

P-We01	* Lavinia Elena Nistor (1), Bernard Rodmacq (1), Clarisse Ducruet (2), Stephane Auffret (1), Bernard Dieny (1)	(1) Cea, Spintec, Grenoble, France; (2) CROCUS Technologies, Grenoble, France	INFLUENCE OF OXIDATION CONDITIONS ON THE MAGNETIC AND TRANSPORT PROPERTIES OF MgO BASED MAGNETIC TUNNEL JUNCTIONS WITH PERPENDICULAR ANISOTROPY
P-We02	* FREDERIC BONELL (1), STEPHANE ANDRIEU (1), FRANCOIS BERTRAN (2), PATRICK LEFEVRE (2), AMINA TALEB IBRAHIMI (2), ETIENNE SNOECK (3), JAMAL BEN YOUSSEF (4), CORIOLAN-VIOREL TIUSAN (1), FRANCOIS MONTAIGNE (1)	(1) Institut Jean Lamour (UMR 7198 CNRS - Nancy-Université - UPV-Metz), Nanomagnetism and Spintronics Team, Vandoeuvre-les-Nancy, FRANCE; (2) SOLEIL Synchrotron, CASSIOPEE beamline, Gif-sur-Yvette, FRANCE; (3) CEMES (CNRS), Toulouse, FRANCE; (4) CNRS Laboratoire de Magnétisme de Bretagne, Brest, FRANCE	MgO based epitaxial magnetic tunnel junctions using FeV electrodes
P-We03	* Tomoaki Inokuchi (1), Takao Marukame (1), Mizue Ishikawa (1), Hideyuki Sugiyama (1), Yoshiaki Saito (1)	(1) Toshiba Corporation, Corporate R&D Center, Kawasaki, Japan	SPIN DEPENDENT TRANSPORT BETWEEN EXCHANGE-BIASED MAGNETIC PINNED-LAYER AND MAGNETIC FREE-LAYER THROUGH LATELAL GaAs CHANNEL
P-We04	* Takahide Kubota (1), Sumito Tsunegi (1), Mikihiro Oogane (1), Shigemi Mizukami (2), Terunobu Miyazaki (2), Hiroshi Naganuma (1), Yasuo Ando (1)	(1) Tohoku University, Department of Applied Physics, Sendai, Japan; (2) Tohoku University, WPI Advanced Institute for Materials Research, Sendai, Japan	COMPOSITION DEPENDENCE OF TUNNELING TRANSPORT PROPERTIES AND GILBERT DAMPING CONSTANT IN HALF-METALLIC Co ₂ Fe _x Mn _{1-x} Si HEUSLER ALLOYS
P-We05	* Hiroaki Sukegawa (1), Tomoya Nakatani (2), Wenhong Wang (1), Rong Shan (1), Seiji Mitani (1), Koichiro Inomata (1), Kazuhiro Hono (1)	(1) National Institute for Materials Science (NIMS), Magnetic Materials Center, Tsukuba, Japan; (2) University of Tsukuba, Graduate School of Pure and Applied Sciences, Tsukuba, Japan	HIGH TUNNEL MAGNETORESISTANCE IN FULLY-EPITAXIAL MAGNETIC TUNNEL JUNCTIONS WITH FULL HEUSLER Co ₂ FeAl _{0.5} Si _{0.5} ALLOYS
P-We06	* Chaolin Zha (1), Johan Persson (1), Stefano Bonetti (1), Yeyu Fang (1), Johan Åkerman (1)	(1) Royal Institute of Technology, Department of Microelectronics and Applied Physics, Kista, Sweden	PSEUDO SPIN VALVES BASED ON L10 (111) FEPT WITH TILTED ANISOTROPY
P-We07	* Martin Jourdan (1), Christian Herbort (1), Elena Arbelo Jorge (1)	(1) Universität Mainz, Institut für Physik, Mainz, Germany	MAGNETORESISTANCE ENHANCEMENT OF TUNNELING JUNCTIONS WITH THE HEUSLER ELECTRODE Co ₂ Cr _{0.6} Fe _{0.4} Al
P-We08	* Michal Wilczynski (1), Renata Swirkowicz (1), Jozef Barnas (2)	(1) Warsaw University of Technology, Faculty of Physics, Warsaw, Poland; (2) Adam Mickiewicz University, Department of Physics, Poznan, Poland	Spin Torque Exerted on Ferromagnetic Layers in Tunnel Junctions
P-We09	* Nobuhito Inami (1), Gukcheon Kim (1), Hiroshi Naganuma (1), Mikihiro Oogane (1), Yasuo Ando (1)	(1) Tohoku University, Department of Applied Physics, Sendai, Japan	CHARACTERIZATIONS OF FePt/MgO/CoPt MAGNETIC TUNNEL JUNCTION WITH PERPENDICULAR MAGNETOANISOTROPY
P-We10	* Nicki Hinsche (1), Michael Fechner (1), Igor Maznichenko (1), Peter Bose (1), Sergei Ostanin (2), Arthur Ernst (2), Jürgen Henk (2), Peter Zahn (1), Ingrid Mertig (1)	(1) Martin-Luther Universität Halle-Wittenberg, Institut für Physik, Halle, Germany; (2) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany	MAGNETORESISTANCE AND ELECTRORESISTANCE IN MULTIFERROIC TUNNEL JUNCTIONS
P-We11	* Nicholas Porter (1), Damien McGruther (2), Christopher Marrows (3)	(1) University of Leeds, School of Physics and Astronomy, Leeds, England; (2) University of Glasgow, Department of Physics and Astronomy, Glasgow, Scotland; (3) University of Leeds, School of Physics and Astronomy, Leeds, England	MAGNETORESISTANCE EXCEEDING 1700% IN THIN FILM FeSi.

P-We12	* Gabriel Autes (1), Andrey Umerski (1), George Mathon (2)	(1) Open University, Mathematics, Milton Keynes, United Kingdom; (2) City University, Mathematics, London, United Kingdom	THEORETICAL STUDY OF SPIN INJECTION THROUGH A Fe/GaAs INTERFACE
P-We13	* Wenhong Wang (1), Hiroaki Sukegawa (1), Rong Shan (1), Koichiro Inomata (1)	(1) Magnetic Materials Center (MMC), National Institute for Materials Science (NIMS), Tsukuba, 305-0047, Japan	Structure and magnetic properties of epitaxial Full-Heusler $\text{Co}_2\text{FeAl}_{0.25}\text{Si}_{0.75}$ films and TMR using their electrodes
P-We14	* Nobuki Tezuka (1), Tatsuya Saito (1), Ken Kikuchi (1), Akimitsu Sasaki (1), Satoshi Sugimoto (1), Takashi Takenaga (2)	(1) Tohoku University, Sendai, JAPAN; (2) Mitsubishi Electric Corporation, Amagasaki, JAPAN	Spin Dependent Transport Properties of Magnetic Tunnel Junctions with $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}$ Heusler electrodes
P-We15	* Atsufumi Hirohata (1), Isamu Sugai (2), Masaki Mizuguchi (2), Koki Takanashi (2), Stuart Holmes (3)	(1) University of York, Department of Electronics, York, United Kingdom; (2) Tohoku University, Institute for Materials Research, Sendai, Japan; (3) Toshiba Research Europe Limited, Cambridge Research Laboratory, Cambridge, United Kingdom	EXPERIMENTAL DEMONSTRATION OF A PERSISTENT CURRENT
P-We16	* Kay Yakushiji (1), Hitoshi Kubota (1), Akio Fukushima (1), Taro Nagahama (1), Shinji Yuasa (1), Koji Ando (1)	(1) AIST, Tsukuba, Japan	Perpendicular-MgO-MTJs with hcp-c-plane oriented [Co/Pt] _n superlattice
P-We17	* Enrique Vilanova Vidal (1), Horst Schneider (1), Gerhard Jakob (1)	(1) Johannes Gutenberg-Universität, Institut für Physik, KOMET 333, Mainz, Germany	PROPERTIES OF THIN EPITAXIAL FILMS OF THE HEUSLER COMPOUNDS $\text{Co}_2\text{Fe}_{0.5}\text{Mn}_{0.5}\text{Si}$ AND Co_2MnAl
P-We18	* Misako Morota (1), Kohei Onnishi (1), Takashi Kimura (2), YoshiChika Otani (1)	(1) Institute for Splid State Physics, Division of Nanoscale Science, Kashiwa, Japan; (2) INAMORI Frontier Reserch Center, Department of Electronic Materials and Devices, Fukuoka, Japan	Spin Hall Effect in transition metals
P-We19	* Martina Mueller (1), Guo-Xing Miao (2), Jagadeesh S. Moodera (2)	(1) Research Center Juelich, Institute of Solid State Research, Juelich, Germanz; (2) Massachusetts Institute of Technology, Francis Bitter Magnet Laboratory, Cambridge, MA, USA	Exchange splitting and spin transport in magnetic tunnel barriers
P-We20	* Sumito Tsunegi (1), Yuya Sakuraba (2), Mikihiko Oogane (1), Hiroshi Naganuma (1), Nobuhito Inami (1), Koki Takanashi (2), Yasuo Ando (1)	(1) Tohoku University, Department of Applied Physics, Sendai, Japan; (2) Tohoku University, Institute for Materials Research, Sendai, Japan	The effect of inserting thin CoFeB layer into the $\text{Co}_2\text{MnSi}/\text{MgO}$ interface on TMR effect
P-We21	* Jun-ichiro Inoue (1), Takuro Tanaka (2), Hiroshi Kontani (2)	(1) Nagoya University, Department of Applied Physics, Nagoya, Japan; (2) Nagoya University, Department of Physics, Nagoya, Japan	SPIN AND ANOMALOUS HALL EFFECTS IN NOBLE METALS AND MAGNETIC GRANULER FILMS
P-We22	Ichiro Takada (1), Seiichiro Onari (1), Hiroyoshi Itoh (2), Shyuta Honda (1), * Jun-ichiro Inoue (1)	(1) Nagoya University, Department of Applied Physics, Nagoya, Japan; (2) Kansai University, Department of Pure and Applied Physics, Suita, Japan	EFFECTS OF SPIN FLUCTUATION ON TUNNEL MAGNETORESISTANCE IN HUESLER JUNCTIONS
P-We23	* Mikihiko Oogane (1), Satoshi Hida (1), Sumito Tsunegi (1), Hiroshi Naganuma (1), Nobuhito Inami (1), Yasuo Ando (1)	(1) Tohoku Univ., Applied Physocs, Sendai, Japan	SPIN TRANSFER SWITCHING IN MAGNETIC TUNNEL JUNCTIONS WITH A HALF-METALLIC HEUSLER ALLOY ELECTRODE

P-We24	* Syuta Honda (1), Jun-ichiro Inoue (1), Hiroyoshi Itoh (2)	(1) Nagoya University, Department of Applied Physics, Nagoya, Japan; (2) Kansai University, Department of Pure and Applied Physics, Suita, Japan	NEGATIVE TUNNEL MAGNETORESISTANCE OF Fe/GaAs/Fe JUNCTIONS
P-We25	Dimitri Houssameddine (1), * Karin-Liliana Garcia (1), Juan-Francisco Sierra (1), Bertrand Delaët (2), Ursula Ebels (1), Marie-Claire Cyrille (2), Jean-Phillippe Michel (2), Daria Gusakova (3), Liliana-Daniela Buda-Prejbeanu (1), Bernard Dieny (1), Berthold Ocker (4), Jürgen Langer (4), Wolfram Maass (4)	(1) SPINTEC, URA 2512 CEA/CNRS/UJF/INPG, Grenoble, France; (2) CEA-LETI-MINATEC, DRT/LETI/DIHS, Grenoble, France; (3) CPMOH Laboratory, University of Bordeaux, Bordeaux, France; (4) Singulus Technologies, Kahl/Main, Germany	SPIN-POLARIZED CURRENT-DRIVEN EXCITATIONS IN SPIN-VALVE NANOPILLARS WITH A SYNTHETIC ANTIFERROMAGNETIC PINNED LAYER
P-We26	* Yohio Miura (1), Mitsuru Suzuki (1), Kazutaka Abe (1), Masafumi Shirai (1)	(1) Tohoku University, RIEC, Sendai, Japan	A FIRST-PRINCIPLES STUDY ON THE TUNNELING MAGNETORESISTANCE OF Fe-INSERTED FePt/MgO/FePt MAGNETIC TUNNEL JUNCTIONS
P-We27	* Horst Schneider (1), Enrique Vilanova Vidal (1), Stanislav Chadov (2), Gerhard Fecher (2), Claudia Felser (2), Gerhard Jakob (1)	(1) University of Mainz, Institute of Physics, Mainz, Germany; (2) University of Mainz, Inst. of Anorganic and Analytical Chemistry, Mainz, Germany	ANOMALOUS HALL EFFECT AND ELECTRONIC STRUCTURE OF Co ₂ Fe _x Mn _{1-x} Si FILMS
P-We28	* Vitalii Dugaev (1), Patrick Bruno (2)	(1) Rzeszow University of Technology, Department of Physics, Rzeszow, Poland; (2) ESRF, Grenoble, France	ANOMALOUS HALL EFFECT FROM THE DIRAC EQUATION: ELECTRONS IN A PERIODIC POTENTIAL
P-We29	* Petru Vlaic	University of Medicine and Pharmacy 'Iuliu Hatieganu', Physics and Biophysics, Cluj-Napoca, Romania	ELECTRONIC STRUCTURE AND TRANSPORT PROPERTIES OF LiF BASED MAGNETIC TUNNEL JUNCTION
P-We30	* Tomoyuki Taira (1), Shinnosuke Hirata (1), Takayuki Ishikawa (1), Ken-ichi Matsuda (1), Tetsuya Uemura (1), Masafumi Yamamoto (1)	(1) Hokkaido University, Division of Electronics for Informatics, Sapporo, Japan	SPIN-DEPENDENT TUNNELING CHARACTERISTICS OF FULLY EPITAXIAL Co ₂ MnGe/MgO/Co ₂ MnGe MAGNETIC TUNNEL JUNCTIONS
P-We31	* Oliver Rader (1), Andrei Varykhalov (1), Jaime Sánchez-Barriga (1), Artem Rybkin (2), Dmitry Marchenko (2), Alexander M. Shikin (2)	(1) Helmholtz-Zentrum Berlin, BESSY II, Berlin, Germany; (2) St. Petersburg State University, Department of Physics, St. Petersburg, Russia	SPIN-RESOLVED PHOTOEMISSION OF RASHBA-TYPE SPIN-ORBIT SPLITTINGS IN METAL QUANTUM WELLS AND IN GRAPHENE
P-We32	* Andrey Umerski (1), George Mathon (2), Ola Wessely (3)	(1) Open University, Mathematics, Milton Keynes, United Kingdom; (2) City University, Mathematics, London, United Kingdom; (3) Imperial College, Mathematics, London, United Kingdom	THEORY OF SPIN-TRANSFER TORQUE IN THE CURRENT-IN-PLANE GEOMETRIES
P-We33	* Maciej Misiorny (1), Ireneusz Weyman (1), Józef Barna ^{#347} ; (1)	(1) Adam Mickiewicz University, Faculty of Physics, Pozna ^{#324} ;, POLAND	Spin effects in transport through a single-molecule magnet in the sequential and cotunneling regimes
P-We34	* Wojciech Rudzinski	Adam Mickiewicz University, Department of Physics, Poznan, POLAND	COHERENT SPIN-FLIP TRANSITIONS IN A QUANTUM-DOT-BASED SPIN VALVE AND SPIN DIODE

P-We35	Klaus Seemann (1), Mark Hickey (1), Vincent Baltz (1), Jorge Miguel (2), Florian Kronast (3), Wolfgang Kuch (3), Bryan Hickey (1), * Christopher Marrows (1)	(1) University of Leeds, School of Physics and Astronomy, Leeds, UK; (2) Freie Universität Berlin, Institut für Experimentalphysik, Berlin, Germany; (3) BESSY, Berlin, Germany	HIGH SPIN-POLARIZATION OF DIFFUSIVE CURRENTS IN EPITAXIAL L10 FePt AND FePd
P-We36	* SORAYA SANGIAO (1), LUIS MORELLON (1), GALA SIMON (1), JOSE MARIA DE TERESA (2), JOSE ANGEL PARDO (3), JORDI ARBIOL (4), RICARDO IBARRA (1)	(1) Instituto de Nanociencia de Aragon, Fisica de la Materia Condensada, Zaragoza, Spain; (2) Instituto de Ciencia de Materiales de Aragon, Departamento de Fisica de la Materia Condensada, Zaragoza, Spain; (3) Instituto de Nanociencia de Aragon, Ciencia y Tecnologia de Materiales y Fluidos, Zaragoza, Spain; (4) Universitat de Barcelona, TEM-MAT - Serveis Cientifico tecnics, Barcelona, Spain	ANOMALOUS HALL EFFECT IN FERROMAGNETIC THIN FILMS OVER A WIDE RANGE IN CONDUCTIVITY
P-We37	* Vitalii Dugaev (1), Jozef Barnas (2)	(1) Rzeszow University of Technology, Department of Physics, Rzeszow, Poland; (2) Adam Mickiewicz University, Department of Physics, Poznan, Poland	SPIN TORQUE IN MAGNETIC MULTILAYERS: FROM DIFFUSIVE TO BALLISTIC AND THEN TO QUANTUM REGIMES
P-We38	Yves Henry (1), * Stéphane Mangin (2), Julien Cucchiara (2), Jordan Katine (3), Eric Fullerton (4)	(1) IPCMS, CNRS, Strasbourg, France; (2) Nancy-Université, IJL, Nancy, France; (3) Hitachi-GST, San Jose, USA; (4) UCSD, CMRR, San Diego, USA	EVOLUTION OF THE STONER-WOHLFARTH ASTROID WITH A SPIN POLARIZED CURRENT
P-We39	* GUKCHEON KIM (1), MIKIHICO OOGANE (2), HIROSHI NAGANUMA (3), YASUO ANDO (4)	(1) Tohoku University, Applied Physics, Sendai, Japan; (2) Tohoku University, Applied Physics, Sendai, Japan; (3) Tohoku University, Applied Physics, Sendai, Japan; (4) Tohoku University, Applied Physics, Sendai, Japan	FABRICATION OF MAGNETIC TUNNEL JUNCTION USING L10-CoNiPt WITH LOW SATURATION MAGNETIZATION
P-We40	* B. -C. MIN (1), I. J. SHIN (1), G. M. CHOI (1), J. LANGER (2), B. OCKER (2), K. -H. SHIN (1)	(1) KIST, SEOUL, SOUTH KOREA; (2) Singulus NDT, Kahl am Main, Germany	MgO-BASED MTJS WITH CoFeB/ Ru/ FERROMAGNET SYNTHETIC FREE LAYERS
P-We41	* Huadong Gan (1), Shoji Ikeda (1), Jun Hayakawa (2), Hiroyuki Yamamoto (2), Katsuya Miura (2), Haruhiro Hasegawa (1), Fumihiko Matsukura (1), Hideo Ohno (1)	(1) Laboratory for Nanoelectronics and Spintronics, RIEC, Tohoku University, Sendai, Japan; (2) Advanced Research Laboratory, Hitachi, Ltd., Tokyo, Japan	Effects of annealing temperature on giant tunnel magnetoresistance ratio and tunneling spectroscopy of CoFeB/MgO/CoFeB magnetic tunnel junctions
P-We42	* Julius Mennig (1), Frank Matthes (1), Daniel Bürgler (1), Claus Michael Schneider (1)	(1) Forschungszentrum Jülich, Institut für Festkörperforschung IFF-9, Jülich, Germany	IN SITU FABRICATION OF LATERAL Cu/Co SPIN VALVES
P-We43	* Peter Bose (1), Peter Zahn (1), Ingrid Mertig (1), Jürgen Henk (2)	(1) Martin-Luther-Universität Halle-Wittenberg, Institut für Physik, FG Theorie, Halle, Germany; (2) Max-Planck-Institut für Mikrostrukturphysik, Theory Department, Halle, Germany	TAILORING TMR RATIOS IN Fe/MgO/Fe BY MAGNETIC BUFFER LAYERS: PREDICTIONS FROM FIRST-PRINCIPLES THEORY
P-We44	Christopher H. Marrows (1), Bryan J. Hickey (1), Manfred Ruhrig (2), L. Bar (2), * Anna K. Suszka (1)	(1) University of Leeds, School of Physics and Astronomy, Leeds, UK; (2) Siemens AG Corporate Technology, Erlangen, Germany	Anomalous zero bias behaviour of conductance in Cu-dusted MgO- based magnetic tunnel junctions

P-We45	* Anna K. Suszka (1), Christopher H. Marrows (1), Bryan J. Hickey (1), Manfred Ruhrig (2), L. Bar (2), J.N. Chapman (3), M. MacKenzie (3)	(1) University of Leeds, School of Physics and Astronomy, Leeds, UK; (2) Siemens AG, Corporate Technology, Erlangen, Germany; (3) University of Glasgow, Department of Physics and Astronomy, Glasgow, UK	Resonant inversion of tunnelling magnetoresistance in MgO-based tunnel junctions
P-We46	* Masashi Shiraishi (1), Megumi Ohishi (1), Ryo Nouchi (1), Nobuhiko Mitoma (1), Takayuki Nozaki (1), Teruya Shinjo (1), Yoshishige Suzuki (1)	(1) Osaka Univ., Graduate School of Engineering Science, Toyonaka, Japan	Spin Transport Properties in Graphene-based Spin Valves
P-We47	Janusz Dubowik (1), * Iwona Goscianska (2), Waldemar Bednarski (1), Bartłomiej Andrzejewski (1), Yuriy Kudryavtsev (3), Young-Pak Lee (4)	(1) Institute of Molecular Physics, Poznan, Poland; (2) A. Mickiewicz University, Department of Physics, Poznan, Poland; (3) Institute of Metal Physics, Kiev, Ukraine; (4) Hanyang University, Department of Physics, Seoul, South Korea	TRANSPORT AND MAGNETIC PROPERTIES OF Co ₂ CrAl HEUSLER ALLOY FILMS
P-We49	* Alina M. Deac (1), Gerrit E.W. Bauer (2), William H. Rippard (3), Steven E. Russek (3), Matthew Pufall (3), Hans T. Nembach (3)	(1) Forschungszentrum Juelich, Institut fuer Festkoerperforschung, Juelich, Germany; (2) Delft University of Technology, Kavli Institute of NanoScience, Delft, The Netherlands; (3) National Institute of Standards and Technology, Electromagnetics Division, Boulder, USA	SPIN-TRANSFER EFFECTS IN SPIN-VALVES WITH IN-PLANE REFERENCE AND OUT-OF-PLANE FREE LAYER
P-We50	* Isamu Sugai (1), Seiji Mitani (2), Koki Takanashi (1)	(1) Institute for Materials Research, Tohoku University, Sendai, Japan; (2) National Institute for Materials Science, Tsukuba, Japan	INVERSE SPIN HALL EFFECT IN Au DOPED WITH Fe AND Pt
P-We51	* Seiji Mitani (1), Tetsunori Koda (2), Koki Takanashi (2)	(1) National Institute for Materials Science, Tsukuba, Japan; (2) IMR Tohoku University, Sendai, Japan	Enhanced spin accumulation due to Coulomb blockade in double tunnel junctions
P-We52	* Masayuki Nishimura (1), Mikihiko Oogane (1), Hiroshi Naganuma (1), Nobuhito Inami (1), Shoji Ikeda (2), Hideo Ohno (2), Yasuo Ando (1)	(1) Tohoku University, Department of Applied Physics, Sendai, Japan; (2) Tohoku University, Research Institute of Electrical Communication, Sendai, Japan	SPIN TRANSFER SWITCHING IN MAGNETIC TUNNEL JUNCTIONS WITH SYNTHETIC FERRIMAGNETIC STRUCTURE OF CoFe/Ru/CoFeB
P-We53	* Frederik Fohr (1), Alexander Serga (1), Thomas Schneider (1), Jaroslav Hamrle (1), Burkard Hillebrands (1)	(1) TU Kaiserslautern, Physik, Kaiserslautern, Germany	Phase sensitive Brillouin scattering measurements with a novel magneto-optic modulator
P-We54	* PIERRICK Balestriere (1), THIBAUT Devolder (1), Vit Novak (2), JOERG Wunderlich (3), TOMAS Jungwirth (2), CLAUDE Chappert (1)	(1) Université Paris Sud, Institut d'Electronique Fondamentale, Orsay, France; (2) Institute of Physics, Praha, Czech Republic; (3) Hitachi Cambridge Laboratory, Cambridge, United Kingdom	Design and microfabrication of a (Ga,Mn)As based Field Effect Transistor for electrical manipulation of the magnetization
P-We55	* Matthias Bernien (1), Jorge Miguel (1), Claudia Weis (2), Julia Kurde (1), Bernhard Krumme (2), Marten Piantek (1), Klaus Baberschke (1), Wolfgang Kuch (1), Heiko Wende (2)	(1) Freie Universität Berlin, Institut für Experimentalphysik, Berlin, GERMANY; (2) Universität Duisburg-Essen, Experimentalphysik - AG Wende and Center for Nanointegration Duisburg-Essen (CeNIDE), Duisburg, GERMANY	Tailoring the Nature of Magnetic Coupling of Fe-Porphyrins to Ferromagnetic Substrates
P-We56	Günther Bayreuther (1), * Sebastian Ringer (1)	(1) Universität Regensburg, Institut für Experimentelle und Angewandte Physik, Regensburg, Germany	ZERO-BIAS ANOMALY AND SPIN-DEPENDENT TUNNELING IN MTJS

P-We57	Lorena Marín Mercado (1), * María Elena Gómez (1), Luis Alfredo Rodríguez González (1), Pedro Prieto Pulido (2)	(1) Universidad del Valle, Valle del Cauca, Cali, Colombia; (2) Excellence Center for Novel Materials, Valle del Cauca, Cali, Colombia	MAGNETORESISTANCE MEASUREMENTS IN FERRO – ANTIFERROMAGNETIC BILAYERS BASED ON THE CA-DOPED LANTHANUM MANGANITE SYSTEM
P-We58	* Yuriy Dedkov (1), Mikhail Fonin (2), Ulrich Rüdiger (2), Clemens Laubschat (3)	(1) Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany; (2) Fachbereich Physik, Universität Konstanz, Konstanz, Germany; (3) Institut für Festkörperphysik, Technische Universität Dresden, Dresden, Germany	Graphene/Ni(111) System: Spin- and Angle-Resolved Photoelectron Spectroscopy
P-We59	* Michael Fechner (1), Igor Maznichenko (2), Ostanin Sergey (1), Arthur Ernst (1), Jürgen Henk (1), Patrick Bruno (3), Ingrid Mertig (2)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany; (2) Institut für Physik, Martin-Luther-Universität Halle-Wittenberg, Halle, Germany; (3) European Synchrotron Radiation Facility, Grenoble Cedex, France	MAGNETOELECTRIC COUPLING IN TWO-PHASE MULTIFERROICS
P-We60	* Christian Tusche (1), Jürgen Kirschner (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, 06120 Halle, Germany	Correlated double electron capture by slow Helium ions above transition metal surfaces
P-We62	* Akinobu Yamaguchi (1), Keiichi Motoi (1), Atsufumi Hirohata (2), Hideki Miyajima (1)	(1) Keio Univeristy, Department of Physics, Yokohama, Japan; (2) University of York, Department of Electronics, York, England	ANOMALOUS HALL VOLTAGE RECTIFICATION EFFECT INDUCED BY SPIN-WAVE EXCITATION
P-We63	Amalio Fernandez-Pacheco (1), Julia Orna (2), * Luis Morellon (2), Jose M ^a De Teresa (1), Pedro Algarabel (1), Jose Angel Pardo (3), M. Ricardo Ibarra (2)	(1) Universidad de Zaragoza-CSIC, ICMA-DFMC, Zaragoza, Spain; (2) Universidad de Zaragoza, INA-DFMC, Zaragoza, Spain; (3) Universidad de Zaragoza, INA-DCTMF, Zaragoza, Spain	ANOMALOUS, PLANAR, AND ORDINARY HALL EFFECT IN EPITAXIAL Fe ₃ O ₄ THIN FILMS
P-We64	* Satoru Yoshimura (1), Genta Egawa (1), Fumiya Kato (2), Hidefumi Asano (2), Hitoshi Saito (1)	(1) Akita University, Faculty of Engineering & Resource Science, Akita, JAPAN; (2) Nagoya University, Graduate School of Engineering, Nagoya, JAPAN	NANO-SCALE MAGNETIC DOMAIN STRUCTURE OBSERVATION IN La _{0.7} Sr _{0.3} MnO ₃ POLY- AND SINGLE-CRYSTALLINE FILMS USING MAGNETIC FORCE MICROSCOPY
P-We65	S. Salemizadeh (1), * S. A. Seyyed Ebrahimi (1)	(1) University of Tehran, Center of Excellence in Magnetic Materials, School of Metallurgy and Materials, Tehran, Iran	EFFECT OF Al ₂ O ₃ UNDERLAYER ON MAGNETIC PROPERTIES AND NANOSTRUCTURE OF BaFe ₁₂ O ₁₉ THIN FILMS
P-We66	* Roman Antos (1), Martin Veis (1), Stefan Visnovsky (1)	(1) Charles University, Fac. of Math. & Phys., Prague, Czech Republic	Enhanced plane wave expansion method for modeling 2D magneto-photonic crystals using complex Fourier factorization
P-We67	* Michal Inglot (1), Vitalii Dugaev (1), Jozef Barnas (2)	(1) Rzeszow University of Technology, Department of Physics, Rzeszow, Poland; (2) Adam Mickiewicz University, Department of Physics, Poznan, Poland	MAGNETIC CORRELATIONS AND LOCALIZED STATES IN GRAPHENE
P-We69	* GREGOR Nowak (1), ANDREAS Liebig (2), Moreno Marcellini (2), Ilgiz Garifullin (3), Björgvin Hjörvarsson (2), Hartmut Zabel (1), KURT Westerholt (1)	(1) Ruhr Universität Bochum, Experimentalphysik/Festkörperphysik, Bochum, Germany; (2) Ångströmlaboratoriet University Uppsala, Department of Physics and Materials Science, Uppsala, Sweden; (3) Zavoisky Physical-Technical Institute, Kazan, Russia	Superconducting spin valves based on epitaxial [Fe/V]-thin film heterostructures

P-We70	Francesco Maccherozzi (1), Matthias Sperl (2), Giancarlo Panaccione (1), Jan Minár (3), Svitlana Polesya (3), Hubert Ebert (3), Ursula Wurstbauer (2), Giorgio Rossi (1), Georg Woltersdorf (2), Werner Wegscheider (2), * Christian Back (2)	(1) INFM-CNR, Laboratorio Nazionale TASC, Trieste, Italy; (2) Universität Regensburg, Experimentelle Physik, Regensburg, Germany; (3) Ludwig-Maximilians University Munich, Department of Chemistry, München, Germany	INDUCED FERROMAGNETIC ORDER AT ROOM TEMPERATURE IN (GA,MN)AS
P-We71	Rui Borges (1), Amélia Ankiewicz (2), Joana Martins (2), A. Saraiva (1), Evgueny Zhiteytsev (2), António Gonçalves (1), Paula Ferreira (3), * Nikolai Sobolev (2), Margarida Godinho (4)	(1) Universidade de Lisboa, CFMC, Lisbon, Portugal; (2) Universidade de Aveiro, I3N and Departamento de Física, Aveiro, Portugal; (3) Universidade de Aveiro, Departamento de Engenharia Cerâmica e do Vidro and CICECO, Aveiro, Portugal; (4) Universidade de Lisboa, Departamento de Física, Lisbon, Portugal	STRUCTURAL AND MAGNETIC PROPERTIES OF Fe-DOPED ZnO FILMS
P-We72	* Alex Jenkins (1), Chris Marrows (1), Gavin Burnell (1)	(1) University of Leeds, Physics, Leeds, United Kingdom	Understanding of the Role of Anisotropic Magnetoresistance in Superconductor/Ferromagnet Heterostructures
P-We73	* Shumaila Karamat (1), Paul lee Choon Keat (1), Augustine Tan tuck Lee (1), Rajdeep Singh Rawat (1)	(1) National Institute of Education, Nanyang Technological University,, NSSE, Singapore, Singapore	EPITAXIAL THIN FILMS OF ZnCoO: NEED OF SPINTRONICS
P-We74	* Hendrik Ohldag (1), Jose Barzola-Quiquia (2), Pablo Esquinazi (2), Daniel Spemann (2), Martin Rothermel (2), Tilman Butz (2)	(1) Stanford Synchrotron Radiation Lightsource, Menlo Park, USA; (2) Institut für Experimentalphysik II, Universität Leipzig, Leipzig, Germany	HIGH TEMPERATURE MAGNETIC ORDER IN GRAPHITE: A MAGNETORESISTANCE AND X-RAY DICHOISM STUDY
P-We75	Sayak Ghoshal (1), * P S Anil Kumar (1)	(1) Department of Physics, Indian Institute of Science, Bangalore-560012, INDIA	MAGNETIC AND MAGNETO-TRANSPORT STUDIES OF PURE AND CO DOPED ZnO FILMS
P-We76	* Atsushi Sugihara (1), Akio Fukushima (1), Kay Yakushiji (1), Hitoshi Kubota (1), Shinji Yuasa (1), Koki Takanashi (2)	(1) National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan; (2) Institute for Materials Research, Tohoku University, Sendai, Japan	LARGE PELTIER COOLING EFFECT IN CuNi/Au CPP-METALLIC JUNCTIONS
P-We77	* Hiroshi Naganuma (1), Jun Miura (2), I.-T. Bae (3), Soichiro Okamura (2), Yasuo Ando (1)	(1) Tohoku University, Applied Physics, Sendai, Japan; (2) Tokyo University of Science, Applied Physics, Tokyo, Japan; (3) State University of New York at Binghamton, S3IP Analytical and Diagnostics Laboratory, Binghamton, USA	MULTIFERROIC PROPERTIES OF COBALT SUBSTITUTED BiFeO3 POLYCRYSTALLINE FILMS
P-We78	* Katsunori Konishi (1), Takayuki Nozaki (1), Hitoshi Kubota (2), Akio Fukushima (2), Shinji Yuasa (2), Masashi Shiraishi (1), Yoshishige Suzuki (1)	(1) Osaka University, Graduate School of Engineering, Toyonaka, Osaka, Japan; (2) National Institute of Advanced Industrial Science and Technology, NanoElectronics Research Institute, Tsukuba, Japan	Current-field driven spin transistor
P-We79	* Daria Gusakova (1), Ioana Firastrau (2), Dimitri Houssameddine (3), Ursula Ebels (3), Bernard Dieny (3), Marie-Claire Cyrille (4), Bertrand Delaët (4), Liliana-Daniela Buda-Prejbeanu (3)	(1) CPMOH Laboratory, University of Bordeaux, Bordeaux, France; (2) Transilvania University, Brasov, Roumania; (3) SPINTEC Laboratory, URA2512 CEA/CNRS/UJF/INPG, Grenoble, France; (4) CEA-LETI-MINATEC, DRT/LETI/DIHS, Grenoble, France	NUMERICAL STUDY ON SPIN-POLARIZED CURRENT-DRIVEN EXCITATIONS OF A SYNTHETIC ANTIFERROMAGNETIC LAYER

P-We80	MARIUSZ CIORGA (1), * ANDREAS EINWANGER (1), URSULA WURSTBAUER (1), DIETER SCHUH (1), WERNER WEGSCHEIDER (1), DIETER WEISS (1)	(1) Universität Regensburg, Institut für Experimentelle und Angewandte Physik, Regensburg, Germany	ALL-ELECTRICAL SCHEME FOR SPIN INJECTION AND DETECTION FROM FERROMAGNETIC SEMICONDUCTOR (Ga,Mn)As INTO GaAs.
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