

P-Tu01	Ian Harward (1), * Eva Liskova (2), Radek Lopusnik (3), Stefan Visnovsky (2), Zbigniew Celinski (1)	(1) University of Colorado at Colorado Springs, Center for Magnetism and Magnetic Nanostructures, Colorado Springs, USA; (2) Faculty of Mathematics and Physics, Charles University, Institute of Physics, Prague, Czech Republic; (3) Seagate Technology, Bloomington, USA	QUADRILAYERS WITH ULTRATHIN Fe FOR MAGNETO-OPTIC SENSING OF CURRENTS
P-Tu02	* ANNA Koziol (1), KRZYSZTOF Matlak (1), MICHAL Slezak (1), TOMASZ Slezak (1), MARCIN Zajac (1), RUDOLF Ruffer (2), JOZEF Korecki (1)	(1) AGH University of Science and Technology, Faculty of Physics and Applied Computer Science, Krakow, Poland; (2) European Synchrotron Radiation Facility, 38043 Grenoble, France	GROWTH AND SPIN STRUCTURE OF ULTRATHIN Fe FILMS ON W(110)
P-Tu03	* Thibaut Berdot (1), Puja Dey (1), Ali Hallal (1), Logane Tati-Bismaths (1), Wolfgang Weber (1)	(1) Institut de Physique et de Chimie des Matériaux de Strasbourg, Département Surfaces et Interface, Strasbourg, France	SPIN-DEPENDENT REFLECTION PROPERTIES FOR SUBMONOLAYER COVERAGE OF MgO ON Fe(001)
P-Tu04	* Kenta Amemiya (1), Masako Sakamaki (2), Hitoshi Abe (3)	(1) Institute of Materials Structure Science, High Energy Accelerator Research Organization, Tsukuba, Japan; (2) Graduate School of Advanced Integration Science, Chiba University, Chiba, Japan; (3) Faculty of Science and Technology, Keio University, Yokohama, Japan	TEMPERATURE DEPENDENCE OF SURFACE AND INTERFACE MAGNETISATION OF THIN FILMS COMPARED WITH INNER LAYERS
P-Tu05	* Kaan Oguz (1), Ciaran Fowley (1), J. M. D. Coey (1)	(1) Trinity College, CRANN and School of Physics, Dublin, Ireland	CHARACTERIZATION OF CO40FE40B20/PT CANTED FREE LAYERS FOR SPIN VALVE AND MAGNETIC TUNNEL JUNCTION DEVICES
P-Tu06	* Florin Radu	Helmholtz-Zentrum Berlin für Materialien und Energie, -, Berlin, Germany	WHY DOES THE EXCHANGE BIAS FALL SHORT OF ITS EXPECTATIONS?
P-Tu07	* Daniel Lengemann (), Christoph Schmidt (), Tanja Weis (), Dieter Engel (), Arno Ehresmann ()		TIME DEPENDENT CHANGES OF THE EXCHANGE BIAS FIELD IN MnIr/CoFe BILAYERS AFTER HE-ION BOMBARDMENT
P-Tu08	* Václav Drchal (1), Olivier Bengone (2), Ilja Turek (3), Josef Kudrnovsk_ (1), Frantisek Máca (1), Josef Redinger (4)	(1) Institute of Physics AS CR, Theory of Condensed Matter, Praha, Czech Republic; (2) Institute de Physique et Chimie, Strasbourg, France; (3) Institute of Physics of Materials AS CR, Brno, Czech Republic; (4) University of Technology, Department of General Physics, Vienna, Austria	Exchange interactions and magnetic structure of Fe monolayer on fcc-Ir(001) substrate
P-Tu09	* Frank Stromberg (1), Carolin Antoniak (1), Subhankar Bedanta (1), Pavel Borisov (1), Heiko Wende (1), Werner Keune (1)	(1) Universität Duisburg-Essen, Fachbereich Physik, Duisburg, Germany	Influence on FeSi diffusion barriers on structure and exchange coupling in Fe/FeSi/Si multilayers
P-Tu10	* Dieter Lott (1), Thomas Saerbeck (2), Zhihong Lu (3), Patrick R. LeClair (3), Gary J. Mankey (3), Andreas Schreyer (1), Frank Klose (2)	(1) GKSS research center, WPN, Geesthacht, Germany; (2) ANSTO, Bragg Institute, Menai, Australia; (3) University of Alabama, MINT Center, Tuscaloosa, USA	Enhanced Magnetic Exchange Bias in Epitaxial FePt <sub>3</sub> Multilayers Induced by Local Chemical Ordering
P-Tu11	* Alexandre Bataille (1), Coriolan Tiusan (2), Yuan Lu (2), Arsen Gukasov (1)	(1) CEA, IRAMIS/LLB, Gif sur Yvette, France; (2) Université Henri Poincaré, Laboratoire de physique des matériaux, Vandoeuvre-lès-Nancy, France	TUNNEL COUPLING BETWEEN ANTIFERROMAGNETIC THIN FILMS

P-Tu12	* Carsten Tieg (1), Erika Jiménez (2), Julio Camarero (2), Jan Vogel (3), Christophe Arm (4), Gilles Gaudin (5), Eric Gautier (5), Bernard Rodmaq (5), Bernard Dieny (5), Rodolfo Miranda (2)	(1) ESRF, Grenoble, France; (2) Universidad Autónoma de Madrid, Departamento de Física de la Materia Condensada and Instituto \, Madrid, Spain; (3) Institut Néel-CNRS, Grenoble, France; (4) Laboratoire d'Etude des Matériaux par Microscopie Avancée, CEA, Grenoble, France; (5) SPINTEC (CNRS/CEA) URA, Grenoble, France	IMAGING MAGNETIZATION REVERSAL IN PERPENDICULAR EXCHANGE BIAS SYSTEMS BY SOFT X-RAY HOLOGRAPHY
P-Tu13	* Masakiyo Tsunoda (1), Hirokazu Takahashi (1), Tetsuya Nakamura (2), Chiharu Mitsumata (3), Migaku Takahashi (1)	(1) Tohoku University, Department of Electronic Engineering, Sendai, Japan; (2) JASRI/SPring-8, Sayo-cho, Japan; (3) Hitachi Metals Ltd., 3Advanced Electronics Research Labo., Kumagaya, Japan	CORRELATION BETWEEN EXCHANGE ANISOTROPY AND UNCOMPENSATED ANTIFERROMAGNETIC SPINS IN Mn-Ir/Co100-xFex BILAYERS
P-Tu14	Marcio Soares (1), * Hélio TOLENTINO (1), Maurizio De Santis (1), Mohamad Al Jawad (1), Aline Rmos (1), Yves Gauthier (1), Marek Przybylski (2), Fikret Yildiz (2)	(1) Institut Néel, MCMF, Grenoble, FRANCE; (2) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany	GROWTH, STRUCTURE AND MAGNETIC PROPERTIES OF ULTRA-THIN MnPt LAYERS ON Pt(001)
P-Tu15	Miguel Tafur (1), * V. P. Nascimento (2), W. Alayo (1), Elisa Baggio-Saitovitch (1)	(1) Centro Brasileiro de Pesquisas Físicas, Física Experimental de baixas Energias, Rio de Janeiro-RJ, Brazil; (2) Universidade Federal de Espírito Santo, CEUNES, São Mateus-ES, Brazil	EXCHANGE BIAS COUPLING ACROSS A Cu SPACER LAYER
P-Tu16	* Andrzej Maziewski (1), Marek Kisielewski (1), Piotr Mazalski (1), Maria Tekielak (1), Vitali Zablotskii (2)	(1) University of Bialystok, Department of Physics, Bialystok, Poland; (2) Universidad Pública de Navarra, Departamento de Física, Pamplona, Spain	MAGNETIZATION STATES IN MAGNETOSTATICALLY COUPLED MULTILAYERS: SHIFT OF THE REORIENTATION PHASE TRANSITION
P-Tu17	* Balaram Sahoo (1), Werner Keune (2), W. A. A. Macedo (3), Ralf Röhlsberger (1), Johannes Eisenmenger (4), Josep Nogues (5), Victor Kuncser (6), Olaf Leupold (1), Kai Liu (7), Kai Schlage (1), Rudolf Ruffer (8), Ivan K. Schuller (9)	(1) Deutsches Elektronen-Synchrotron,, 22607 Hamburg,, Germany; (2) University of Duisburg-Essen,, 47048 Duisburg,, Germany; (3) Centro de Desenvolvimento da Tecnologia Nuclear, 31270-901 Belo Horizonte, MG,, Brazil; (4) Universität Ulm,, 89081 Ulm,, Germany; (5) ICREA and Institut Català de Nanotecnologia,, E-08193 Bellaterra,, Spain; (6) National Institute of Materials Physics,, 77125 Bucharest-Magurele,, Romania; (7) University of California Davis,, Davis, CA 95616,, USA; (8) European Synchrotron Radiation Facility,, 38043 Grenoble Cedex ,, France; (9) University of California, San Diego, La Jolla, CA 92093 ,, USA	REMANENT Fe-SPIN STRUCTURE OF EXCHANGE BIASED Fe/Fe <sub>2</sub>
P-Tu18	* Feng Wu (1), Shigemi Mizukami (1), Daisuke Watanabe (1), Hiroshi Naganuma Naganuma (2), Mikihiro Oogane (2), Yasuo Ando (2), Terunobu Miyazaki (1)	(1) WPI, AIMR, Sendai, Japan; (2) Graduate School of Engineering, Department of Applied Physics, Sendai, Japan	GROWTH AND MAGNETIC PROPERTIES OF Mn <sub>2.5</sub> Ga FILMS FOR SPINTRONIC DEVICES APPLICATIONS
P-Tu19	* Hugo Jurca (1), Fouad Maroun (1), Philippe Allongue (1)	(1) Ecole Polytechnique, Laboratoire de Physique de la Matière Condensée, Palaiseau, France	The role of the structure and the atomic environment in the magnetic behaviour of electrodeposited Fe <sub>x</sub> Ni <sub>1-x</sub> /Au(111) ultra thin layers.

P-Tu20	* Isamu Yamamoto (1), Takeshi Nakagawa (1), Yasumasa Takagi (1), Toshihiko Yokoyama (1)	(1) Institute of Molecular Science, Materials Molecular Science, Okazaki, Japan	Spin reorientation transitions of Ni/Pd(111) films induced by Fe deposition
P-Tu21	Hia Li (1), Marek Przybylski (2), Fikret Yildiz (2), Xiaodong Ma (2), * Yizheng Wu (3)	(1) Fudan University, Physics department, Shanghai, China; (2) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany; (3) Fudan Univeristy, Physics department, Shanghai, China	OSCILLATORY MAGNETIC ANISOTROPY ORIGINATING FROM QUANTUM WELL STATES IN Fe FILMS
P-Tu22	* Andrea Taroni (1), Moreno Marcelini (1), Martin Pärnaste (1), Björgvin Hjörvarsson (1)	(1) Uppsala University, Department of Physics, Uppsala, Sweden	Competing length scales in Fe/V superlattices
P-Tu23	* Eisaku Kaji (1), Taichi Mizuno (1), Agus Subagyo (1), Hirotaka Hosoi (1), Kazuhisa Sueoka (1)	(1) Hokkaido University, Graduate School of Information Science and Technology, Sapporo, Japan	MAGNETIC DOMAIN STRUCTURES IN MAGNETITE FILM SURFACES STUDIED BY SPIN-SEM
P-Tu24	* Miriana Vadala (1), Thomas Hase (2), David Eastwood (1), Brian Tanner (1), Del Atkinson (1), Z C Wen (3), H X Wei (3), X F Han (3)	(1) Univrsity of Durham, Physics, Durham, United Kingdom; (2) University of Warwick, Physics, Warwick, United Kingdom; (3) Beijing National Laboratory for Condensed Matter Physics, Physics, Beijing, China	Influence of Layer Thickness on Interlayer Coupling in Spintronic Multilayers
P-Tu25	* Cheng-Tien Chiang (1), Aimo Winkelmann (1), Ping Yu (1), Jürgen Kirschner (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle(Saale), Germany	Study of magnetic dichroism in two-photon photoemission from ultrathin cobalt films
P-Tu26	Stéphanie Girod (1), Matthias Gottwald (1), Stéphane Andrieu (1), Jeffrey McCord (2), Eric Fullerton (3), Jean Marc Beaujour (4), B.J Krishnatrya (4), Andrew Kent ( ), * Stéphane Mangin (1)	(1) Nancy Université, Institut Jean Lamour, Nancy, France; (2) IFW, Institute for Metallic Materials, Dresden, Germany; (3) UCSD, CMRR, San Diego, USA; (4) New York University, Department of Physics, New York, USA	STRONG PERPENDICULAR MAGNETIC ANISOTROPY IN Ni/Co(111) SINGLE CRYSTAL SUPERLATTICES
P-Tu27	Manoel J. M. Pires (1), Alexandre A. C. Cotta (1), Maximiliano D. Martins (1), * Waldemar A. A. Macedo (1)	(1) CDTN, Lab. of Applied Physics, Belo Horizonte, Brazil	MAGNETIC AND STRUCTURAL PROPERTIES OF ULTRATHIN Co FILMS ON MgO(100)
P-Tu28	* Lech Tomasz Baczewski (1), Alexei Petrouchik (1), Andrzej Wawro (1), Roman Pu&#378;niak (1), Anna &#346;lawska-Waniewska (1), Masako Sakamaki (2), Kenta Amemiya (3)	(1) Institute of Physics, Polish Academy of Sciences, Magnetism, Warszawa, Poland; (2) Chiba University, Advanced Integration Science, Chiba, Japan; (3) High Energy Accelerator Research Organization, Institute of Materials Structure Science, Tsukuba, Japan	SPIN CONFIGURATION IN MBE-GROWN MAGNETIC Gd/Cr MULTILAYERS
P-Tu29	* Stéphane Mangin (1), Jeffrey McCord (2), Yves Henry (3), Francois Montaigne (1), Thomas hauet (1), Eric Fullerton (4)	(1) Nancy Université, IJL, Nancy, France; (2) IFW, Institute for Metallic Materials,, Dresen, Germany; (3) Université Strasbourg, IPCMS, Strasbourg, France; (4) UCSD, CMRR, San Diego, USA	CHIRALITY REVERSAL FOR PLANAR INTERFACE DOMAIN WALLS IN EXCHANGE-SPRING HARD/SOFT MAGNETIC BILAYERS
P-Tu30	* Florian Michael Römer (1), Christoph Hassel (1), Igor Barsukov (1), Jürgen Lindner (1), Horst Zähres (1), Ralf Meckenstock (1), Michael Farle (1)	(1) University of Duisburg-Essen, Fachbereich Physik and Center for Nanointegration (CeNIDE), Duisburg, Germany	THE DISPERSION RELATION AND DAMPING BEHAVIOUR OF FE/INAS(001) THIN FILMS
P-Tu31	Miguel Angel Niño (1), Julio Camarero (2), Radu Abrudan (3), Keiki Fukumoto (3), Tefvik Onur Montes (1), Andrea Locatelli (1), Wolfgang Kuch (3), * Juan José de Miguel (2), Rodolfo Miranda (2)	(1) Elettra-Sincrotrone Trieste, Trieste, Italy; (2) Univ. Autónoma de Madrid, Física de la Materia Condensada, Madrid, Spain; (3) Freie Universität, Institut für Experimentalphysik, Berlin, Germany	MAGNETIC BEHAVIOR OF METASTABLE fcc FeCu ALLOY THIN FILMS GROWN WITH THE AID OF A SURFACTANT Pb LAYER

P-Tu32	Takehisa Konishi (1), Takashi Fujikawa (1), Shougo Kouzai (2), Hitoshi Abe (2), Tomasz Baczewski (3), Andrzej Wawro (3), A Petrouchik (3), Zbyszek Kurant (4), Andrzej Maziewski (4), Ryohei Sumii (5), Kenta Amemiya (5), * Masako Sakamaki (1)	(1) Chiba University, Chiba, Japan; (2) Keio University, Yokohama, Japan; (3) Institute of Physics PAS, Warsaw, Poland; (4) University of Biya&#322;ystok, Biya&#322;ystok, Poland; (5) IMSS, High Energy Accelerator Research Organization, Tsukuba, Japan	Magnetization depth profile in ultrathin Au/Co/Mo and Au/Co/Au trilayers
P-Tu33	* Md. Ariful Islam Nahid (1), Mikihiro oogane (1), Hiroshi Naganuma (1), Yasuo Ando (1)	(1) Tohoku University, Applied Physics, Sendai, Japan	STRUCTURAL, MAGNETIC AND ELECTRICAL PROPERTIES OF Co <sub>2</sub> MnSi/MgO/n-Si TUNNEL JUNCTIONS
P-Tu34	* Bernhard Krumme (1), Claudia Weis (1), Heike C. Herper (1), Frank Stromberg (1), Anne Warland (1), Carolin Antoniak (1), Peter Entel (1), Werner Keune (1), Heiko Wende (1)	(1) Universität Duisburg-Essen, Fachbereich Physik, Duisburg, Germany	Temperature- and thickness-dependent study of ultrathin Fe <sub>3</sub> Si films on GaAs(001)
P-Tu35	* Hans-Joachim Elmers (1), Elena Arbelo (1), Christian Herbort (1), Gerhard Jakob (1), Martin Jourdan (1), Michael Kallmayer (1), Peter Klaer (1), Horst Schneider (1)	(1) Universität Mainz, Institut für Physik, Mainz, Germany	TAILORING THE BAND STRUCTURE OF EPITAXIAL HEUSLER ALLOY FILMS
P-Tu36	* Thibaut Berdot (1), Logane Tati-Bismaths (1), Loic Joly (1), Abdelkader Bourzami (1), Puja Dey (1), Fabrice Scheurer (1), Wolfgang Weber (1)	(1) Institut de Physique et de Chimie des Matériaux de Strasbourg, Département Surfaces et Interfaces, Strasbourg, France	180 DEGREE ELECTRON-SPIN PRECESSION IN ELECTRON REFLECTION EXPERIMENTS ON Fe FILMS ON Ag(001)
P-Tu37	Seung-Seok Ha (1), Sukmook Lee (1), * Chun-Yeol You (1), Yoichi Shiota (2), Takuto Maruyama (2), Takayuki Nozaki (2), Yoshishige Suzuki (2)	(1) Inha University, Physics, Incheon, Korea; (2) Osaka University, Materials Engineering Science, Osaka, Japan	VOLTAGE INDUCED VARIATION OF MAGNETIC ANISOTROPY IN ULTRATHIN Fe <sub>80</sub> Co <sub>20</sub> LAYERS
P-Tu38	* Shrawan Kumar Mishra (1), Florin Radu (1), Hermann Dürr (1), Wolfgang Eberhardt (1)	(1) Helmholtz-Zentrum Berlin für Materialien und Energie, Experimental (BESSY II), Berlin, Germany	Evolution of Induced Positive Exchange Bias in Ni <sub>81</sub> Fe <sub>19</sub> /Ir <sub>20</sub> Mn <sub>80</sub> Bilayer
P-Tu39	Miriam Stampe (1), * Paul Stoll (1), Tobias Homberg (1), Wolfgang Kuch (1)	(1) Freie Universität, Institut für Experimentalphysik, Berlin, Germany	THICKNESS AND COMPOSITION DEPENDENCE OF THE ANTIFERROMAGNETIC ORDERING TEMPERATURE IN Ni/FeMn BILAYERS
P-Tu40	* Catherine DUFOUR (1), Karine Dumesnil (1), Mike Fitzsimmons (2), Jian Dou (3), Michael Pechan (3)	(1) Institut Jean lamour, Université nancy 1, Vandoeuvre, France; (2) Los Alamos National Laboratory, Los Alamos, USA; (3) 3Department of Physics, Miami University, Oxford, USA	MECHANISM OF EXCHANGE BIAS IN DyFe <sub>2</sub> /YFe <sub>2</sub> EXCHANGE COUPLED SUPERLATTICES
P-Tu41	* Joost Demeter (1), Annelore Schrauwen (1), Anke Teichert (2), Roland Steitz (2), Kristiaan Temst (1), André Vantomme (1)	(1) K.U.Leuven, Instituut voor Kern- en Stralingsfysica and INPAC, Leuven, Belgium; (2) Helmholtz Zentrum für Materialien und Energie, Berlin, Germany	Exchange bias induced by oxygen implantation in epitaxial Co layers
P-Tu42	M Gloanec (1), S Rioual (1), B Lescop (1), * R Zuberek (2), R Szymczak (2), P Aleshkevych (2), B Rouvellou (1)	(1) Laboratoire de Magnetisme de Bretagne CNRS - FRE 3117, Université de Bretagne Occidentale, Brest, France; (2) Institute of Physics of the Polish Academy of Sciences, Warsaw, Poland	Temperature Dependence of Exchange-Biased FeNi/FeMn Bilayers
P-Tu43	* George Mathon (1), Andrey Umerski (2)	(1) City University, Mathematics, London, United Kingdom; (2) Open University, Mathematics, Milton Keynes, United Kingdom	INTERLAYER COUPLING IN Co/Cu/Co(001) REVISITED
P-Tu44	* YEYU FANG (1), CHAOLIN ZHA (1), STEFANO BONETTI (1), JOHAN ÅKERMAN (1)	(1) Royal Institute of Technology, Department of Microelectronics and Applied Physics, Stockholm, Sweden	FORC Studies of Exchange Biased NiFe In L10(111)FePt-Based Spin Valves

P-Tu45	* Subrojati Bosu (1), Yuya Sakuraba (1), Kesami Saito (1), Seiji Mitani (1), Koki Takanashi (1)	(1) Institute for Materials Research, Tohoku University, Sendai, Japan	INTERLAYER EXCHANGE COUPLING IN HALF-METALLIC FULL HEUSLER ALLOY BASED EPITAXIAL TRILAYERS
P-Tu46	Erika Jiménez (1), * Julio Camarero (2), Jordi Sort (3), Josep Nogués (4), Nikolai Mikuszeit (5), Axel Hoffmann (6), José Miguel García-Martín (7), Bernard Dieny (8), Rodolfo Miranda (2)	(1) Universidad Autónoma de Madrid, Física de la Materia Condensada, Madrid, Spain; (2) Universidad Autónoma de Madrid and IMDEA Nanociencia, Madrid, Spain; (3) ICREA and UAB, Bellaterra, Spain; (4) ICREA and CIN2, Bellaterra, Spain; (5) Universität Hamburg, Institut für Angewandte Physik, Hamburg, Germany; (6) Argonne National Laboratory, Materials Science Division and CNM, Argonne, USA; (7) Instituto de Microelectrónica de Madrid IMM-CSIC, Tres Cantos, Spain; (8) SPINTEC (CNRS/CEA), Grenoble, France	EMERGENCE OF NON-COLLINEAR ANISOTROPIES FROM INTERFACIAL MAGNETIC FRUSTRATION IN EXCHANGE BIAS SYSTEMS
P-Tu47	Frank Stromberg (1), * Werner Keune (1), Victor Kuncser (2), Kurt Westerholt (3)	(1) Universität Duisburg-Essen, Fachbereich Physik, Duisburg, Germany; (2) National Institute of Materials Physics, Bucharest-Magurele, Romania; (3) Ruhr-Universität Bochum, 3Institut für Experimentalphysik, Bochum, Germany	Correlation between exchange-bias field and magnetic defects in the antiferromagnetic FeSn <sub>2</sub> layer of Fe/FeSn <sub>2</sub>
P-Tu48	* Chaolin Zha (1), Johan Åkerman (1)	(1) Royal Institute of Technology, Department of Microelectronics and Applied Physics, Kista, Sweden	EXCHANGE BIAS IN L10 (111) FEPT-BASED ALL-FERROMAGNETIC SPIN VALVES
P-Tu49	* Oleg O. Brovko (1), Pavel I. Ignatiev (1), Valeri S. Stepanyuk (1), Patrick Bruno (2)	(1) Max-Planck-Institut für Mikrostrukturphysik, Theory, Halle, Germany; (2) European Synchrotron Radiation Facility, Grenoble Cedex, France	Quantum Confinement as a Tool for Tailoring the Exchange Interaction: an Ab Initio Study
P-Tu50	* Bekir AKTAS (1), Mustafa ERKOVAN (2), Ramazan TOPKAYA (3), Mustafa ÖZDEMİR (4), Osman ÖZTÜRK (5)	(1) Gebze Institute of Technology, Physics, Kocaeli, Turkey; (2) Gebze Institute of Technology, Physics, Kocaeli, Turkey; (3) Gebze Institute of Technology, Physics, Kocaeli, Turkey; (4) Gebze Institute of Technology, Physics, Kocaeli, Turkey; (5) Gebze Institute of Technology, Physics, Kocaeli, Turkey	FMR Investigations on Exchange Coupled Py/Cr/Py trilayer films
P-Tu51	* Dorota Wilgocka-Slezak (1), Michał Rams (2), Tomasz Slezak (3), Józef Korecki (3)	(1) Institute of Catalysis and Surface Chemistry, PAS, Cracow, Poland; (2) Jagiellonian University, M. Smoluchowski Institute of Physics, Cracow, Poland; (3) AGH University of Science and Technology, Department of Solid State Physics, Cracow, Poland	ARTIFICIAL STABILIZATION OF NON-COLLINEAR MAGNETIC ORDER IN EPITAXIAL Fe-Au MULTILAYERS
P-Tu52	Lluís Balcells (1), * Benjamin Martínez (1), Oscar Iglesias (2), Jose María García-Martín (3), Alfonso Cebollada (3), Antonio García-Martín (3), Gaspar Armelles (3), Borja Sepulveda (4), Yuri Alaverdyan (5)	(1) ICMAB-CSIC, Magnetic Materials, Bellaterra, Spain; (2) Universitat de Barcelona, Departament de Física Fonamental and Institut de Nanociència i Nanotecnologia, Barcelona, Spain; (3) IMM (CNM-CSIC), Materiales magnéticos, Tres Cantos, Spain; (4) CIN2-ICN/CSIC, Bellaterra, Spain; (5) University of Cambridge, Cavendish laboratory, Cambridge, UK	Exchange bias in a nanostructured network of Co nanodots

P-Tu53	* Sergey Grigoriev (1), Yurii Chetverikov (1), Dieter Lott (2), Andreas Schreyer (2)	(1) Petersburg Nuclear Physics Institute, Condensed Matter Department, St-Petersburg, Russia; (2) GKSS Forschungszentrum, Geesthacht, Germany	FIELD-INDUCED CHIRALITY OF THE SPIRAL SPIN STRUCTURE IN Dy/Y MULTILAYER SYSTEMS
P-Tu54	* Marek Przybylski (1), Fikret Yildiz (1), Jürgen Kirschner (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany	DIRECT EVIDENCE OF NON-ORTHOGONAL MAGNETIZATION IN Fe <sub>0.5</sub> Co <sub>0.5</sub> /Rh/Fe MULTILAYERS OF ALTERNATING OUT-OF-PLANE AND IN-PLANE ANISOTROPY
P-Tu55	* Gleb Kakazei (1), Nuno Santos (2), Carlos Quiros (3), Maria Velez (3), Jose Ignacio Martin (3), Jose Maria Alameda (3), Yuri Pogorelov (1), Maria Carmo (2), Nikolai Sobolev (2), Joao Bessa Sousa (1)	(1) Universidade do Porto, IFIMUP-IN, Departamento de Física, Porto, Portugal; (2) Universidade de Aveiro, I3N and Departamento de Física, Porto, Portugal; (3) Universidad de Oviedo, Departamento de Física, Oviedo, Spain	Ferromagnetic resonance in amorphous Co <sub>0.75</sub> Si <sub>0.25</sub> /Si multilayers
P-Tu56	* Daisuke Watanabe (1), Shigemi Mizukami (1), Feng Wu (1), Mikihiro Oogane (2), Hiroshi Naganuma (2), Yasuo Ando (2), Terunobu Miyazaki (1)	(1) Tohoku University, WPI Advanced Institute of Materials Research, Sendai, Japan; (2) Tohoku University, Graduate School of Engineering, Sendai, Japan	Interlayer exchange coupling in perpendicularly magnetized synthetic ferrimagnet structure using CoCrPt and CoFeB
P-Tu57	* Wolfgang Kleemann (1), Jan Rhensius (2), Subhankar Bedanta (3), Jacques Ferré (4), Paulo P. Freitas (5)	(1) Universität Duisburg-Essen, Angewandte Physik, Duisburg, Germany; (2) Universität Konstanz, Fachbereich Physik, Konstanz, Germany; (3) Princeton University, Department of Physics, Princeton, USA; (4) Université Paris-Sud, Laboratoire de Physique des Solides, Orsay, France; (5) INESC, Lisbon, Portugal	FORMATION OF 360° DOMAIN WALLS IN FERROMAGNETIC ULTRATHIN FILMS AND DIPOLARLY COUPLED MULTILAYERS
P-Tu58	Evgeny Kravtsov (1), Daniel Haskel (1), * Suzanne G.E. te Velthuis (2), J. Sam Jiang (2), Brian J. Kirby (3)	(1) Argonne National Laboratory, Advanced Photon Source, Argonne, IL, USA; (2) Argonne National Laboratory, Materials Science Division, Argonne, IL, USA; (3) NIST Center for Neutron Research, Gaithersburg, MD, USA	INHOMOGENEOUS INTRALAYER MAGNETIC STRUCTURES IN Fe/GD MULTILAYERS
P-Tu59	Moritz Trautvetter (1), * Ulf Wiedwald (1), Paul Ziemann (1)	(1) Institut für Festkörperphysik, Universität Ulm, Ulm, Germany	PREPARATION OF EPITAXIAL FeAL FILMS AND IRRADIATION EFFECTS ON THE MAGNETIC PROPERTIES
P-Tu60	* TAKESHI Kawagoe (1), MASAOKI Geshi (2)	(1) Osaka Kyoiku University, Division of Natural Science, Kashiwara, Osaka, Japan; (2) Osaka University, Organization for the promotion of Research, Toyonaka, Osaka, Japan	Spin-polarized surface states of metastable Co(001)
P-Tu61	* Attila Szilva (1), László Szunyogh (1), Gergely Zaránd (1), M. Carmen Munoz (2)	(1) Budapest University of Technology and Economics, Department of Theoretical Physics, Budapest, Hungary; (2) Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Científicas, Madrid, Spain	SURFACE-INDUCED MAGNETIC ANISOTROPY OF IMPURITIES

P-Tu62	* Bogdan Szymanski (1), Piotr Mazalski (2), Maciej Urbaniak (1), Feliks Stobiecki (1), Andrzej Maziewski (2), Stefania Pizzini (3), Francesco Maccherozzi (4), Azzedin Bendouna (4)	(1) Institute of Molecular Physics PAS, Thin Films Laboratory, Poznań, Poland; (2) Institute of Experimental Physics University of Białystok, Laboratory of Magnetism, Białystok, Poland; (3) CNRS, Laboratoire Louis Néel, Grenoble, France; (4) Elettra-Sincrotrone Trieste, Nanospectroscopy, Trieste, Italy	DOMAIN STRUCTURE IN MAGNETOSTATICALLY COUPLED (NiFe/Au/Co/Au) <sub>10</sub> MULTILAYERS OBSERVED USING COMBINED PEEM-XMCD METHOD
P-Tu63	* Daowei Wang (1), Graham Bowden (1), Roger Ward (2), Peter de Groot (1)	(1) University of Southampton, School of Physics and Astronomy, Southampton, UK; (2) Oxford University, Clarendon Laboratory, Oxford, UK	SOFT LAYER ANISOTROPY EFFECTS IN EXCHANGE SPRING MAGNETS
P-Tu64	* Piotr Mazalski (1), Marek Kisielewski (1), Andrzej Maziewski (1), Maria Tekielak (1), Jacques Ferré (2), Jerzy Jaworowicz (2), Alexandra Mougín (2), Jürgen Fassbender (3), Andreas Henschke (3)	(1) University of Białystok, Physics, Białystok, Poland; (2) Université Paris-Sud, Laboratoire de Physique des Solides, Paris, France; (3) Forschungszentrum Dresden-Rossendorf, Institute of Ion Beam Physics and Materials Research, Dresden Rossendorf, Germany	DOUBLE SPIN REORIENTATION IN Pt/Co/Pt FILMS BY Ga ION IRRADIATION
P-Tu65	* Anne Lehnert (1), Stefano Rusponi (1), Géraud Moulas (1), Markus Etzkorn (1), Peter Bencok (2), Pietro Gambardella (3), Harald Brune (1)	(1) Institute of Condensed Matter Physics, Physics, Lausanne, Switzerland; (2) European Synchrotron Radiation Facility, Grenoble, France; (3) Catalan Institute of Nanotechnology, Bellaterra, Spain	MAGNETISM OF FE AND CO THIN FILMS ON Rh(111)
P-Tu66	* ABDULLAH KOÇBAY (1), RESUL YILGIN (1), RAMAZAN TOPKAYA (1), BEKİR AKTAS (1), MIKIHİKO OOGANE (2), YASUO ANDO (2), TERUNOBU MIYAZAKI (2)	(1) GEBZE INSTITUTE OF TECHNOLOGY, PHYSICS, KOCAELI, TURKEY; (2) TOHOKU UNIVERSITY, APPLIED PHYSICS, SENDAI, JAPAN	FMR Study on Single Crystalline Co <sub>2</sub> MnAl Heusler Alloy Thin Films
P-Tu67	* Silke Schröder (1), Marta Wasniowska (2), Paolo Ferriani (1), Stefan Heinze (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (2) Max-Planck-Institute of Microstructure Physics, Halle, Germany	Topological spin frustration in the Cr monolayer on Pd(111)
P-Tu68	* JULIA MARIA Orna Esteban (1), LUIS Morellón Alquézar (1), PEDRO Algarabel Lafuente (2), JOSÉ ANGEL Pardo Gracia (3), CESAR Magén Domínguez (4), MARIA Varela (5), STEPHEN Pennycook (5), JOSE MARIA De Teresa (2), Ricardo Ibarra (1)	(1) INA, ICMA, Física de la Materia Condensada, Zaragoza, Spain; (2) ICMA (Instituto de Ciencia de Materiales de Aragón), Física de la Materia Condensada, Zaragoza, Spain; (3) INA (Instituto de Nanociencia de Aragón), Departamento de Ciencia y Tecnología de Materiales y Fluidos, Zaragoza, Spain; (4) INA, Oak Ridge National Laboratory (Oak Ridge, Tennessee, USA), Física de la Materia Condensada, Zaragoza, Spain; (5) Oak Ridge National Laboratory, Oak Ridge (Tennessee), USA	Sr <sub>2</sub> CrReO <sub>6</sub> epitaxial thin films grown by Pulsed Laser Deposition
P-Tu69	* WILLIAN Alayo (1), MIGUEL Tafur (1), VALBERTO Nascimento (2), FERNANDO Pelegrini (3), ELISA Saitovitch (1)	(1) Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, Brazil; (2) Universidade Federal do Espírito Santo, São Mateus, Brazil; (3) Universidade Federal de Goiás, Instituto de Física, Goiânia, Brazil	Co/Ru and NiFe/V/NiFe multilayers studied by x-ray magnetic circular dichroism and ferromagnetic resonance

P-Tu70	* VLADIMIR USTINOV (1), TATIANA KRINITINA (1), MIKHAIL MILYAEV (1), LAZAR ROMASHEV (1), VLADIMIR GORNAKOV (2), YURII KABANOV (2)	(1) Institute of Metal Physics, Nanospintronics, Ekaterinburg, Russia; (2) Institute of Solid State Physics RAS, Chernogolovka, Russia	VISUALIZATION OF THE LAYER-BY-LAYER MAGNETIZATION REVERSAL ACCOMPANIED BY MULTI-STEP GMR IN UNIAXIAL (210)[Fe/Cr] SUPERLATTICES
P-Tu71	* Feliks Stobiecki (1), Maciej Urbaniak (1), Bogdan Szymanski (1), Piotr Kuswik (1), Marek Schmidt (1), Jacek Aleksiejew (1), Michal Kopcewicz (2)	(1) Institute of Molecular Physics, Polish Academy of Sciences, Poznan, Poland; (2) Institute of Electronic Materials Technology, Warszawa, Poland	Magnetostatic interactions in Co-Fe/Au/Co/Au multilayers with non-collinear magnetic structure
P-Tu72	* Hervé Hurdequint (1), Natalia Sergeeva (1), Jamal Ben Youssef (2), Chantal Le Graët (2), Julie Grollier (3), Vincent Cros (3), Cyrille Deranlot (3)	(1) CNRS-Université Paris-Sud, Laboratoire de Physique des Solides, Orsay, France; (2) CNRS-Université de Bretagne -Occidentale, Laboratoire de Magnétisme de Bretagne, Brest, France; (3) Unité Mixte de Physique CNRS-Thales, Palaiseau, France	FMR and CESR in (permalloy/copper) thin films
P-Tu73	* Matthias Opel (1), Andrea Nielsen (1), Matthias Althammer (1), Deepak Venkateshvaran (1), Sebastian Goennenwein (1), Jürgen Simon (2), Werner Mader (2), Rudolf Gross (1)	(1) Bayerische Akademie der Wissenschaften, Walther-Meissner-Institut, Garching, Germany; (2) Universität Bonn, Institut für Anorganische Chemie, Bonn, Germany	All oxide ferromagnet/semiconductor epitaxial heterostructures
P-Tu74	* Elena Arbelo Jorge (1), Christian Herbort (1), Hans-Joachim Elmers (1), Peter Klaer (1), Michael Kallmayer (1), Vadim Ksenofontov (2), Claudia Felser (2), Martin Jourdan (1)	(1) Universität Mainz, Institut für Physik, Mainz, Germany; (2) Universität Mainz, Institut für Anorganische Chemie und Analytische Chemie, Mainz, Germany	SURFACE AND BULK MAGNETISM AND STRUCTURE OF HEUSLER FILMS
P-Tu75	* Norbert Martin (1), Jeffrey McCord (1), Andreas Gerber (2), Thomas Strache (3), Thomas Gemming (1), Ingolf Mönch (1), Nayel Farag (4), Rudolf Schäfer (1), Jürgen Fassbender (3), Eckhard Quandt (2), Ludwig Schultz (1)	(1) Leibniz Institute for Solid State and Materials Research Dresden, Dresden, Germany; (2) Chair for Inorganic Functional Materials, CAU Kiel, Kiel, Germany; (3) Forschungszentrum Dresden Rossendorf e. V., Dresden, Germany; (4) Institute for Materials Science and Max Bergmann Center of Biomaterials, Dresden, Germany	STRESS ENGINEERED MAGNETIC ANISOTROPY IN SOFT MAGNETIC THIN FILMS
P-Tu76	* Heike Herper (1), Anna Grnünebohm (1), Bernhard Krumme (1), Claudia Weis (1), Werner Keune (1), Heiko Wende (1), Peter Entel (1)	(1) University of Duisburg-Essen, Department of Physics, Duisburg, Germany	INFLUENCE OF THE INTERFACE STRUCTURE ON THE MAGNETIC PROPERTIES OF IRON AND IRON SILICIDE ON GALLIUM ARSENIDE SUBSTRATES
P-Tu77	* Frank Brüßing (1), Alexandra Schumann (1), Kyrill Zhernenkov (1), Maximilian Wolff (1), Boris Toperverg (1), Hartmut Zabel (1), Theis-Bröhl Katharina (2), Carsten Wiemann (3), Alexander Kaiser (3), Claus M. Schneider (3)	(1) Ruhr-University, Department of Physics, Bochum, Germany; (2) University of Applied Science, Bremerhaven, Germany; (3) Forschungszentrum Jülich GmbH, Institut für Festkörperforschung, Jülich, Germany	Domain structure in a epitaxial Fe/Cr/Co spin-valve system
P-Tu78	* Jens Herfort (1), Kazuhide Kumakura (2), Hans-Peter Schönherr (1)	(1) Paul-Drude-Institut für Festkörperelektronik, Berlin, Germany; (2) NTT Basic Research Laboratories, Atsugi-shi, Japan	Epitaxial Heusler alloy Co <sub>2</sub> FeSi films on GaAs(111)B substrates
P-Tu79	* Carlos Martinez Boubeta (1), Zorica Konstantinovic (1), Lluís Balcells (1), Alfonso Cebollada (2), Benjamín Martínez (1)	(1) ICMAB-CSIC, Bellaterra, Spain; (2) IMM-CNM-CSIC, Madrid, Spain	EPITAXIAL INTEGRATION OF La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> AND Fe FILMS BY THE USE OF A MgO SPACER

P-Tu80	Swapna Nair (1), Joana Martins (1), Jian Li (2), Vladimir Shvartsman (3), Wolfgang Kleemann (3), * Nikolai Sobolev (1), Andrei Kholkin (2)	(1) Universidade de Aveiro, Departamento de Física and I3N, Aveiro, Portugal; (2) Universidade de Aveiro, Departamento de Engenharia Cerâmica e do Vidro and CICECO, Aveiro, Portugal; (3) University of Duisburg-Essen, Department of Physics, Duisburg, Germany	ON THE MAGNETIC PROPERTIES OF NICKEL FERRITE AND PZT-NF-PZT MULTILAYERS SYNTHESIZED BY SOL-GEL SPIN COATING
P-Tu81	* Hossein Raanaei (1), Hugo Nguyen (2), Gabriella Andersson (1), Hans Lidbaum (3), Panagiotis Korelis (1), Klaus Leifer (3), Björgvin Hjörvarsson (1)	(1) Uppsala University, Department of Physics and Material Science, Uppsala, Sweden; (2) Uppsala University, Department of Engineering Science, Uppsala, Sweden; (3) Uppsala University, Institute of Electron Microscopy and Nano-Engineering, Uppsala, Sweden	Tailoring layer independent anisotropies in amorphous multilayers
P-Tu82	* Julien Cucchiara (1), Yves Henry (2), Dafiné Ravelosona (3), Daniel Lacour (1), Eric Fullerton (4), Jordan Katine (5), Stéphane Mangin (1)	(1) Institut Jean Lamour, Nancy, France; (2) Institut de Physique et Chimie des Matériaux de Strasbourg, Strasbourg, France; (3) Institut d'Electronique Fondamentale, Orsay, France; (4) Center for Magnetic Recording Research, San Diego, USA; (5) Hitachi GST, San Jose, USA	Telegraph noise due to domain wall motion driven by spin current in perpendicular magnetized nanopillars
P-Tu83	* Ahmed Kharmouche	Ferhat Abbas University,, Engineer Sciences Faculty, Sétif,, Algeria	Structural, static and dynamic magnetic studies of evaporated CoCr/Si (100) and CoCr/glass thin films.
P-Tu84	* Catherine DUFOUR (1), Mariana Ungureanu (1), Karine Dumesnil (1), Fabrice Wilhelm (2), Andrei Rogalev (2)	(1) Institut Jean Lamour, Université Henri Poincaré, Vandoeuvre, France; (2) ESRF, Grenoble, France	Direct observation of the zero-magnetization ferromagnet Sm <sub>1-x</sub> Gd <sub>x</sub> Al <sub>2</sub> in exchange coupled systems
P-Tu85	* Vladimir Petrov (1), Alexander Ustinov (1)	(1) St. Petersburg State Polytechnical University, Experimental Physics, St. Petersburg, Russian Federation	Spin polarized Auger electron spectroscopy of permalloy-Bi films interface.
P-Tu86	* Sergey Samarin (1), Oleg Artamonov (2), Antony Sergeant (1), Alexandra Suvorova (3), James Williams (1)	(1) The University of Western Australia, Physics, Crawley, Australia; (2) St. Petersburg University, Physics, St. Petersburg, Russia; (3) The University of Western Australia, Centre for Microscopy, Characterization and Analysis, Crawley, Australia	MAPPING EXCHANGE AND SPIN-ORBIT INTERACTION IN THIN FERROMAGNETIC LAYERS BY SPIN-POLARIZED TWO-ELECTRON SPECTROSCOPY
P-Tu87	* Natsumi Oka (1), Takashi Sato (2), Toshiyuki Shima (1)	(1) Tohoku Gakuin University, Faculty of Engineering, Tagajo, Japan; (2) TOYOTA CENTRAL R&D LABS., INC., Nagakute, Japan	Enhancement of coercive force for Nd-Fe-B thin films by rare earth cap layers
P-Tu88	* Hajime Ishioka (1), Mari Tahara (1), Takashi Sato (2), Hajime Kato (1), Toshiyuki Shima (1)	(1) Tohoku Gakuin University, Faculty of Engineering, Tagajo, Japan; (2) Toyota Central R&D Lab, Nagakute, Japan	Effect of Cu intermediate layer on the magnetic properties of Fe/FePt thin films