
<td>PS.2.087</td>
<td>Measuring surface moment density of an antiferromagnet using a single spin magnetometer</td>
<td>P Appel</td>
<td>University of Basel, Switzerland</td>
</tr>
<tr>
<td>PS.2.088</td>
<td>Theoretical screening for suitable skyrmion materials</td>
<td>A Bergman</td>
<td>Uppsala University, Sweden</td>
</tr>
<tr>
<td>PS.2.089</td>
<td>Magnetic bubbles in Au/Co/Pd trilayers</td>
<td>C Bouard</td>
<td>CEA, France</td>
</tr>
<tr>
<td>PS.2.090</td>
<td>Room temperature chiral magnetic skyrmions in ultrathin magnetic nanostructures</td>
<td>O Boulle</td>
<td>SPINTEC, UGA/CEA/CNRS, France</td>
</tr>
<tr>
<td>PS.2.091</td>
<td>Internal structure and stability of Skyrmions in heavy metal/ferromagnet multilayers</td>
<td>K Chichay</td>
<td>Immanuel Kant Baltic Federal University, Russia</td>
</tr>
<tr>
<td>PS.2.092</td>
<td>Imaging of current-induced switching of an antiferromagnet</td>
<td>M Grzybowski</td>
<td>Polish Academy of Sciences, Poland</td>
</tr>
<tr>
<td>PS.2.093</td>
<td>Assessing the Dzyaloshinskii-Moriya interaction by magnetic force microscopy in thin multilayers supporting magnetic skyrmions</td>
<td>H J Hug</td>
<td>Swiss Federal Laboratories for Materials Testing and Research, Switzerland</td>
</tr>
<tr>
<td>PS.2.094</td>
<td>Linear and circular Fe L-edge x-ray dichroism on (Ga,Fe)N: element specific magnetometry including the antiferromagnetic components</td>
<td>I Kowalik</td>
<td>Polish Academy of Sciences, Poland</td>
</tr>
<tr>
<td>PS.2.095</td>
<td>Millisecond time resolved imaging of Skyrmion dynamics</td>
<td>R Lamb</td>
<td>Glasgow University, UK</td>
</tr>
<tr>
<td>PS.2.096</td>
<td>Efficient chiral domain wall motion with fields and currents</td>
<td>R Reeve</td>
<td>Johannes Gutenberg University, Germany</td>
</tr>
<tr>
<td>PS.2.097</td>
<td>Dynamics of chiral walls under non-collinear currents: a micromagnetic analysis</td>
<td>E Martinez</td>
<td>University of Salamanca, Spain</td>
</tr>
<tr>
<td>PS.2.098</td>
<td>Skyrmion resonance in bilayer system</td>
<td>Y Masaki</td>
<td>University of Tokyo, Japan</td>
</tr>
<tr>
<td>PS.2.099</td>
<td>Investigation of the spin-pumping effect in epitaxially grown Fe/MgO/Pt systems</td>
<td>L Mihalceanu</td>
<td>TU Kaiserslautern, Germany</td>
</tr>
<tr>
<td>PS.2.100</td>
<td>Transverse thermomagnetic transport on a skyrmion lattice</td>
<td>A Mook</td>
<td>Max Planck Institute of Microstructure Physics, Germany</td>
</tr>
<tr>
<td>PS.2.101</td>
<td>Spin-orbit effects in bulk Ge and at metal/Ge interfaces</td>
<td>A Marty</td>
<td>CEA, France</td>
</tr>
</tbody>
</table>

http://jems2016.iopconf.org/
PS.2.102 Manipulation of antiferromagnetic moments in thin IrMn
H Reichlova, Academy of Science of Czech Republic, Czech Republic

PS.2.103 Skyrmions with different topological charges in ultrathin films
L Rózsa, Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Hungary

PS.2.104 Toward accurate calculation of diffusive spin transport starting from realistic Hamiltonians. Applications to electrons, polaritons, and holes
V Sacksteder, Royal Holloway University of London, UK

PS.2.105 Skyrmions and spin spirals in canted and in-plane magnetic fields investigated by scanning tunnelling microscopy
L Schmidt, University of Hamburg, Germany

PS.2.106 Numerical study on the collective motion of antiferromagnetic skyrmion
Y Shimada, Toho University, Japan

PS.2.107 Relativistic effects in antiferromagnets
L Šmejkal, Institute of Physics, Czech Republic

PS.2.108 Probing the Dzyaloshinskii-Moriya interaction in CoFeB ultrathin films using domain wall creep and Brillouin light spectroscopy
J-P Adam, Université Paris Sud, France

PS.2.109 Minimal radius of magnetic skyrmions: Statics and dynamics
E Vedmedenko, University of Hamburg, Germany

PS.2.110 Berezinski-Kosterlitz-Thouless transition and duality transformation in chiral helimagnets
I Proskurin, Hiroshima University, Japan

Magnetism and spin transport in graphene/h-BN, carbon based and organic materials

PS.2.111 Influence of a C_{60} ultrathin layer in LSMO/STO/Co tunnel junction
I Bergenti, CNR-ISMN, Italy

PS.2.112 Magnetic properties of functionalized molecules/cobalt hybrid thin films
S M Cherif, Université Paris 13-Nod, France

PS.2.113 Towards large area and high quality few-layer-thick transition metal diselenides with uniform magnetic doping
A Marty, INAC-SPINTEC CEA Grenoble, France

PS.2.114 Spinteface based on LSMO and T_{6}
P Graziosi, CNR-ISMN, Italy

PS.2.115 Room temperature magneto-transport properties in oxidized-graphenic nanoplatelets and thin films extracted from bamboo
K Gross, CENM-Universidad del Valle, Colombia

http://jems2016.iopconfsl.org/
PS.2.116  Comparison of heavy metal adsorption properties using magnetite-graphene oxide and magnetite-reduced graphene oxide
S Lee, Korea Electronics Technology Institute, Republic of South Korea

PS.2.117  Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres
B Nafradi, EPFL/IPMC, Switzerland

PS.2.118  Frequency-dependent conductance of a single molecular magnet coupled to ferromagnetic leads
A Plominska, Adam Mickiewicz University, Poland

PS.2.119  Visualizing chemical states and defects induced magnetism of graphene oxide by spatially-resolved-X-ray microscopy and spectroscopy
W-F Pong, Tamkang University, Taiwan

PS.2.120  Ab-initio calculations of the magnetic properties of metal-doped boron-nitrogen nanoribbon
J Rufinus, Widener University, USA

PS.2.121  Magnetic property of fullerene C_{20} : A first-principles study
I Setiyawati, National Central University, Taiwan

PS.2.122  Characterization of a volatile particle using a field-induced translation
C Uyeda, Osaka University, Japan

PS.2.123  Novel spin injection into graphene
J Warren, University of Manchester, UK

PS.2.124  Electron structure and transport at the C_{60}/Si and C_{60}/Fe_{3}O_{4} interface
J Zhang, University of York, UK

Magnetic memories and magnetic recording, sensors

PS.2.125  The impact of damping constant of the soft phase within ECC media for heat assisted magnetic recording
R Ababei, University of York, UK

PS.2.126  Micromachined high-frequency magnetoimpedance device for strain and magnetic field sensing
G Büttel, Saarland University, Germany

PS.2.127  Effect of high density plasma processes on microstructures and perpendicular magnetic properties of single-layered FePt films
S U Jen, Ming Chi University of Technology, Taiwan

PS.2.128  Pulsed laser ablation of exchange-biased metallic spin valves
S Guddeti, Indian Institute of Science Bangalore, India

Structural and magnetic properties of L_{10} FePt/Interlayer/L_{10} FePt trilayers
G Giannopoulos, NCSR Demokritos, Greece

http://jems2016.iopconf.org/
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS.2.129</td>
<td>GMR probes for magnetic micro-imaging and non-destructive evaluation</td>
</tr>
<tr>
<td>F Hadadheh, CEA, France</td>
<td></td>
</tr>
<tr>
<td>PS.2.130</td>
<td>Correlation between crystal planes and disordering of ordered L10 FePt structure caused by ion irradiation</td>
</tr>
<tr>
<td>T Hasegawa, Akita University, Japan</td>
<td></td>
</tr>
<tr>
<td>PS.2.131</td>
<td>Magnetostriction measurement system of magnetic thin films with Michelson interference</td>
</tr>
<tr>
<td>N Inaba, Yamagata University, Japan</td>
<td></td>
</tr>
<tr>
<td>PS.2.132</td>
<td>Magnetostrictive materials for aerospace applications</td>
</tr>
<tr>
<td>N Morley, University of Sheffield, UK</td>
<td></td>
</tr>
<tr>
<td>PS.2.133</td>
<td>CoFe-microwires with stress-dependent magnetostriction as embedded sensing elements</td>
</tr>
<tr>
<td>M Salem, National University of Science and Technology, Russia</td>
<td></td>
</tr>
<tr>
<td>PS.2.134</td>
<td>A micromagnetic study of spin wave eigenmodes in magnetic tunnel junction: influence of the edges shape and tilt of magnetic field</td>
</tr>
<tr>
<td>M Pauselli, Università degli Studi di Perugia, Italy</td>
<td></td>
</tr>
<tr>
<td>PS.2.135</td>
<td>Skyrmionic signal reshuffler</td>
</tr>
<tr>
<td>D Pinna, Unité Mixte de Physique CNRS/Thales, France</td>
<td></td>
</tr>
<tr>
<td>PS.2.136</td>
<td>Magnetic field induced broadband absorption in the mixed phase of metamagnets</td>
</tr>
<tr>
<td>M Pregelj, Jozef Stefan Institute, Slovenia</td>
<td></td>
</tr>
<tr>
<td>PS.2.137</td>
<td>A model of spin torque transfer (STT) in a non-zero temperature system described by path-integral formalism</td>
</tr>
<tr>
<td>J Talbot, University of Manchester, UK</td>
<td></td>
</tr>
<tr>
<td>PS.2.138</td>
<td>Switching field and resolution of MFM tips prepared by coating Fe/Co50Pt50 magnetic thin films</td>
</tr>
<tr>
<td>Y Tomita, Chuo University, Japan</td>
<td></td>
</tr>
<tr>
<td>PS.2.139</td>
<td>Anisotropy phase-graded L10/A1 FePt films on amorphous glass substrates</td>
</tr>
<tr>
<td>G Varvaro, ISM – CNR, Italy</td>
<td></td>
</tr>
<tr>
<td>PS.2.140</td>
<td>Magnetic memory-magnetic logic integrated device</td>
</tr>
<tr>
<td>X Zhang, Tsinghua University, China</td>
<td></td>
</tr>
</tbody>
</table>

**Spin waves, magnonics and dynamics**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS.2.141</td>
<td>Brillouin light scattering study of Dzyaloshinskii-Moriya interaction in CoFeB films with perpendicular magnetic anisotropy</td>
</tr>
<tr>
<td>S M Cherif, Université Paris 13-Nod, France</td>
<td></td>
</tr>
<tr>
<td>PS.2.142</td>
<td>Tuning the mutual synchronization of electrically coupled spin-torque oscillators by selecting the vortex excitation mode</td>
</tr>
<tr>
<td>M Romera, UMR CNRS/Thales, France</td>
<td></td>
</tr>
</tbody>
</table>
PS.2.143  **Manipulation of the dynamical state of dipolarly coupled spin-torque vortex oscillators by an external rf source**
X de Milly, CEA, France

PS.2.144  **Characterization of spin relaxation anisotropy in Co using spin pumping**
Y Li, SPEC - CEA Saclay, France

PS.2.145  **Steering spin pumping with structurally engineered interfaces in Fe/NM (Pt, Au, Pd) bilayers**
E Papaioannou, TU Kaiserslautern, Germany

PS.2.146  **Spin-transfer torque based damping control of parametrically excited spin waves in a magnetic insulator**
V Lauer, University of Kaiserslautern, Germany

PS.2.147  **Microscopic theory of spin-wave spin torque**
T Yamaguchi, Nagoya University, Japan

PS.2.148  **Interaction between propagating spin waves and a skyrmion in perpendicularly magnetized nanostripes**
S-K Kim, Seoul National University, Republic of (South Korea)

PS.2.149  **Spin-wave modes and domain-wall motions in soft magnetic nanotubes driven by circular-rotating magnetic fields**
S-K Kim, Seoul National University, Republic of (South Korea)

PS.2.150  **Planar Hall effect and anisotropic magnetoresistance of magnons in a magnetic insulator**
J Liu, University of Groningen, The Netherlands

PS.2.151  **Ultra-low-current spin Hall nano-oscillators based on NiFe/W bilayers**
H Mazraati, Nanosc AB / Royal Institute of Technology KTH, Sweden

PS.2.152  **Estimating the Oersted field in a spin Hall nano-oscillator**
A H Banuazizi, KTH Royal Institute of Technology, Sweden

PS.2.153  **Controlling spin wave damping in YIG films using spin polarized current**
M Haidar, University of Gothenburg, Sweden

PS.2.154  **Magneto-dynamical modes in hybrid nano-contact magnetic tunnel junction spin torque oscillators**
A Houshang, University of Gothenburg, Sweden

PS.2.155  **Time resolved imaging of coupled nano-contact spin transfer vortex oscillators**
E Burgos Parra, University of Exeter, UK

PS.2.156  **Measurement of the exchange stiffness in ultrathin perpendicularly magnetized CoFeB layers**
T Devolder, CNRS, France

PS.2.157  **Homodyne-detected ferromagnetic resonance of in-plane magnetized nano-contacts: composite spin wave resonances and their excitation mechanism**
M Fazlali, University of Gothenburg, Sweden
Nonlinear spin wave excitation at the interface between two ferromagnets with broken spatial inversion symmetry
O Gorobets, Institute of Magnetism, Ukraine

Tunable magnetization dynamics in interfacially modified Ni$_{81}$Fe$_{19}$/Pt bilayer thin film microstructures
S Azzawi, Durham University, UK

Evolution of damping in ferromagnetic/nonmagnetic thin film bilayers as a function of nonmagnetic layer thickness
S Azzawi, Durham University, UK

Anderson localization of spin waves in chiral magnets in momentum space: coherent back- and forward scattering
M Evers, University of Konstanz, Germany

Spectrum of spin waves in an elliptical helix
V Tkachenko, Donetsk National University, Ukraine

Propagation of surface acoustic waves in epitaxied and magnetostrictive Fe$_x$Ga$_{1-x}$ thin films
M Marangolo, Institut des Nanosciences de Paris, France

Magnetic thin films, surface, interfaces and patterned thin films

Study the effect of growth parameters on magnetostrictive amorphous FeGaSiB thin films
Q Aldulaim, University of Sheffield, UK

Reconfigurable exchange bias-like effect in hybrid hard/soft patterned magnetic composites
L M Alvarez-Prado, University of Oviedo, Spain

Magnetic characterization of Fe(FeO$_x$)/Ir(OrO$_y$) multilayers grown by magnetron sputtering
E Arias, ICMA, Spain

Time-resolved holography with extended reference by autocorrelation linear differential operator (HERALDO) imaging of nano-scale magnetic vortex dynamics
N Bukin, University of Exeter, UK

Untangling the contributions of cerium- and iron- to the magnetism of Ce-doped yttrium iron garnet
B Casals, ICMAB-CSIC, Spain

Magnetic and transport properties of Co/Pd multilayers deposited in nanodomes
J Denardin, Universidad de Santiago, Chile

Exchange biased Py/Py-oxide antidot arrays: effect of morphology on magnetic properties
A Fedotov, Belarusian State University, Belarus

Inducing anisotropy in rare earth free alternate layers [Fe-Co/Au-Cu]n, coherently grown on MgO (100) substrates
G Giannopoulos, NCSR Demokritos, Greece

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Asymmetry in anomalous Hall effect measurements of bilayer magnetic islands
R Griffiths, University of Manchester, UK

Ferromagnetic resonance modes in interlayer-exchange-coupled films and nano-dot arrays
X Hu, Physikalisch-Technische Bundesanstalt, Germany

Advancement in the interface compatibility of LSMO thin films deposited on a buffered Si wafer
H Huhtinen, University of Turku, Finland

Modification of magnetization orientation in Pt/Co/Pt ultrathin films by single and multiple femtosecond laser pulses
J Kisielewski, University of Bialystok, Poland

In-situ polarised neutron reflectometry during thin film growth
W Kreuzpaintner, Technical University of Munich, Germany

Ion beam irradiation of [Fe/Pt]n multilayers with Ne+ ions as an approach to obtain ordered FePt alloys for tilted magnetic recording media
A Marynowska, Institute of Physics Polish Academy of Sciences, Poland

Fe layer induced ferromagnetism in Pd: An in-situ polarised neutron reflectometry study
S Mayr, Technical University of Munich, Germany

Variation of magnetic domain structure in Pt/Co/Pt film driven by ion irradiation
P Mazalski, The Jerzy Haber Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences, Poland

FORC analysis of a FeRh thin film deposited on an ordered matrix of Ni nanowires
G Pessotto, University of São Paulo, Brazil

Embedded all amorphous magnetic microstructures
G Muscas, Uppsala University, Sweden

Preparation of FePt alloy thin films on cubic (001) oxide single-crystal substrates
M Nakamura, Chuo University, Japan

Imaging of patterned ferromagnetism in Ne+ irradiated FeAl thin films by advanced Lorentz TEM microscopy
M Nord, University of Glasgow, UK

Microstructure analysis of Co thin film grown on Au underlayer with island-like surface
M Ohtake, Kogakuin University, Japan

Behavior of the antiferro-ferromagnetic transition in a FeRh thin film layer coupled to Ni nanowires
G Pessotto, University of São Paulo, Brazil

Domain wall spin structures in mesoscopic Fe rings
R M Reeve, Johannes Gutenberg University, Germany

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PS.2.187 **Effect of deposition conditions on the magnetic anisotropy of La$_{0.7}$Sr$_{0.3}$MnO$_3$ thin films**
J Milano, CIQUS, Spain

PS.2.188 **The role of anti-site disorder and oxygen vacancies in post-annealed Sr$_2$FeMoO$_6$ thin films**
M Saloaro, University of Turku, Finland

PS.2.189 **Micromagnetic simulation study of magnetic anisotropy in obliquely deposited thin films**
P Solovev, Kirensky Institute of Physics, Russia

PS.2.190 **Modification of Pt/Co/Pt ultrathin trilayers with UV laser pulse irradiation**
W Szuszkieicz, Institute of Physics Polish Academy of Sciences, Poland

PS.2.191 **Magnetic behavior of FePt films in CD and Si patterned substrates**
M Vasilakaki, NCSR Demokritos, Greece

PS.2.192 **Direct observation of magnetic domain propagations in TbFeCo dots thin films**
Y Wang, University of York, UK

PS.2.193 **Magnetic properties of artificially designed magnetic landscapes in laterally confined exchange-biased layers**
D Mitin, University of Augsburg, Germany

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