

P-Th01	* Jürgen Lindner (1), Christoph Hassel (1), Florian Michael Römer (1), Sven Stienen (1), Florian Kronast (2), Nathalie Reckers (1), Michael Farle (1), Ralf Meckenstock (1)	(1) Universität Duisburg-Essen and Center for Nanointegration (CeNIDE), Fachbereich Physik, Duisburg, Germany; (2) BESSY GmbH, Berlin, Germany	Nanostructures prepared from epitaxial thin films – Prototype systems for studying domain wall resistance
P-Th02	* Sebastian Wedekind (1), Hirofumi Oka (1), Guillemin Rodary (1), Dirk Sander (1), Jürgen Kirschner (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany	SPATIALLY RESOLVED MAGNETIC HYSTERESIS LOOPS ON SINGLE NANOSTRUCTURES
P-Th03	* Alexandra Schumann (1), Philipp Szary (1), Hartmut Zabel (1)	(1) Ruhr-Universität Bochum, Experimentalphysik IV, Bochum, Germany	GROUND STATE AND MAGNETIZATION REVERSAL OF SPIN ICE PATTERNS
P-Th04	* Matthias Menzel (1), Kirsten von Bergmann (1), André Kubetzka (1), Roland Wiesendanger (1)	(1) Institute of Applied Physics, University of Hamburg, Hamburg, Germany	Periodic LDOS modulations in bi-atomic Fe chains
P-Th05	* Carolin Antoniak (1), Marina Spasova (1), Anastasia Trunova (1), Kai Fauth (2), Michael Farle (1), Heiko Wende (1)	(1) Universität Duisburg-Essen, Fachbereich Physik, Duisburg, Germany; (2) Universität Würzburg, Experimentelle Physik IV, Würzburg, Germany	Orbital magnetism and anisotropy in FePt nanoparticles: Dependence on size and crystal symmetry
P-Th06	* Andrew Buckingham (1), Daowei Wang (1), Graham Bowden (1), Roger Ward (2), Peter de Groot (1)	(1) University of Southampton, School of Physics and Astronomy, Southampton, United Kingdom; (2) University of Oxford, Clarendon Laboratory, Oxford, United Kingdom	NANO- AND MICRO-SCALE PATTERNED ARRAYS IN LAVES PHASE INTERMETALLIC FILMS AND MULTILAYERS
P-Th07	* Stefan Heinze (1), Kirsten von Bergmann (2), Silke Schröder (1), Paolo Ferriani (1), Roland Wiesendanger (1), Gustav Bihlmayer (3)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (2) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (3) Forschungszentrum Jülich, Institut für Festkörperforschung (IFF) and Institute for Advanced Simulation (IAS), Jülich, Germany	IMAGING ATOMIC SCALE MAGNETIC STRUCTURES BY SCANNING TUNNELING MICROSCOPY DUE TO SPIN-ORBIT COUPLING
P-Th08	Wen-Chin Lin (1), Hung-Yu Chang (2), Yu-Tsen Hu (2), * Chien-Cheng Kuo (2)	(1) National Taiwan Normal University, Department of Physics, Taipei, Taiwan; (2) National Sun Yat-sen University, Department of Physics, Kaohsiung, Taiwan	Evolution of structures and magnetic properties for Fe nanostructures on Au(111) with nano-patterns
P-Th09	* Sabine Pütter (1), Nikolai Mikuszeit (1), Matthias Scholz (1), Holger Stillrich (1), Elena Y. Vedmedenko (1), Germar Hoffmann (1), Hans Peter Hoffmann (1)	(1) Universität Hamburg, Institut für Angewandte Physik, Hamburg, Germany	THE INFLUENCE OF THE REAL SHAPE ON THE MAGNETOSTATIC INTERACTION AND SHAPE ANISOTROPY IN PERIODIC ARRAYS OF PERMALLOY NANOSTRUCTURES
P-Th10	* LARA BOGART (1), DEL ATKINSON (1)	(1) Durham University, Physics, Durham, UK	DOMAIN WALL ANISOTROPIC MAGNETORESISTANCE AND PINNING BEHAVIOUR IN PLANAR NANOWIRES
P-Th11	* Alexander Thiess (1), Yuriy Mokrousov (1), Stefan Heinze (2), Stefan Blügel (1)	(1) Institut für Festkörperforschung and Institute for Advanced Simulation, Forschungszentrum Jülich, Jülich, Germany; (2) Institute of Applied Physics, University of Hamburg, Hamburg, Germany	Magnetically hindered chain formation in transition metal break junctions
P-Th12	Sebastian Hankemeier (1), Nikolai Mikuszeit (1), Holger Stillrich (1), Daniel Stickler (1), Robert Froemter (1), Sabine Pütter (1), Elena Vedmedenko (1), * Hans Peter Oepen (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany	Micromagnetic investigation of the magnetostatic interaction of Permalloy rectangles

P-Th13	* Kai Schlage (1), Sebastien Couet (2), Stephan V. Roth (1), Ulla Vainio (1), Mottakin Abul Kashem (3), Peter Müller-Buschbaum (4), Rudolf Ruffer (5), Ralf Röhlsberger (1)	(1) DESY, Hasylab, Hamburg, Germany; (2) Katholieke Universiteit Leuven, Instituut voor Kern- en Stralingsfysica (IKS), Leuven, Belgium; (3) TU München, Physik Department, Garching, Germany; (4) TU München, Physik Department, Garching, Germany; (5) ESRF, Grenoble, France	SELF-ASSEMBLED GROWTH OF A MAGNETIC ANTIDOT ARRAY - AN IN-SITU HIGH RESOLUTION STUDY
P-Th14	* Tobias Allmers (1), Markus Donath (1), Jürgen Braun (2), Jan Minár (2), Hubert Ebert ()	(1) Westfälische Wilhelms-Universität Münster, Physikalisches Institut, Münster, Germany; (2) LMU München, Chemie und Biochemie, Physikalisches Chemie, München, Germany	FACE-CENTERED-CUBIC Co/Cu(001): INFLUENCE OF FILM MORPHOLOGY ON SPIN-DEPENDENT SURFACE STATES
P-Th15	* Jean-Paul Adam (1), Stanislas Rohart (1), Jean-Pierre Jamet (1), Alexandra Mougin (1), Jacques Ferré (1), Harry Bernas (2), Giancarlo Faini (3)	(1) Laboratoire de Physique des Solides Université Paris Sud XI, 91405 Orsay, France; (2) CSNSM Université Paris Sud XI, 91405 Orsay, France; (3) Laboratoire de Photonique et Nanostructures, 91460 Marcoussis, France	MAGNETISATION REVERSAL OF SINGLE NANO-PLATELETS: BEYOND THE COHERENT REVERSAL MODEL
P-Th16	* Andrzej Wawro (1), Alexei Petrouchik (1), Lech Tomasz Baczewski (1), Zbigniew Kurant (2), Piotr Mazalski (2), Alexandr Alekseev (2), Iosiv Sveklo (2), Andrzej Maziewski (2)	(1) Polish Academy of Sciences, Institute of Physics, Warsaw, Poland; (2) University of Bialystok, Department of Physics, Bialystok, Poland	MAGNETIC DOTS WITH PERPENDICULAR ANISOTROPY INDUCED IN ULTRATHIN Co LAYER BY PATTERNED BUFFER
P-Th17	Lukas Gerhard (1), * Toyo Kazu Yamada (1), Timofey Balashov (1), Albert Takacs (1), Markus Daena (2), Arthur Ernst (2), Ingrid Mertig (3), Wulf Wulfhekel (1)	(1) Universitaet Karlsruhe (TH), Physikalisches Institut, Karlsruhe, Germany; (2) Max-Planck-Institut fuer Mikrostrukturphysik, Halle, Germany; (3) Institut fuer Physik, Martin-Luther-Universitaet Halle-Wittenberg, Halle, Germany	ELECTRIC FIELD DRIVEN FERROMAGNET-ANTIFERROMAGNET SWITCHING IN FE ISLANDS ON CU(111)
P-Th18	Toshikazu Irisawa (1), * Toyo Kazu Yamada (2), Tadashi Mizoguchi (1)	(1) Gakushuin University, Faculty of Science, Tokyo, Japan; (2) Universitaet Karlsruhe (TH), Physikalisches Institut, Karlsruhe, Germany	SPIN POLARIZATION VECTORS OF FIELD EMITTED ELECTRONS FROM APEXES OF FE-COATED W TIPS
P-Th19	* László Balogh (1), Bence Lazarovits (2), László Szunyogh (1), László Udvardi (1)	(1) Budapest University of Technology and Economics, Department of Theoretical Physics, Budapest, Hungary; (2) Hungarian Academy of Sciences, Research Institute of Solid State Physics and Optics, Budapest, Hungary	Novel Monte Carlo study of deposited magnetic nanoparticles
P-Th20	M.T. Bryan (1), S. Basu (1), P.W. Fry (2), T. Schrefl (3), M.R.J. Gibbs (1), D.A. Allwood (1), M.-Y. Im (4), * P. Fischer (4)	(1) Department of Engineering Materials, University of Sheffield, Sheffield S1 3JD, UK; (2) Nanoscience and Technology Centre, University of Sheffield, Sheffield S3 7HQ, UK; (3) St. Pölten University of Applied Sciences, St. Pölten, Austria; (4) CXRO, LBNL, Berkeley CA, USA	IMAGING OF MAGNETIC DW INJECTION PROCESSED IN PATTERNED Ni80Fe20 STRUCTURES
P-Th21	* Tomoyuki Ogawa (1), Kou Seto (1), Daiji Hasegawa (1), Haitao Yang (2), Hiroaki Kura (1), Masaaki Doi (1), Migaku Takahashi (2)	(1) Tohoku University, Dept. of Elec. Eng., Sendai, Japan; (2) Tohoku University, New Industry Creation Hatchery Center, Sendai, Japan	High Ms Shell Formation of Fe Nanoparticles Synthesized by Thermal Decomposition

P-Th22	* Toshio Miyamachi (1), Takeshi Kawagoe (2), Shin Imada (1), Masanori Tsunekawa (1), Hidenori Fujiwara (1), F. H. Chang (3), H. J. Lin (3), C. T. Chen (3), F. Kronast (4), H. Dürr (4), Wulf Wulfhekel (5), Shigemasa Suga (1)	(1) Osaka University, Graduate School of Engineering Science, Toyonaka, Osaka, Japan; (2) Osaka Kyoiku University, Division of Natural Science, Kashiwara, Oaska, Japan; (3) NSRRC, Hsinchu, Taiwan; (4) BESSY, Berlin, Germany; (5) Universität Karlsruhe (TH), Physikalisches Instiut, Karlsruhe, Germany	DRASTIC CHANGES IN THE MAGNETIC PROPERTIES OF BCC COBALT THIN FILMS BY NANOSTRUCTURING
P-Th23	* Takashi Hasegawa (1), Jun Miyahara (1), Takahiro Narisawa (1), Yuji Kondo (2), Haruki Yamane (2), Jun Ariake (2), Shunji Ishio (1)	(1) Akita University, Materials Science and Engineering, Akita, Japan; (2) Akita Research Institute of Advanced Technology, Akita, Japan	FABRICATION OF NANO DOT ARRAY BY USING FERRO-ANTIFERROMAGNETIC TRANSITION IN L10 FePtRh FILM
P-Th24	* Cesar Lazo (1), Vasile Caciuc (2), Hendrik Hölscher (3), Stefan Heinze (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (2) Institut für Festkörperforschung, Forschungszentrum Jülich, Jülich, Germany; (3) Forschungszentrum Karlsruhe, Institute for Microstructure Technology, Karlsruhe, Germany	AB INITIO SIMULATION OF MAGNETIC EXCHANGE FORCE MICROSCOPY
P-Th25	Björn Hardrat (1), * Ali Al-Zubi (2), Paolo Ferriani (1), Stefan Blügel (2), Gustav Bihlmayer (2), Stefan Heinze (1)	(1) Institute of Applied Physics, University of Hamburg, D-20355 Hamburg, Germany; (2) Institut für Festkörperforschung, Forschungszentrum Jülich, D-52425 Jülich, Germany	UNIQUE PLAYGROUND FOR NON-COLLINEAR MAGNETISM: Fe MONOLAYERS ON HEXAGONAL TRANSITION-METAL SURFACES
P-Th26	Xiao Dong Ma (1), Takeshi Nakagawa (2), Yasumasa Takagi (2), Marek Przybylski (1), * Toshihiko Yokoyama (2)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle, germany; (2) Institute for Molecular Science, Okazaki, Japan	SELF-ASSEMBLED Co NANORODS GROWN ON Cu(110)-(2x3)N STUDIED BY MOKE AND XMCD
P-Th27	* Hirofumi Oka (1), Sebastian Wedekind (1), Guillemin Rodary (1), Dirk Sander (1), Jürgen Kirschner (1)	(1) Max-Planck-Institute of Microstructure Physics, Halle, Germany	SPATIALLY MODULATED SPIN POLARIZATION IN NANOSTRUCTURES
P-Th28	Marcus Heide (1), Gustav Bihlmayer (1), * Stefan Blügel (1)	(1) Forschungszentrum Jülich, Institut für Festkörperforschung, Jülich, Germany	UNDERSTANDING UNIDIRECTIONAL HOMOCHIRAL DOMAIN WALLS IN NANOSTRUCTURES FROM FIRST-PRINCIPLES: Fe/W(110)
P-Th29	Andreas Persson (1), Lidia Gridneva (1), Miguel Angel Niño (2), Julio Camarero (3), Christian Hofer (4), Thomas Bobek (5), Andrea Locatelli (2), * Juan José de Miguel (3), Christian Teichert (4), Rodolfo Miranda (3), Dimitri Arvanitis (1)	(1) Uppsala University, Department of Physics, Uppsala, Sweden; (2) Elettra-Sincrotrone Trieste, Trieste, Italy; (3) Univ. Autónoma de Madrid, Física de la Materia Condensada, Madrid, Spain; (4) Montanuniversität Leoben, Institut für Physik, Leoben, Austria; (5) RWTH Aachen, Institute of Semiconductor Electronics, Aachen, Germany	ON THE SPIN REORIENTATION OF Co/Au AND Co/Pt MAGNETIC NANODOT ARRAYS
P-Th30	* Kun Tao (1), Valeri Stepanyuk (1), Patrick Bruno (1)	(1) Max-Planck-Institute of Microstructure Physics, Theory, Halle, Germany	INTERACTION OF THE STM TIP WITH ADATOMS AND MOLECULES ON METAL SURFACES: AB INITIO STUDIES

P-Th31	* NIKOLAY Negulyaev (1), ALEXEY Smirnov (1), WOLFRAM Hergert (1), ALEXANDER Saletsky (2), VALERI Stepanyuk (3)	(1) Martin-Luther-Universität Halle-Wittenberg, Fachbereich Physik, Halle, Germany; (2) Moscow State University, Physics Department, Moscow, Russian Federation; (3) Max-Planck-Institut für Mikrostrukturphysik, Theory Department, Halle, Germany	Kinetic Monte Carlo study of ferromagnetism in one- and two-dimensional nanostructures stabilized by surface-state electrons
P-Th32	* Vincent Baltz (1), Bernard Rodmacq (1), Alberto Bollero (1), Jacques Ferré (2), Stefan Landis (3), Bernard Dieny (1)	(1) SPINTEC (URA CEA/CNRS 2512), Grenoble, France; (2) LPS (UMR CNRS 8502), Orsay, France; (3) CEA-LETI, Grenoble, France	BALANCING INTERLAYER DIPOLAR INTERACTIONS BY RKKY COUPLING IN MULTILEVEL MAGNETIC NANOSTRUCTURES WITH OUT-OF-PLANE ANISOTROPY
P-Th33	* Andre Kubetzka (1), Paolo Ferriani (1), David Serrate (1), Yasuo Yoshida (1), Saw-Wai Hla (2), Matthias Menzel (1), Oliver Ferdinand (1), Kirsten von Bergmann (1), Stefan Heinze (1), Roland Wiesendanger (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (2) Ohio University, Department of Physics and Astronomy, Athens, USA	IMAGING SINGLE ATOM SPINS ON A MAGNETIC TEMPLATE
P-Th34	* Hossein Hashemi (1), Guntram Fischer (1), Wolfram Hergert (1), Valery S. Stepanyuk (2)	(1) Martin-Luther-Universität Halle-Wittenberg, Institut für Physik, Halle, Germany; (2) MPI für Mikrostrukturphysik, Weinberg 2, D-06120 Halle/Saale, Germany	IRON CHAINS AT STEPS ON Cu(111) AS TEMPLATES TO FORM 3d TRANSITION METAL CHAINS
P-Th35	* Paolo Ferriani (1), Cesar Lazo (1), Stefan Heinze (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany	ORIGIN OF THE SPIN POLARIZATION OF MAGNETIC SCANNING TUNNELING MICROSCOPY TIPS
P-Th36	* ALBERTO GARCÍA-GARCÍA (1), ANDRIY VOVK (2), JOSE A. PARDO (2), PAVEL STRICHOVANEK (2), CESAR MAGÉN (2), ETIENNE SNOECK (3), PEDRO A. ALGARABEL (1), JOSE M. DE TERESA (1), LUIS MORELLON (2), RICARDO IBARRA (2)	(1) ICMA, ZARAGOZA, SPAIN; (2) UNIVERSITY OF ZARAGOZA, ZARAGOZA, SPAIN; (3) CEMES, TOULOUSE, FRANCE	STRUCTURAL, MAGNETIC AND MAGNETOTRANSPORT CHARACTERIZATION OF Fe/MgO GRANULAR MULTILAYERS
P-Th37	ZHIJUAN YANG (1), XIAOPU ZHANG (1), LIANG SUN (1), AN HU (1), * HAIFENG DING (1)	(1) Nanjing University, Nanjing National Laboratory of Microstructures and Department of Physics, Nanjing, CHINA	ULTRANARROW CO DOMAIN WALLS IN ARTIFICIALLY PATTERNED H-BAR STRUCTURES
P-Th38	* Subasa Chandra Sahoo (1), Venkataramani Narayanan (2), Shiva Prasad (1), Murtaza Bohra (1), Krishnan Ramanathan (3)	(1) IIT Bombay, Physics, Mumbai, India; (2) IIT Bombay, Met. Engg. and Matls. Sci., Mumbai, India; (3) CNRS / Université de Versailles-St-Quentin, Groupe d'étude de la matière condensée, Versailles Cedex, France	EFFECT OF ANNEALING TIME ON MAGNETIC PROPERTIES OF COBALT FERRITE THIN FILMS
P-Th39	* JULIA MARIA Orna Esteban (1), FRANCESCA Casoli (2), PEDRO Algarabel Lafuente (3), LUIS Morellón Alquézar (1), FRANCA Albertini (2), JOSE MARIA De Teresa (3), RICARDO Ibarra (1)	(1) INA, ICMA, Física de la Materia Condensada, Zaragoza, Spain; (2) IMEM/CNR, Parma, Italy; (3) ICMA (Instituto de Ciencia de Materiales de Aragón), Física de la Materia Condensada, Zaragoza, Spain	Fe ₃ O ₄ / MgO / FePt HETEROEPITAXIAL STRUCTURES FOR MAGNETIC TUNNEL JUNCTIONS
P-Th40	* Nicolae Atodiresei	Research Center Jülich, Germany, Quantum-Theory of Materials and Institute for Advanced Simulation, Jülich, Germany	Controlling the Magnetization Direction in Molecules via Their Oxidation State

P-Th42	* Masaki Mizuguchi (1), Kohei Oka (1), Koki Takanashi (1)	(1) Tohoku University, Institute for Materials Research (IMR), Sendai, Japan	FABRICATION AND SPIN RESONANT PHENOMENA OF SELF-ASSEMBLED EPITAXIAL FERROMAGNETIC NANO-DOTS
P-Th43	* Anja Banholzer (1), Ryszard Narkowicz (2), Dieter Suter (2), Ralf Meckenstock (1), Jürgen Lindner (1), Michael Farle (1)	(1) Universität Duisburg-Essen, FB Physik, Duisburg, Germany; (2) Universität Dortmund, Institut für Physik, Dortmund, Germany	Microresonator setup for ferromagnetic resonance investigation of nanomagnets
P-Th44	Arne Vansteenkiste (1), Markus Weigand (2), Michael Curcic (2), Hermann Stoll (2), Gisela Schuetz (2), * Bartel Van Waevenberge (2)	(1) Ghent University, Subatomic and Radiation Physics, Ghent, Belgium; (2) Max-Planck-Institut für Metallforschung, Schuetz, Stuttgart, Germany	Chiral symmetry breaking of magnetic vortices by sample roughness
P-Th45	* Zorica Konstantinovic (1), Jose Santiso (2), Dorothee Colson (3), Anne Forget (3), Lluís Balcells (1), Benjamin Martinez (1)	(1) ICMAB-CSIC, Barcelona, Spain; (2) SIN2, CSIS-ICN, Barcelona, Spain; (3) SPEC, DSM/IRAMIS, CEA, Saclay, France	SELF-ORGANIZED SURFACE MORPHOLOGIES IN MANGANITE THIN FILMS
P-Th46	* Phillip Olk (1), Tino Uhlig (1), Philipp Reichenbach (1), Thomas Härtling (1), Lukas M. Eng (1)	(1) TU Dresden, Institut für Angewandte Photophysik, Dresden, Germany	MAGNETIC NANOPARTICLES ON A TIP – A HANDY TOOL FOR NONLINEAR NANO-OPTICS
P-Th47	* Samuel Bowden (1), Ursula Gibson (1)	(1) Dartmouth College, Thayer School of Engineering, Hanover, NH, U.S.A	Magneto Optic Kerr Effect Characterization of Magnetic Ring Logic Devices
P-Th48	* Shunji Ishio (1), Takashi Hasegawa (1), Tao Wang (2), Wenli Pei (3)	(1) Akita University, Materials Science and Engineering, Akita, Japan; (2) Akita University, Venture Business Laboratory, Akita, Japan; (3) Northeastern University, Shenyang, China	IN-COHERENT MAGNETIZATION REVERSAL IN CoPt NANO-DOTS STUDIED BY MAGNETIC FORCE MICROSCOPY
P-Th49	* Sohrab Redjai Sani (1), Johan Persson (1), Alexandre Dmitrie (2), Mikael Kall (1), Johan Akerman (3)	(1) Royal Institute of Technology, Microelectronics and Applied Physics, Stockholm, Sweden; (2) Applied Physics, Chalmers University of Technology, Applied Physics, Goteborg, Sweden; (3) Goteborg University, Physics Department, Goteborg, Sweden	Hole colloid lithography on magnetic multilayers for spin torque applications
P-Th50	* Sven Stienen (1), Ralf Meckenstock (1), Igor Barsukov (1), Christoph Hassel (1), Oliver Posth (1), Michael Farle (1)	(1) Universität Duisburg - Essen, Fachbereich Physik, Duisburg, Germany	Thermal detection of ferromagnetic resonance on permalloy nanostructures
P-Th51	* Jean-Yves CHAULEAU (1), Raphael WEIL (1), Marco APRILI (1), Stanislas ROHART (1), Jacques MILTAT (1), André THIAVILLE (1)	(1) LPS, ORSAY, FRANCE	Study of PdNi nanostructures
P-Th52	* KUNTALA BHATTACHARJEE (1), XIAO-DONG MA (1), VINICIUS ZOLDAN (1), CHUNLEI GAO (1), MAREK PRZYBYLSKI (1), Jürgen KIRSCHNER (1)	(1) Max Planck Institute of Microstructure Physics, Experimental Department 1, Halle(Saale), Germany	LT-STIS STUDY OF Fe, Cr AND Au ATOMIC NANOWIRES ON Cu ₃ N/Cu(110) SURFACE
P-Th53	GEORGIOS CTISTIS (1), * EVANGELOS PAPAIOANNOU (2), PIOTR PATOKA (3), VASSILIOS KAPAKLIS (2), PAUL FUMAGALLI (4), MICHAEL GIERSIG (3)	(1) FOM Institute for Atomic and Molecular Physics (AMOLF), Center for Nanophotonics, Amsterdam, The Netherlands; (2) Uppsala University, Department of Physics and Materials Science, Uppsala, Sweden; (3) Helmholtz-Zentrum Berlin, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Berlin, Germany; (4) Freie Universität Berlin, Institut für Experimentalphysik, Berlin, Germany	MAGNETIC PROPERTIES OF NANOHOLE ARRAYS OF Co, Fe AND Ni THIN FILMS

P-Th54	* Achiri Tange (1), Chunlei Gao (1), Bogdan Yavorsky (2), Corina Etz (1), Sergey Ostanin (1), Arthur Ernst (1), Ingrid Metig (2), Wulf Wulfhekel (3), Jürgen Kirschner (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, Halle (Saale), Germany; (2) Martin-Luther-Universität, Fachbereich Physik, Halle (Saale), Germany; (3) Universität Karlsruhe, Physikalisches Institut, Karlsruhe, Germany	SPIN POLARIZED SCANNING TUNNELING MICROSCOPY STUDY OF Mn FILMS GROWN ON THE Fe(001)-p(1x1)O SURFACE
P-Th55	* Carlos Martinez-Boubeta (1), Lluís Balcells (1), Sergi Valencia (2), Detlef Schmitz (2), Lluís Casas (3), Felip Sandiumenge (1), Claude Monty (4), Benjamin Martínez (1)	(1) ICAMAB-CSIC, Bellaterra, Spain; (2) Helmholtz-Zentrum Berlin, Materialien und Energy, Berlin, Germany; (3) Unitat de Cristal·lografia-UAB, Geologia, Bellaterra, Spain; (4) CNRS/PROMES, Font Romeu, France	INTERFACIAL EFFECTS IN Fe(Co)/MgO CORE/SHELL CRYSTALS
P-Th56	* Tushar Das (1), Michael Cottam (1)	(1) University of Western Ontario, Physics and Astronomy, London, Ontario, Canada	Green's Function Theory of Magnetostatic Modes in Magnetic Nanotubes
P-Th57	* Carsten Godde (1), Sani Noor (1), Hasmik Harutyunyan (1), Arne Ludwig (2), Gregor Nowak (3), Stephan Hövel (4), Dirk Reuter (2), Martin Hofmann (4), Hartmut Zabel (3), Andreas D. Wieck (2), Ulrich Köhler (1)	(1) Ruhr-Universität Bochum, Institut für Experimentalphysik IV, AG 4, Bochum, Germany; (2) Ruhr-Universität Bochum, Lehrstuhl für Angewandte Festkörperphysik, Bochum, Germany; (3) Ruhr-Universität Bochum, Institut für Experimentalphysik IV, Bochum, Germany; (4) Ruhr-Universität Bochum, Lehrstuhl für Photonik und Terahertztechnologie, Bochum, Germany	SELF-ORGANIZED Fe-BASED FERROMAGNETIC NANOSTRUCTURES ON GaAs(110) AND SPIN ALIGNING LAYERS ON THE CLEAVED (110) EDGE OF SPIN LEDS
P-Th58	* ESZTER Simon (1), BALAZS Ujfalussy (1)	(1) Research Institute for Solid State Physics and Optics, Theoretical Solid State Physics, Budapest, Hungary	Exchange interaction between magnetic impurities on non-magnetic surface
P-Th59	* PAVEL Ignatiev (1), NIKOLAY Negulyaev (2), ALEXEY Smirnov (3), LARISSA Niebergall (1), ALEXANDER Saletsky (3), VALERI Stepanyuk (1)	(1) Max-Planck-Institut für Mikrostrukturphysik, Theory Department, Halle, Germany; (2) Martin-Luther-Universität Halle-Wittenberg, Fachbereich Physik, Halle, Germany; (3) Moscow State University, Faculty of Physics, Moscow, Russian Federation	Magnetic ordering of nanoclusters ensembles promoted by indirect substrate-mediated interaction
P-Th60	* Satoko Kuwano (1), Hajime Ishioka (1), Takuro Iwasa (1), Kotaro Sato (1), Christoforos Moutafis (2), Toshiyuki Shima (1), Koki Takanashi (3)	(1) Tohoku Gakuin University, Faculty of Engineering, Tagajo, Japan; (2) Cambridge, Cavendish Laboratory, Cambridge, United Kingdom; (3) Tohoku University, Institute for Materials Research, Sendai, Japan	Magnetization process of FePt and FePt/Fe thin films and their micro-fabricated dots
P-Th61	* Rene Schmidt (1), Cesar Lazo (1), Hendrik Hölscher (2), Vasile Caciuc (3), Alexander Schwarz (1), Roland Wiesendanger (1), Stefan Heinze (1)	(1) University of Hamburg, Institute of Applied Physics, Hamburg, Germany; (2) Forschungszentrum Karlsruhe, 2Institute for Microstructure Technology, Karlsruhe, Germany; (3) Forschungszentrum Jülich, 3Institut für Festkörperforschung (IFF), Jülich, Germany	Probing Fe/W(001) with magnetic exchange force microscopy
P-Th62	* TETSUNORI KODA (1), SEIJI MITANI (1), KOKI TAKANASHI (1)	(1) National Institute for Materials Science, Tsukuba, Japan	Cr nanoparticles grown on MgO for spin-dependent single electron tunneling

P-Th63	* Stéphane Mangin (1), Yves Henry (2), Julien Cucchiara (1), Dafiné Ravelosona (3), Jordan Katine (4), Eric Fullerton (5)	(1) Nancy Université, IJL, Nancy, France; (2) Université de Strasbourg, IPCMS, Strasbourg, France; (3) UPS, IEF, Orsay, France; (4) Hitachi GST, San Jose, USA; (5) UCSD, CMRR, San Diego, USA	REDUCTION OF THE CRITICAL CURRENT FOR SPIN-TRANSFER SWITCHING OF PERPENDICULARLY MAGNETIZED NANOMAGNETS
P-Th64	* Natalia Grigoryeva (1), Alexey Vorobiev (2), Sergey Grigoriev (3), Leonid Lutsev (4), Alexander Stognij (5), Nikolay Novitskii (5), Dieter Lott (6)	(1) Saint-Petersburg State University, Physical Department, Saint-Petersburg, Russian Federation; (2) ESRF, Grenoble, France; (3) Petersburg Nuclear Physics Institute, Condenser Matter, St. Petersburg, Russian Federation; (4) Research Institute «Ferrite-Domen», St. Petersburg, Russian Federation; (5) Institute of Solid-State and Semiconductor Physics, Minsk, Belarus; (6) GKSS Forschungszentrum, Geesthacht, Germany	GIGANTIC IMR EFFECT IN GRANULAR Co/SiO ₂ FILMS ON GaAs AND Si SUBSTRATES
P-Th65	Natalia Grigoryeva (1), Alexei Vorobiev (2), Sergey Grigoriev (3), * Victor Ukleev (1), Leonid Lutsev (4), Ekaterina Dyadkina (3), Kirill Zhernenkov (5), Maximilian Wolff (5), Dieter Lott (6), Alexandr Stognij (7), Nikolay Novitskii (7)	(1) St. Petersburg State University, Department of Quantum Magnetic Phenomena, Saint-Petersburg, Russia; (2) ESRF, Grenoble Cedex, France; (3) Petersburg Nuclear Physics Institute, St. Petersburg, Russia; (4) Research Institute «Ferrite-Domen», St. Petersburg, Russia; (5) ILL, Grenoble Cedex, France; (6) GKSS Forschungszentrum, Geesthacht, Germany; (7) Institute of Solid-State and Semiconductor Physics, Minsk, Belarus	POLARIZED NEUTRON REFLECTOMETRY FROM GRANULAR SiO ₂ (70at.%Co) FILMS ON THE GaAs, Si, AND Au SUBSTRATES
P-Th66	* Hyun Cheol Koo (1), Youn Ho Park (1), Kyung Ho Kim (1), Hyung-jun Kim (1), Joonyeon Chang (1), Suk-Hee Han (1)	(1) Korea Institute of Science and Technology, Center for Spintronics Research, Seoul, Republic of Korea	TEMPERATURE DEPENDENCE OF SPIN-ORBIT INTERACTION PARAMETER IN A QUANTUM WELL LAYER
P-Th67	Amélia Ankiewicz (1), Joana Martins (1), Shengqiang Zhou (2), Heidemarie Schmidt (2), Celeste Carmo (1), Marius Grundmann (3), * Nikolai Sobolev (1)	(1) Universidade de Aveiro, Departamento de Física and I3N, Aveiro, Portugal; (2) Forschungszentrum Dresden-Rossendorf, Institute of Ion Beam Physics and Materials Research, Dresden, Germany; (3) Universität Leipzig, Institut für Experimentelle Physik II, Leipzig, Germany	FERROMAGNETIC RESONANCE ON METAL NANOSRYSALS IN Fe AND Ni IMPLANTED ZnO
P-Th68	* DOUGLAS Leite (1), PAULO Lisboa-Filho (1), JOSÉ Varalda (2), JOSÉ HUMBERTO Dias da Silva (1)	(1) Advanced Materials Group - São Paulo State University, Physics, Bauru, Brazil; (2) Universidade Federal do Paraná, Física, Curitiba, Brazil	Ferromagnetic Characteristics of Nanocrystalline Ga(1-x)Mn(x)N Films Grown by Reactive Sputtering
P-Th69	* Horia Chiriac (1), Marian Grigoras (1), Nicoleta Lupu (1), Maria Urse (1)	(1) National Institute of Research and Development for Technical Physics, MDM, Iasi, Romania	THE INFLUENCE OF Mo-Cu SPACER LAYER ON MAGNETIC PROPERTIES OF NANOSTRUCTURED Ta/[NdFeB/MoCu] _x n/Ta FILMS
P-Th70	* Sergej Nepijko (1), Oleg Martyanov (2), Hans-Joachim Elmers (1), Gerd Schönhense (1)	(1) University Mainz, Institute of Physics, Mainz, Germany; (2) Siberian Branch of the Russian Academy of Sciences, BBoreskov Institute of Catalysis, Novosibirsk, Russia	COLLECTIVE PHENOMENA IN TWO-DIMENSIONAL PERIODIC ARRAYS OF Co PARTICLES STUDIED BY TEMPERATURE DEPENDENCE OF FERROMAGNETIC RESONANCE

P-Th71	* José M. De Teresa (1), Amalio Fernández-Pacheco (1), Rosa Córdoba (2), Josef V. Obona (2), Ricardo Ibarra (2)	(1) ICMA (CSIC-U. Zaragoza), Magnetism, Zaragoza, Spain; (2) INA, U. Zaragoza, Zaragoza, Spain	MAGNETIC AND TRANSPORT PROPERTIES OF COBALT NANOSTRUCTURES CREATED BY FOCUSED ELECTRON BEAM INDUCED DEPOSITION
P-Th72	Unnar Arnalds (1), * Vassilios Kapaklis (1), Radu Abrudan (2), Inna Soroka (3), Rimantas Brucas (4), Björgvin Hjörvarsson (1)	(1) Uppsala University, Department of Physics and Materials Science, Uppsala, Sweden; (2) Ruhr-Universität Bochum, Bochum, Germany; (3) Uppsala University, Department of Materials Chemistry, Uppsala, Sweden; (4) Chalmers University of Technology, Department of Applied Sciences, Göteborg, Sweden	Dipolar interaction and long-range ordering in dot-like soft magnetic islands
P-Th73	* Nicolas Moreau (1), Cyril Chacon (1), Vincent Repain (1), Philippe Ohresser (2), Fabrice Scheurer (3), Jérôme Lagoute (1), Yann Girard (1), Jean Klein (1), Sylvie Rousset (1)	(1) Laboratoire MPQ (Paris), 75, Paris, France; (2) Synchrotron SOLEIL, 91, Gif-sur-Yvette, France; (3) IPCMS, 67, Strasbourg, France	STUDY BY XMCD OF MAGNETISM OF ORGANISED CoXPt1-X ALLOYED NANOSTRUCTURES ON AU(111)
P-Th74	Philippe Depondt (1), * Jean-Claude Levy (2)	(1) Université Pierre et Marie Curie, INSP, Paris, France; (2) Université Paris 7 denis Diderot, MPQ, Paris, France	NETWORKS OF TOPOLOGICAL DEFECTS IN 2D MAGNETIC PLOTS BY LANGEVIN DYNAMICS
P-Th75	Pascal Monceau (1), * Jean-Claude Levy (2)	(1) Université Paris 7 Denis Diderot, MSC, Paris, France; (2) Université Paris 7 Denis Diderot, MPQ, Paris, France	SPIN WAVES IN SIERPINSKI CARPETS: INFLUENCE OF FRACTAL DIMENSION AND TOPOLOGY
P-Th76	* PETER METAXAS (1), PIERRE-JEAN ZERMATTEN (2), JEAN-PIERRE JAMET (3), JACQUES FERRE (3), GILLES GAUDIN (2), BERNARD RODMACQ (2), ALAIN SCHUHL (2), ROBERT STAMPS (1)	(1) UWA, SCHOOL OF PHYSICS, CRAWLEY, AUSTRALIA; (2) SPINTEC/CEA/CNRS, SPINTEC, GRENOBLE, FRANCE; (3) CNRS, LABO. DE PHYSIQUE DES SOLIDES, ORSAY, FRANCE	NON-DESTRUCTIVE DOMAIN WALL PINNING GENERATED BY THE STRAY FIELD OF A PERIODIC ARRAY OF FERROMAGNETIC NANODOTS
P-Th77	* Catherine DUFOUR (1), Karine Dumesnil (1), Nicolas Gonzalez (1), François Montaigne (1), Gladys Lengaigne (1), Danièle Pierre (1)	(1) Institut Jean Lamour, Université Henri Poincaré, Vandoeuvre, France	CHANGE OF MAGNETIC ANISOTROPY IN PATTERNED RFe ₂ MAGNETOSTRICTIVE FILMS (R=RARE EARTH).
P-Th78	* Fatih Zighem (1), Frédéric Ott (1), Thomas Maurer (1), Grégory Chaboussant (1)	(1) Laboratoire Léon Brillouin CEA/CNRS, 91191, Gif-sur-Yvette, France	DIPOLAR MAGNETIC INTERACTIONS IN ARRAYS OF FERROMAGNETIC NANOWIRES: A MICROMAGNETIC STUDY