

Poster Session 1

Monday, May 20, 2013

- P-2 Ion milling of Co/Pt multilayers using a helium ion microscope**
C. Fowley, Z. Diao, K. Ackland, J. Coey, A. Deac (HZ Dresden-Rossendorf/Trinity College Dublin)
- P-3 Reactive diffusion of Mn-Ge system for magnetic phase formation toward spintronic application**
O. Abbes, A. Portavoce, C. Girardeaux, M. Dau, A. Spiesser, V. Le Thanh (Aix-Marseille U, CNRS)
- P-4 Observations of strain change in iron rhodium epilayers by in-situ heating in a transmission electron microscope**
M. McLaren, C. Le Graët, R. Brydson, C. Marrows (U Leeds)
- P-5 Comparative study of growth, crystalline structure, thermal stability and magnetism of Ni/O-3x3/W(111) and Ni/W(111)**
K. Hsueh, W.-C. Lin (Natl.Taiwan Normal U)
- P-6 Manipulating magnetic order in rare-earth thin films**
G. Scheunert, W. Hendren, C. Ward, R. Bowman, R. Hardeman, M. Gubbins (Queen's U Belfast/Seagate Technology)
- P-7 Field-dependent evolution of magnetic stripe domain in Fe/Ni/Cu(001) system**
Y. Wu, G. Chen, J. Zhu, A. Quesada, A. N'Diaye, A. Schmid (Fudan U/NCEM, Lawrence Berkeley Natl. Laboratory)
- P-8 Hydrogen absorption induced change of magneto-optical Kerr effect in perpendicularly magnetized Pd/Co/Pd trilayers and in-plane magnetized Pd/Fe,Co,Ni bilayers**
C.-J. Tsai, W.-C. Lin (Natl. Taiwan Normal U)
- P-9 Effect of the magnetic order on the energy gap of Mn-doped ZnO thin films**
X. Wang, C. Luan, Q. Shao, A. Pruna, C. Leung, R. Lorts, J. Zapien, A. Ruotolo (City U Hong Kong/Hong Kong Polytechnic U/Hong Kong U Science and Technology)
- P-10 Whole wafer magnetostriction metrology for magnetic films and multilayers**
C. Hill, W. Hendren, R. Bowman, P. McGeehin, M. Gubbins, V. Venugopal (Queen's U Belfast/Seagate Technology)
- P-11 Correlation between Cu/Ni layer thickness and magnetic properties of Cu/Ni multilayers on GaAs(001)**
Y. Shirahata, M. Itoh, T. Taniyama (Tokyo Inst. of Technology)
- P-12 X-ray studies of different classes of magnetic exchange springs**
G. Stenning, G. Bowden, L. Shelford, S. Gregory, A. Dobrynin, T. Hesjedal, R. Ward, G. van der Laan, P. Steadman, P. Bencok, F. Maccherozzi, S. Dhesi, P. de Groot (U Southampton/Diamond Light Source/U Oxford)
- P-13 Structure and magnetic properties of Fe/Pd with in-plane magnetisation**
P. Egan, W. Hendren, R. Pollard, R. Bowman, A. Lapicki, M. Gubbins (Queen's U Belfast/Seagate Technology)
- P-14 Structural characterization of metallic multilayer nanostructures using X-ray reflectometry: A new approach for low contrast systems**
V. Ustinov, Y. Babanov, Y. Salamatov (IMP UB RAS)
- P-15 Permeability in exchange biased NiFe/FeMn thin film multilayers**
S. O'Reilly, W. Hendren, R. Stamps, R. Bowman (Queen's U Belfast/U Glasgow)
- P-16 Slow dynamics in epitaxial Fe/Cr bilayers with the interfacial frustration**
T. Hashimoto, R. Nakamura, Y. Kadoi, S. Kuboki, K. Fukida, D. Akahoshi, T. Saito (Toho U)
- P-17 Highly ordered epitaxial growth of Co₂FeSi/Fe₃Si bilayer on Si(111) by using low-temperature molecular beam epitaxy**
S. Oki, S. Yamada, M. Miyao, K. Hamaya (Kyushu U/CREST-JST)
- P-18 Direct measurement of spin polarization across C₆₀/insulating magnetic junctions**
M. Wheeler, F. Al Ma'Mari, G. Burnell, B. Hickey, O. Cespedes (U Leeds)

- P-19 Voltage control of magnetic anisotropy in CoFeB thin films with ion gel dielectrics**
D. Lam, F. Bonell, S. Miwa, Y. Shiota, N. Mizuochi, T. Shinjo, Y. Yomogida, T. Takenobu, Y. Iwasa, Y. Suzuki (Osaka U/Waseda U/U Tokyo)
- P-20 The influence of direct current on the reversal behavior in spin valve element with multi-domain configuration**
C. Kuo, C. Chao, A. Mishira, L. Horng, M. Tsunoda, M. Takahashi, J. Wu (Natl. Changhua U Education/Tohoku U)
- P-22 Depth resolved analysis of the inhomogeneous temperature dependence of the magnetization in ultrathin fcc-Fe films on Cu(001)**
H. Meyerheim, C. ViolBarbosa, E. Jal, J.-M. Tonnerre, M. Przybylski, L. Sandratskii, F. Yildiz, U. Staub, J. Kirschner (MPI Halle/Inst. Néel, CNRS/U Joseph Fourier/Paul Scherrer Inst./Martin-Luther U Halle-Wittenberg)
- P-23 Soft X-ray 3D imaging of magnetic structures**
P. Fischer, D. Rüffer, T. Schwarze, R. Huber, M.-Y. Im, A. Fontcuberta i Morral, D. Grundler (LBNL/EPFL/TU München)
- P-24 Magnetic properties of antiferromagnetically coupled CoPt stacked films with hexagonal 2D array structures**
H. Yamane, T. Hasegawa, S. Ishio (Akita Industrial Technology Center/Akita U)
- P-25 Surface states of phthalocyanine molecules on Fe(001)-whisker single crystals**
Y. Yamagishi, F. Shibahara, T. Yamada (Chiba U/Gifu U)
- P-26 Ultrathin Ni films on bcc Fe(110)-whisker single crystal**
T. Kawasaki, T. Yamada (Chiba U)
- P-27 Asymmetric field dependence of nonlocal spin valve signal under high bias current injection**
S. Hu, T. Kimura (Kyushu U)
- P-28 Magnetic domain walls in geometrically constrained half-metallic manganite nano patterns**
S. Bakaul, X. Cui, W. Hu, T. Wu, T. Kimura (Kyushu U/Nanyang TU)
- P-29 Micromagnetic configuration and associated resistivity of domain walls in half-metallic manganite**
S. Bakaul, S. Hu, W. Hu, T. Wu, T. Kimura (Kyushu U/Nanyang TU)
- P-30 Comparison of magnetic properties of iron nanowires and iron nanoparticles synthesized by simple chemical reduction**
M. Krajewski, W. Lin, H. Lin, N. Nedelko, A. Slawska-Waniewska, D. Wasik (U Warsaw/Tatung U/Inst. of Physics PAS)
- P-31 Investigations of switching field in nanodots with perpendicular magnetization**
E. Sieczkowska, A. Petrouitchik, T. Wojciechowski, P. Aleszkiewicz, L. Baczewski, Z. Kurant, A. Maziewski, A. Wawro (Inst. of Physics PAS/U Białystok)
- P-32 Structural and magnetic analysis of alternate monoatomically deposited $(\text{Fe}/\text{Ni})_x$ film on Cu(001) using photoemission electron microscopy**
M. Kotsugi, T. Ohtsuki, T. Ohkochi, T. Kojima, M. Ogiwara, M. Mizuguchi, K. Takanashi (JASRI/Tohoku U)
- P-33 Voltage-induced perpendicular magnetic anisotropy change in sputtered Ru/CoFeB/MgO structure**
Y. Shiota, F. Bonell, S. Miwa, N. Mizuochi, T. Shinjo, Y. Suzuki (Osaka U/CREST-JST)
- P-34 Field and bias dependence of high frequency magnetic noise in perpendicularly magnetized TMR nanopillars**
S. Yamashita, K. Mukherjee, K. Konishi, S. Miwa, D. Saida, N. Shimomura, C. Kamata, E. Kitagawa, J. Ito, H. Yoda, Y. Suzuki (Osaka U/Toshiba)
- P-35 Influence of Pt spacer layer on critical behavior of exchange bias field in $\text{Co}/\alpha\text{-Cr}_2\text{O}_3$ perpendicular exchange biased system**
K. Toyoki, Y. Takechi, S. Onoue, Y. Nakano, Y. Shiratsuchi, R. Nakatani (Osaka U)
- P-36 Quantitative determination of intrinsic energy barrier for current induced domain wall motion**
K.-J. Kim, R. Hiramatsu, T. Koyama, K. Ueda, Y. Yoshimura, D. Chiba, K. Kobayashi, Y. Nakatani, S. Fukami, M. Yamanouchi, H. Ohno, T. Ono (Kyoto U/PRESTO-JST/U Electro-Communications/Tohoku U)

- P-37 Direct imaging of magnetization dynamics in a pair of coupled vortex oscillators**
A. Vogel, A. Drews, M. Weigand, G. Meier (U Hamburg/Max-Planck-Inst. for Intelligent Systems)
- P-38 Vortex dynamics in triangular-shaped confining potentials**
A. Vogel, A. Niemann, C. Stenner, A. Drews, M.-Y. Im, P. Fischer, G. Meier (U Hamburg/Lawrence Berkeley Natl. Laboratory)
- P-39 Investigation of interaction between magnetic domain structure/domain wall and spin waves in $\text{Co}_2\text{Mn}_{0.6}\text{Fe}_{0.4}\text{Si}$ Heusler alloy**
T. Koyama, P. Pirro, T. Brächer, T. Sebastian, I. Ikhtiar, Y. Ohdaira, T. Kubota, H. Naganuma, M. Oogane, Y. Ando, B. Hillebrands (TU Kaiserslautern/Tohoku U)
- P-40 Controlling the competition between optically induced ultrafast spin-flip scattering and spin transport in magnetic multilayers**
P. Grychtol, E. Turgut, C. La-O-Vorakiat, J. Shaw, H. Nembach, D. Rudolf, R. Adam, T. Silva, M. Aeschlimann, C. Schneider, H. Kapteyn, M. Murnane, S. Mathias (U Colorado/NIST/PGI-6 & JARA-FIT, Research Center Jülich/U Kaiserslautern/Research Center OPTIMAS)
- P-41 Spin wave mediated vortex core reversal: STT excitation and interference effects with the gyromode**
M. Sroll, A. Gangwar, M. Noske, G. Dieterle, M. Kammerer, H. Bauer, M. Weigand, G. Woltersdorf, H. Stoll, C. Back, G. Schütz (Max Planck Inst. for Intelligent Systems/U Regensburg)
- P-42 Observation of domain wall motion in a Co/Pt wire under gate electric field**
H. Kakizaki, M. Kawaguchi, K. Yamada, K. Shimamura, S. Fukami, N. Ishiwata, D. Chiba, T. Ono (Kyoto U/NEC/Tohoku U/PRESTO-JST)
- P-43 Femtosecond superdiffusive spin transport in Ni/Ru/Fe trilayers.**
R. Adam, C. La-O-Vorakiat, M. Battiatto, D. Rudolf, J. Shaw, E. Turgut, P. Maldonado, S. Mathias, P. Grychtol, H. Nembach, T. Silva, M. Aeschlimann, H. Kapteyn, M. Murnane, C. Schneider, P. Oppeneer (PGI-6, Research Centre Julich/U Colorado/Uppsala U/NIST/U Kaiserslautern/Research Center OPTIMAS)
- P-44 Magnetic resonance in ferrimagnetic Fe_3O_4 thin films**
M. Nagata, K. Tanabe, T. Moriyama, D. Chiba, J. Ohe, M. Myoka, T. Niizeki, H. Yanagihara, E. Kita, T. Ono (Kyoto U/Toho U/U Tsukuba)
- P-45 Magnetic low frequency noise in MgO-based magnetic tunneling junctions**
T. Arakawa, T. Tanaka, K. Chida, S. Matsuo, Y. Nishihara, D. Chiba, K. Kobayashi, T. Ono, A. Fukushima, S. Yuasa (Kyoto U/Osaka U/AIST)
- P-46 The development of the non-perturbing electrical detection method of the sole vortex gyration**
S. Sugimoto, N. Hasegawa, Y. Niimi, Y. Fukuma, Y. Otani (U Tokyo/Kyushu Inst. of Technology)
- P-47 Spin waves and confinement effects**
O. Rousseau, M. Yamada, K. Miura, K. Ito, S. Ogawa, Y. Fukuma, Y. Otani (RIKEN ASI/Hitachi/Kyushu Inst. of Technology/U Tokyo)
- P-48 Sensitive detection of vortex-core dynamics under RF magnetic field using anisotropic magnetoresistance effect**
X. Cui, K. Kiseki, S. Yakata, T. Kimura (Kyushu U)
- P-49 Bottom-Pt-layer dependence of domain wall mobility in Pt/Co/Pt films**
D.-H. Kim, S.-C. Yoo, K.-W. Moon, B.-C. Min, K.-H. Shin, S.-B. Choe (Seoul Natl. U/KIST)
- P-50 Influence of in-plane magnetic fields on current-induced domain wall motion in a perpendicularly magnetized Co/Ni nanowire**
Y. Yoshimura, T. Koyama, D. Chiba, Y. Nakatani, S. Fukami, M. Yamanouchi, H. Ohno, T. Ono (Kyoto U/PRESTO-JST/U Electro-Communications/Tohoku U)
- P-51 Current induced domain wall motion in CoFeB/MgO nanowires with perpendicular magnetic anisotropy**
S. Noh, T. Schulz, T. Zacke, B. Capucine, G. Agnus, D. Ravelosona, B. Ocker, M. Kläui (U Mainz/U Paris-Sud/Singulus Technologies)
- P-52 Current-induced spinwave Doppler shift evidenced by time-resolved Kerr microscopy**
J.-Y. Chauleau, H. Bauer, H. Koerner, M. Ribow, G. Woltersdorf, C. Back (Regensburg U)

- P-53 Vortex dynamics of the vertically coupled magnetic vortices in layered magnetic nanodisks**
Y. Luo, C. Zhou, Y. Wu (Fudan U)
- P-54 Spin waves in nanostructures: The transition from periodical perturbations to magnonic crystals**
K. Lenz, R. Gallardo, R. Bali, A. Neudert, A. Banholzer, K. Wagner, M. Langer, M. Körner, J. Grebing, J. Lindner, P. Landeros, J. Fassbender (HZ Dresden-Rossendorf/UTFSM/U Duisburg-Essen)
- P-55 Manipulation of magnonic spin-wave modes in a CoFeB waveguide**
M. Mansurova, B. Lenk, S. Shishkin, M. Muenzenberg (U Goettingen)
- P-56 Switching phase diagrams of MgO-based magnetic tunnel junctions**
C. Fowley, K. Bernert, Y. Aleksandrov, H. Gan, V. Sluka, E. Kowalska, W. Feng, J. Lindner, J. Fassbender, J. McCord, S. Mangin, A. Deac (HZ Dresden-Rossendorf/U Lorraine/CNRS)
- P-57 Effect of the Gilbert damping constant on the switching current in SpinRAM**
T. Sato, K. Oomaru, Y. Nakatani (U Electro-Communications)
- P-58 Out-of-plane magnetization switching due to in-plane current pulse in Pt/Co/Pt nanowires with perpendicular magnetic anisotropy**
S.-C. Yoo, S.-G. Je, B.-C. Min, K.-H. Shin, S.-B. Choe (Seoul Natl. U/KIST)
- P-59 Effect of Cu interfacial layer thickness on graphene spin valve devices**
C. Zhang, Y. Wang, B. Wu, Y. Wu (Natl. U Singapore)
- P-60 Current-induced effective field vector in Ta | CoFeB | MgO with various layer thicknesses**
J. Kim, J. Sinha, M. Hayashi, M. Yamanouchi, S. Fukami, T. Suzuki, S. Mitani, H. Ohno (NIMS/Tohoku U/Renesas Electronics)
- P-61 Thickness dependence of current induced domain wall motion in a perpendicularly magnetized Co/Ni multi-layer**
H. Tanigawa, T. Suzuki, S. Fukami, K. Suemitsu, N. Ohshima, E. Kariyada (Renesas Electronics/Tohoku U/NEC)
- P-62 Low critical current in ultratransparent out-of-plane CoFeB/MgO - based magnetic tunnel junctions**
V. Zbarsky, M. Walter, M. Mansurova, C. Leutenantsmeyer, T. Eggebrecht, G. Eilers, P. Peretzki, H. Schuhmann, M. Seibt, K. Rott, G. Reiss, A. Thomas, R. Gareev, T. Kim, M. Muenzenberg (U Goettingen/U Bielefeld/U Regensburg/Ewha Womans U)
- P-63 Non-local Hanle effect as a means of velocimetry for diffusive spins in metallic lateral spin valves**
H. Idzuchi, Y. Fukuma, Y. Otani (U Tokyo/Kyushu Inst. of Technology)
- P-64 Barrier thickness dependence of the shot noise in the epitaxial Fe/MgO/Fe magnetic tunneling junctions**
T. Tanaka, T. Arakawa, K. Chida, Y. Nishihara, D. Chiba, T. Ono, M. Maeda, K. Kobayashi, T. Nozaki, A. Fukushima, S. Yuasa (Kyoto U/Osaka U/AIST)
- P-65 Antiferromagnetic-to-ferromagnetic phase transition induced by spin polarized current in FeRh wires**
I. Suzuki, T. Naito, M. Itoh, T. Taniyama (Tokyo Inst. of Technology)
- P-66 Electric field effect on spin diffusion in permalloy/MgO/Ag lateral spin valves with HfO₂ gate dielectrics**
S. Karube, H. Idzuchi, Y. Fukuma, Y. Otani (U Tokyo/Kyushu Inst. of Technology/RIKEN ASI)
- P-67 Magnetoresistive sensors for magnetic stray-field detection**
A. Hrabec, N. Porter, M. Bryan, D. Allwood, G. Burnell, C. Marrows (U Leeds/U Sheffield)
- P-68 Estimation of magnetic impedance of a thin Fe₁₉Ni₈₁ wire using built up micro-scale pickup coil**
A. Yamaguchi, T. Yamamoto, Y. Yoritama, T. Uchiyama, Y. Utsumi (U Hyogo/Nagoya U)
- P-69 Analyzed the energy variation of the field-driven domain wall motion in different dimensions of nanowires**
K.-C. Hu, C.-C. Chang, H.-H. Chen, C.-H. Huang, J.-C. Wu, L. Horng (Natl. Changhua U Education)
- P-70 Unidirectional magnetic quantum dots cellular automata transmission wire with asymmetrical dots**
H. Nomura, A. Morita, S. Miura, R. Nakatani (Osaka U)

- P-71 A non-volatile spintronic memory element with a continuum of resistance states**
Y. Fang, R. Dumas, T. Anh Nguyen, S. Mohseni, S. Chung, C. Miller, J. Åkerman (U Gothenburg/KTH Stockholm/U South Florida)
- P-72 Strain driven crystal structure, and magnetic order and ferroelectric order in BiFeO₃ thin films**
G. Liu, S. He, D. Zhu, L. Mei, Y. Zhu, X. Ma, P. Yang (Shandong U/Chinese Academy of Sciences/Natl. U Singapore)
- P-73 Three-dimensional mapping of the anisotropic magnetoresistance in Fe single crystal thin film**
J. Li, Z. Ding, J. Zhu, T. Ma, Y. Wu (Fudan U)
- P-74 Room-temperature grown quaternary Co-based Heusler compound films on Si(111)**
K. Tanikawa, S. Oki, S. Yamada, M. Kawano, H. Aoki, M. Miyao, K. Hamaya (Kyushu U/CREST-JST)
- P-75 Plasma-assisted crystallization of tunnel barriers: A new route for fabricating epitaxial magnetic tunnel junctions**
S. Mitani, J. Koo, H. Sukegawa (NIMS)

Poster Session 2

Wednesday, May 22, 2013

- P-76 Effect of substrate temperature on the ordered phase formation in Sm-Co thin films deposited on Cr(100) and Fe(100) underlayers**
Y. Hotta, T. Yanagawa, M. Ohtake, F. Kirino, M. Futamoto (Chuo U/Tokyo U the Arts)
- P-77 Control of perpendicular magnetic anisotropy in CoFeB-MgO films using light ion irradiation**
D. Ravelosona, I. Barisik, S. Eimer, J. Adam, N. Vernier, G. Agnus, T. Devolder, C. Torre, B. Ockert, R. Cowburn (U Paris-Sud/Siltene/Singulus/U Cambridge)
- P-78 Realizing a high magnetic moment in Gd/Cr/FeCo: The role of the rare earth**
C. Ward, G. Scheunert, W. Hendren, R. Hardeman, M. Gubbins, R. Bowman (Queen's U Belfast/Seagate Technology)
- P-79 Magnetoresistance, TEM and NMR studies of layer and interface structure of [Co/Cu]_n superlattices**
T. Krinitsina, N. Bannikova, S. Chuprakov, I. Blinov, M. Milyaev, V. Popov, V. Ustinov (IMP UB RAS)
- P-80 Investigation of electric field effect on magnetic anisotropy in Co ultra-thin films**
K. Yamada, H. Kakizakai, K. Shimamura, M. Kawaguchi, S. Fukami, N. Ishiwata, D. Chiba, T. Ono (Kyoto U/NEC/Tohoku U/PRESTO-JST)
- P-81 Magnetization damping of Fe/Ni superlattices with perpendicular magnetic anisotropy**
T. Seki, M. Ogiwara, T. Kojima, M. Mizuguchi, K. Takanashi (Tohoku U)
- P-82 Dual coupling at the La_{0.67}Sr_{0.33}MnO₃/SrRuO₃ interface**
C. Fermon, A. Solignac, R. Guerrero, P. Gogol, T. Maroutian, F. Ott, L. Largeau, P. Lecoeur, M. Pannetier-Lecoeur (SPEC-CEA Saclay/IEF-U Paris-Sud/LLB-CEA Saclay/LPN Marcoussis)
- P-83 Amorphous SmCo/CoAlZr-based thin film exchange-spring magnets**
F. Magnus, R. Moubah, U. Arnalds, V. Kapaklis, G. Andersson, T. Hase, B. Hjörvarsson (Uppsala U/U Warwick)
- P-84 Electric field effect on magnetic properties in Fe ultra-thin film**
M. Kawaguchi, K. Shimamura, S. Ono, S. Fukami, F. Matsukura, H. Ohno, D. Chiba, T. Ono (Kyoto U/Central Research Inst. of Electric Power Industry/Tohoku U)
- P-85 Perpendicular magnetic anisotropy in artificially fabricated L1₀-FeNi thin films**
M. Mizuguchi, T. Kojima, S. Ozaki, Y. Miura, M. Shirai, K. Takanashi (Tohoku U)
- P-86 Perpendicular magnetic anisotropy of ultrathin Fe(100) layers capped with MgAl₂O_x, AlO_x, MgO, and C₆₀ overlayers**
J. Koo, S. Mitani, H. Sukegawa, Z. Wen, K. Inomata, S. Entani, Y. Matsumoto, S. Sakai (U Tsukuba/NIMS/JAEA)
- P-87 A first-principles study on magnetic anisotropy of Fe/Ni multilayers**
S. Ozaki, M. Tsujikawa, Y. Miura, K. Abe, M. Shirai (Tohoku U)
- P-88 The interlayer exchange coupling of CoFe₂O₄/Cr/Fe systems**
T. Nagahama, T. Kawai, T. Shimada (Hokkaido U)
- P-89 Monoatomically-layered CoNi film with perpendicular magnetic anisotropy**
S. Fukami, H. Sato, M. Yamanouchi, S. Ikeda, H. Ohno (Tohoku U)
- P-90 Structural characterization of Co thin films prepared on GaAs single crystal substrates**
S. Minakawa, M. Ohtake, N. Inaba, M. Futamoto (Chuo U/Yamagata U)
- P-91 The effect of Ta capping layer on perpendicularly magnetized CoFeB thin film**
D. Kim, K. Rhie, K.-Y. Jung, S. Joo, Y. Jang, B. Lee, C. You, J. Cho, M. Kim (Korea U/Inha U/Ajou U)
- P-92 Orbital magnetic moment anisotropy of FePt thin films with controlled L1₀ order studied by X-ray magnetic circular dichroism**
T. Kadono, V. Virendra, K. Ishigami, G. Shibata, T. Harano, Y. Takahashi, A. Fujimori, F.-H. Chang, H.-J. Lin, D.-J. Huang, C. Chen, T. Seki, K. Takanashi (U Tokyo/Natl. Synchrotron Radiation Research Center/Tohoku U)
- P-93 (Co_{100-x}Fe_x)₈₀B₂₀ composition dependence of interface anisotropy in MgO/CoFeB/Ta stack structure**
H. Sato, R. Koizumi, S. Ikeda, M. Yamanouchi, F. Matsukura, H. Ohno (Tohoku U)

- P-94 Stable skyrmions in nanostructures induced by interfacial Dzyaloshinskii-Moriya interaction**
J. Sampaio, V. Cros, S. Rohart, A. Thiaville, A. Fert (CNRS-Thales/U Paris-Sud/U Paris-Sud, CNRS)
- P-95 Well spatial and size ordering of Fe nanoparticles by Xe gas assisted growth with a seeding layer**
C.-C. Kuo, W.-C. Lin, H.-Y. Chang (Natl. Sun Yat-sen U/Natl. Taiwan Normal U)
- P-96 Vertical shift of the element-specific magnetization curve and its correlation with the exchange bias field in the Pt(111)/Co(111)/ α -Cr₂O₃(0001) perpendicular exchange biased system**
K. Wakatsu, Y. Shiratsuchi, T. Nakamura, C. Mitsumata, Y. Takechi, T. Nishimura, R. Nakatani (Osaka U/JASRI/NIMS)
- P-97 Study of magnetization switching with exchange coupling field in geometric asymmetric disks**
J.-J. Huang, C.-H. Huang, T.-C. Wu, J.-C. Wu, L. Horng (Natl. Changhua U Education/Natl. Formosa U)
- P-98 Lorentz microscopy of narrow domain walls in synthetic antiferromagnetically coupled nanowires**
S. McVitie, R. Beacham, S. Lepatadu, M. Benitez, A. Whiteside, G. Burnell, T. Moore, D. McGrouther, R. Stamps, C. Marrows (U Glasgow/U Leeds)
- P-99 Photoelectron emission microscopy for FeNi alloys processed by high-pressure torsion**
T. Ohtsuki, M. Kotsugi, T. Ohkochi, S. Lee, Z. Horita, K. Takanashi (JASRI/Kyushu U/Tohoku U)
- P-100 Electron pair emission from a highly correlated material**
F. Schumann, L. Behnke, C.-H. Li, J. Kirschner, Y. Pavlyukh, J. Berakdar (MPI Halle/Martin-Luther U Halle-Wittenberg)
- P-101 Perpendicular exchange bias in Pt/Co/ α -Cr₂O₃ thin films having different crystalline quality of α -Cr₂O₃ layer**
T. Nishimura, Y. Takechi, K. Wakatsu, Y. Shiratsuchi, R. Nakatani (Osaka U)
- P-102 Thermal ground state ordering and dynamics of finite nanomagnetic arrays**
U. Arnalds, A. Farhan, R. Chopdekar, V. Kapaklis, A. Balan, E. Papaioannou, M. Ahlberg, F. Nolting, L. Heyderman, B. Hjörvarsson (Uppsala U/ETH Zurich/Paul Scherrer Inst.)
- P-103 Extraordinary tunneling magnetoresistance by the mediation of iron nanoparticles embedded in the MgO based magnetic tunnel junction**
Y.-C. Lee, C.-H. Lin, A. Mishra, T.-H. Wu, J.-C. Wu (Natl. Changhua U Education/Natl. Yunlin U Science and Technology)
- P-104 Hierarchy of magnetic ordering in arrays of 2D XY islands**
B. Hjörvarsson, U. Arnalds, M. Ahlberg, M. Brewer, V. Kapaklis, T. Hase (Uppsala U/U Warwick)
- P-105 The exchange-correlation hole in ultrathin magnetic layers: Size and spin-dependence**
J. Kirschner, F. Schumann, R. Feder, H. Gollisch, F. Giebels (MPI Halle/U Duisburg-Essen)
- P-106 Voltage-induced coercivity change in L₁₀-FePt / MgO stacks with various FePt thicknesses**
T. Seki, Y. Kikuchi, M. Kohda, J. Nitta, K. Takanashi (Tohoku U)
- P-107 Microstructure and magnetic properties of nanostructured Fe_{1-x}-Co_x alloys**
C. Rizal, R. Pokharel (U Victoria/Kyushu U)
- P-108 Anomalous Hall effect of Co/amorphous carbon discontinuous multilayer**
Y. Chang, H. Hsu, S. Ye, K. Chang, G. Chen, P. Jian (Natl. Pingtung U Education)
- P-109 Magnetoresistance effects in individual Ni nanotubes grown by atomic layer deposition**
D. Rüffer, T. Stückler, F. Heimbach, R. Huber, P. Berberich, E. Russo-Averchi, M. Heiss, A. Fontcuberta i Morral, D. Grundler (EPFL/TU München)
- P-110 Electrical detection of collective dynamics in three-chained magnetic vortices**
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