ISAMMA 2010 Oral session program

Plenary-1 *(invited)*	T. Rasing	Controlling Magnetism with Light
Plenary-2 *(invited)*	Peter Fischer	Magnetic Soft X-ray Microscopy
Plenary-3 *(invited)*	Hiroaki Yoda, Tatsuya Kishi, Masatoshi Yoshikawa, Toshihiko Nagase, Katsuya Nishiyama, Eiji Kitagawa, Tadaomi Daibou, Minoru Amano, Naoharu Shimomura, Shigeki Takahashi, Tadashi Kai	High Efficiency and Dependable Spin Transfer Torque Writing on Perpendicular MTJs
Plenary-4 *(invited)*	Satoshi Sugimoto	Current status and recent topics of rare-earth permanent magnets
AX-01 *(invited)*	Hajime Nakamura, Koichi Hirota, Tetsuya Ohashi, Takehisa Minowa	Nd-Fe-B sintered magnets produced by the Grain Boundary Diffusion Process
AX-02	Hossein Sepehri-Amin, Tadakatsu Ohkubo, Kazuhiro Hono	Microstructure and coercivity of Dy diffusion processed Nd-Fe-B sintered magnets
AX-03	Se Hoon Kim, Jin Woo Kim, Dae-Gun Kim, Young Do Kim	Grain growth control of high coercive (Nd, Dy)-Fe-B sintered magnets during sintering process
AX-04	Yong Ding, R Chen, D Lee, A Yan	Effects of Dy additive on microstructures and magnetic properties of rapidly solidified Nd-Fe-B strips
AX-05	Susumu Tanaka, Hiroshi Moriya, Hiroki Tsuchiura, Akimasa Sakuma, Martin Divis, Pavel Novak	First-principles calculation of crystal field parameters of Dy ions Substituted for Nd in Nd-Fe-B magnets
AX-06 *(invited)*	H CHANG, C Hsieh, J Gan, Y Cheng, M Shih, W Chang	Alloying effect on the magnetic properties of RFeB-type bulk magnets

AX-07 *(invited)*	Nora Dempsey, Frederic Dumas-Bouchiat, Mikhail Kustov, Daniel OBrien, Luiz Zanini, Georgeta Ciuta, Yuepeng Zhang, Paul Kauffmann, Orphee Cugat, Gilbert Reyne, Dominique Givord	High performance hard magnetic films for micro-system applications
AX-08	Hiroaki Kato, Takahiro Akiya, Kunihiro Koike, Daisuke Ogawa	Interface Nanostructure and Coercivity in Nd-Fe-B Magnets
AX-09	Xiaoxi Liu, Go Ishida, Akimitsu Morisako	Magnetization reversal mechanism in Nd-Fe-B ultra thin films with perpendicular magnetic anisotropy
AX-10	Hirotoshi Fukunaga, H. Nakayama, T. Kamikawatoko, T. Yanai, M. Nakano, F. Yamashita	Magnetic Properties of Nd-Fe-B/α-Fe Multi-layered Thick Film Magnets Prepared by PLD Method
AY-01 *(invited)*	Arata Tsukamoto, Tetsuya Sato, Shingo Toriumi, Akiyoshi Itoh	Laser-induced demagnetization of RE-TM GdFeCo
AY-02 *(invited)*	Yoshihiko Togawa, Takashi Kimura, Kazuya Takayanagi, Ken Harada, Akira Tonomura, Shigeo Mori, Yoshinobu Nakatani, Yoshichika Otani	Control of magnetic domain nucleation using spin current in Permalloy nanowires
AY-03	Tomohiro Koyama, Daichi Chiba, Gen Yamada, Kohei Ueda, Hironobu Tanigawa, Shunsuke Fukami, Tetsuhiro Suzuki, Norikazu Ohshima, Nobuyuki Ishiwata, Yoshinobu Nakatani, Teruo Ono	Current-induced Domain Wall Motion in Co/Ni wire under Magnetic Field
AY-04	Jong Min Lee, Sang Ho Lim	A magnetization switching phase diagram of a nanostructured magnetic thin film
AY-05	Dorin Cimpoesu, Andrei-Valentin Plamada, Alexandru Stancu	Dynamic and temperature effects on the switching of coupled magnetic particles
AY-06 *(invited)*	J.-S. Kim, O. Boulle, S Verstoep, L. Heyne, J. Rhensius, L. Heyderman, F. Kronast, R. Mattheis, C. Ulysse, G. Faini, M. Klaui	Current-induced vortex dynamics and pinning potentials probed by homodyne detection

AY-07	Minori Goto, Hiroshi Hata, Akinobu Yamaguchi, Hideki Miyajima, Yoshinobu Nakatani	Detection of vortex-core dynamics using current-induced self-bistable rectifying effect
AY-08	Florin Ciubotaru, Alexander Serga, Britta Leven, Luis Lopez Diaz, Burkard Hillebrands	Micromagnetic simulations of nonlinear spin-wave excitation in spin-valve nanocontacts
AY-09	Arne Vansteenkiste, M. Weigand, M. Curcic, H. Stoll, G. Schutz, B. Van Waeyenberge	Controlling the asymmetry of magnetic vortices by nanostructure geometry
AY-10	Andreas Vogel, Andre Drews, Markus Bolte, Guido Meier	Influence of dipolar interaction on vortex dynamics
BX-01 *(invited)*	Nobuyuki Ishiwata, Syunsuke Fukami, Tetsuhiro Suzuki, Norikazu Ohshima, Kiyokazu Nagahara, Sadahiko Miura, Tadahiko Sugibayashi	High-speed MRAM Based on Spin-Torque Domain Wall Motion
BX-02 *(invited)*	Kyung-Ho Shin, Byoung-Chul Min	A Study on MgO-based MTJs for STT-RAM
BX-03 *(invited)*	Kyung-Jin Lee, Se-Chung Oh, Seung-Young Park, Aurelien Manchon, Mairbek Chshiev, Jae-Ho Han, Hyun-Woo Lee, Jang-Eun Lee, Kyung-Tae Nam, Younghun Jo, Bernard Dieny	Bias-voltage Dependence of Perpendicular Spin-Transfer Torque in Asymmetric MgO-based Magnetic Tunnel Junctions
BX-04	Guenter Reiss, Jan Schmalhorst, Ajaz Khan, Markus Munzenberg	Temperature and bias voltage dependence the conductance in MgO based magnetic tunnel junctions
BX-05	Kotaro Mizunuma, Shoji Ikeda, Hiroyuki Yamamoto, Huadong Gan, Katsuya Miura, Jun Hayakawa, Kenchi Ito, Fumihiro Matsukura, Hideo Ohno	TMR Properties of Perpendicular MTJs with Thin Pd Based Multilayers
BX-06	Kay YAKUSHIJI, Kenji NOMA, Takeshi SARUYA, Hitoshi KUBOTA, Akio FUKUSHIMA, Taro NAGAHAMA, Shinji YUASA, Koji ANDO	High Magnetoresistance and Low Resistance-Area Product in Perpendicular-MgO-MTJs

BX-07	Yoshio Miura, Kazutaka Abe, Masafumi Shirai	The Effect of Non-collinear Magnetic Structures at the Interfaces in Co2MnSi/MgO/Co2MnSi Tunnel Junctions
BX-08	M. Oogane, S. Tsunegi, E. Ozawa, H. Naganuma, Y. Ando	Tunnel magnetoresistance effect in magnetic tunnel junctions with very thin insertion layer
BX-09	Y Takahashi, S Kasai, T Furubayashi, S Mitani, K Inomata, K Hono	High spin-filter efficiency in a Co ferrite fabricated by a thermal oxidation
BX-10	Shun Kanai, M. Endo, S. Ikeda, F. Matsukura, H. Ohno	Magnetic Anisotropy Modulation in Ta/ CoFeB/ MgO Structure by Electric Fields
BY-01 *(invited)*	Jenchuan Tung, Guang-Yu Guo	Ab initio studies of magnetism in transition metal nanowires
BY-02	Tsu-Yi Fu, Xiao-Lang Huang, Chun-Liang Lin, Sung-Lin Tsay	Electronic structure of Co reconstructed structures on Ag/Ge(111) $\sqrt{3} \times \sqrt{3}$ surfaces
BY-03	Yu Chen, Jen Shi, Sheng Tin, Po Wu	Fabrication and magnetic properties of 30 and 60 nm Co3O4 nanowires
BY-04	Akinobu Yamaguchi, Yuichi Kasatani, Hideki Miyajima	Domain wall propagation in single crystalline iron wires
BY-05 *(invited)*	Alessio Filippetti, G. Colizzi, V. Fiorentini	Interplay of strain and magnetism in manganites from First Principles
BY-06	M. Auslender, A. Shames, E. Rozenberg	Paramagnetic Spin Dynamics in Doped Lanthanum Manganites: The Theory Predictions versus Experimental Data for La-Ca System

BY-07	Fu-Kuo Chiang, F. R. Chen, C. H. Chen, M.-W. Chu	Structure and Magnetic Properties of DyMnxFe1-xO3 Perovskites
BY-08	Toshiro TANAKA, Saeki Yamamuro	Magnetic and Electric Properties of Partially Sulphure-Substituted Ferrites
BY-09	Peter Jeglic, Martin Klanjsek, Bing Lv, Arnold Guloy, Katrin Koch, Helge Rosner, Denis Arcon	Antiferromagnetic fluctuations and magnetic ordering in '111' Fe-based superconductors
BY-10	Seda Aksoy, Mehmet Acet, Lluis Manosa, Antoni Planes, Pascal Deen	Magnetic correlations in Ni-Mn based martensitic shape memory alloys
BY-11	Peter Polyakov, Anton Mazur	LINEAR LAWS OF BULK ELASTICITY IN PROPERTIES AND STRUCTURAL PHASE TRANSITIONS
CX-01 *(invited)*	Hideto Yanagihara, Yuta Toyoda, Eiji Kita	Antiferromagnetic coupling between α-Fe and spinel ferrite (001) films with and without MgO spacers
CX-02	Lavinia Nistor, Bernard Rodmacq, Stephane Auffret, Alain Schuhl, Mairbek Chshiev, Bernard Dieny	Interlayer coupling in tunnel junctions with perpendicular magnetic anisotropy
CX-03	Hirokazu Takahashi, Masakiyo Tsunoda, Migaku Takahashi	Exchange Anisotropy Strength of gamma-Mn-Ir / (Fe-Co, Co-Ni, Ni-Fe) bilayers with ultra-thin antiferromagnetic layer
CX-04	Nicholas Aley, Brendan Lafferty, James Agnew, Kevin O''Grady	Compositional Dependence of KAF in IrMn Thin Films
CX-05	Zhongyuan Liu, Lei Li, Fusheng Wen, Bo Xu, Dongli Yu, Julong He, Yongjun Tian	Effect of a nano CoO capping layer on the magnetization reversal and interlayer coupling in the Co/Pt/Co trilayer with perpendicular anisotropy

CX-06 *(invited)*	Na Lei, Philippe Lecoeur, Dafine Ravelosona, Claude Chappert	Tuning perpendicular magnetic anisotropy by applied voltage in a ferromagnetic/piezoelectric stack
CX-07	J.S. Tsay, H.C. Jhang	Structure related oxidation efficiency and magnetic properties of Fe/Pt(111)
CX-08	Chiung-Wu Su, Sheng-Chi Chang, Yen-Chu Chang	Polarization Oscillation of Surface Magneto-optic Faraday Effect on Co/ZnO and CoNx/ZnO Semiconductor Surfaces
CX-09	Vladimir Skidanov, P. Vetoshko, A. Stempkovskiy	Hysteresis Loop Design by Geometry of Garnet Film Element with Single Domain Wall
CY-01 *(invited)*	Wulf Wulfhekel	STM applications for spintronics: beyond magnetic imaging
CY-02	Takeshi Kawagoe, M. Mizuguchi, S. Mitani, K. Takanashi	STM study of FePt(001) film
CY-03	Takehiro Yamaoka, Hana Tsujikawa, Ryusuke Hirose, Hiroshi Kawamura, Akira Ito	MFM Observation of Neodymium Magnets for Electric Automobile with Ultra High Coercivity Probe in Vacuum Environment
CY-04	Jae-Woo Jeong, Jung-Hoon Park, Ji-Wan Kim, Sung-Chul Shin, Sang-Hyun Kim, Kyung-Dong Lee	Second harmonic generation scanning microscopy of Co embedded multiferroic BiFeO3 films
CY-05	Sahashi Masashi, Yoshiyuki Watanabe, Shohei Kawasaki, Kousaku Miyake	Direct Measurement for Electric Resistance of Ferromagnetic Metal-Nanocontact in Oxide Layer
CY-06 *(invited)*	Kenta Amemiya	Sub-nm Resolution Depth Profiling of the Magnetic Structure of Thin Films by the Depth-Resolved X-ray Magnetic Circular Dichroism Technique

CY-07	Masayasu TAKEDA, Dai YAMAZAKI, Kazuhiko SOYAMA, Ryuji MARUYAMA, Tatsumi HIRANO	A New Polarized Neutron Reflectometer?at Materials and Life Science Facility of J-PARC?as a Nondestructive Tool for Studies?on the Magnetic Thin Films
CY-08	Andras Kovacs, T Kasama, R Dunin-Borkowski, B Faina, T Li, A Navarro-Quazada, M Godlewski, E Guziewicz, M Lukasiewicz, T Dietl	Advanced electron microscopy studies of magnetic semiconductors
CY-09	Yoshifuru Mitsui, Keiichi Koyama, Yuki Ikehara, Kazuo Watanabe	High Field Differential Thermal Analysis for MnBi in fields up to 26 T
DX-01 *(invited)*	Kenji Nakamura, Jun Yoshida, Osamu Ichinokura	Rare-Earth Free Permanent Magnet Reluctance Generator with High Power and Efficiency
DX-02	Yu Hasegawa, Kenji Nakamura, Osamu Ichinokura	Development of a Switched Reluctance Motor made of Permendur
DX-03 *(invited)*	Toshiyuki Ueno, Hidemitsu Miura, Sotoshi Yamada	Evaluation of micro magnetostrictive actuator using Galfenol under tensile stress
DX-04	I.S. Tereshina, G.A. Politova, E.A. Tereshina, S.A. Nikitin, G.S. Burkhanov, O.D. Chistyakov	Magnetocaloric effect in (Tb,Dy,R)(Co,Fe)2 (R = Ho, Er) multicomponent compounds
DX-05 *(invited)*	Huang-Ming Lee, Guan-Hua Chen, Jong-Ching Wu	Magnetic-Field Tunable Transmittance in a Ferrofluid-Filled SiN Photonic Crystal Slab
DX-06	Mani Alagiri, C. Muthamizhchelvan, S. Ponnusamy	Synthesis and Characterization of Magnetic-Optical Fe@Au Core-shell Nanoparticles
DX-07	Zong Wang, Yu Kuo, Yuan Lai, Jenq Duh	The magnetic properties of FeHfN/NiZn ferrite bilayers

DX-08	Hsing-Cheng Chang, Ya-Hui Chen, Chi-Chih Lai, I-Nan Chang	Fabrication and application of a wireless inductance-capacitance coupling microsensor with electroplated high permeability material NiFe
DX-09	Young Rang Uhm, J Kim, J Jung, S Lee, S Lee, C Rhee, C Kim	Effect of magnetic nanoparticles of Fe in magnetic rubber
DX-10	Peter Dunne, Lorenzo Mazza, John Coey	Influence of magnet arrays on the electrodeposition of copper and cobalt.
DY-01 *(invited)*	Akira Kikitsu, Yoshiyuki Kamata, Naoko Kihara, Seiji Morita, Kaori Kimura, Haruhiko Izumi	Bit patterned media with ridge-and-groove servo pattern consisting of self-assembled dots
DY-02 *(invited)*	Yukio Nozaki, Ayumu Kato, Kenji Noda, Yasushi Kanai, Terumitsu Tanaka, Kimihide Matsuyama	[Invited] Micromagnetic Study on Microwave-Assisted Magnetic Recording in Perpendicular Medium with Intergrain Exchange Coupling
DY-03	Masayuki Takagishi, Hitoshi Iwasaki, Kenichiro Yamada, Hiromi Fuke, Susumu Hashimoto	MR ratio and RA design of CPP-MR film for 2.5-5Tb/in2 read sensors
DY-04	Koichi Mizushima, K. Kudo, T. Nagasawa, R. Sato	High-Data-Transfer-Rate Read Heads Composed of Spin-Torque Oscillatoes
DY-05 *(invited)*	Chih-Huang Lai, Hou-Cheng Hao, H J Lin, F H Chang	Directly Probing Magnetization Reversal of Exchange Coupled Composite Media by XMCD
DY-06	Yong Jiang, Dong Wang, Liying Lu, Xiaoguang Xu, Qian Zhan, Jun Miao	Enhanced Magnetic Properties of Self-Assembled FePt Nanoparticles with Ag Shell
DY-07	Li Zhang, Y. Takahashi, K. Hono	L10-Ordered FePtAgC Granular Film for Perpendicular Magnetic Recording Media

DY-08	Chiuan-Fa Huang, An-Cheng Sun, Fu-Te Yuan, Jen-Hwa Hsu	Effect of Addition of MgO and SiO2 on L11 Ordering of CoPt Thin Films
DY-09	Tiejun Zhou, Z. M. Yuan, B. Liu	Switching Field Reduction in FePt/FeRh/FeCo Exchange Spring Trilayers
DY-10	Jeroen Vries, Michael Delalande, Leon Abelmann, Marios Alexandrou, Fred Schedin, Paul Nutter, Ernie Hill, Thomas Thomson	Simulation of position sensitivity of the anomalous Hall effect on a single magnetic dot
EX-01 *(invited)*	Yuya Sakuraba, Kennosuke Izumi, Subrojati Bosu, Kesami Saito, Koki Takanashi	Large spin-asymmetric interface scattering and magnetoresistance in Co2MnSi/Ag/Co2MnSi CPP-GMR devices
EX-02 *(invited)*	Masaaki Doi, Hiroaki Suzuki, Hiroaki Endo, Tetsuya Nakamura, Toshiyuki Tanaka, Hiromi Fuke, Susumu Hashimoto, Hitoshi Iwasaki, Masashi Sahashi	Spin Torque Microwave Oscillation on Spin-valve Elements with Ferromagnetic Nano-contacts
EX-03	Michael Darques, Antoine Dussaux, Joaquin De la Torre Medina, Istvan Matefi, Julie Grollier, Alexey Khvalkovskyi, Karim Bouzehouane, Stephane Fusil, Vincent Cros, Luc Piraux, Julie Grollier	Electrodeposited spin transfer nano-oscillators
EX-04	Daichi Chiba, Kenji Tanabe, Shinya Kasai, Junichiro Ohe, Hiroshi Kohno, Stewart Barnes, Sadamichi Maekawa, Teruo Ono	Experimental investigation of spin motive forces induced by a gyration motion of a magnetic vortex core
EX-05	Kazuya Ando, Tatsuro Yoshino, Kazuya Harii, Hiroyasu Nakayama, Eiji Saitoh	Optimum condition for spin-current generation from magnetization precession in thin film systems
EX-06	Atsufumi Hirohata, Isamu Sugai, Masaki Mizuguchi, Koki Takanashi, Stuart Holmes	Demonstration of Persistent Currents in Nanorings in a Non-Uniform Field
EX-07 *(invited)*	Manuel Bibes	Giant electroresistance and electrical control of spin-polarization with ferroelectric tunnel barriers

EX-08 *(invited)*	Tatsuki Oda	Electric-Field Effect on the Magnetic Anisotropy of the Ferromagnetic/Dielectric Films: A First-Principles Study
EX-09	Anne Bernand-Mantel, Alexey Dobrynin, Laurent Cagnon, Olivier Fruchart, Dominique Givord, Alain Marty, Patrick Warin, Laurent Vila, Pierre Seneor, Karim Bouzehouane, Stephane Fusil	Toward electric field control of magnetization in a metallic nanostructure
EY-01 *(invited)*	Michio Matsushita	Giant Negative Magnetoresistance in Molecule-based Coexisting Systems of Magnetism and Conductivity
EY-02	Bo Gao, Wen Guan, Sen Yang, Xiaoping Song, Fengxia Hu, Jirong Sun, Baogen Shen	Magnetic properties and magnetocaloric effect in LaFe11.5Si1.5-xGax melt-spun ribbons
EY-03	Raghavan Gopalan, Sankar Vijay Karthik, Takao Furubayashi, Kazuhiro Hono	Modulated martensite and inverse magnetocaloric effect in Ni-Mn and Ni-Fe based Heusler alloys
EY-04	Mohamed Balli, Osmann Sari	Magnetic refrigerants with first order transition: contribution to error estimates
EY-05	Cheong Chong, Daniel Hsu, Wei Chen, Jauyn Lin, Li- Chen, Kuei Chen, Yang Chen	Anomalous Magneto-Transport in La0.7Sr0.3MnO3/n-type Si Nanotips Hetero-junctions
EY-06 *(invited)*	Hironaga Uchida, Yusuke Mizutani, Alexander Baryshev, Mitsuteru Inoue	Enhanced Faraday rotation in composite films with magnetic garnet and periodically arranged Au particles fabricated by electron beam lithography
EY-07	Guan Xiang Du, Tetsuji Mori, Shin Saito, Hiroaki Fukuda, Migaku Takahashi	Plasmon enhanced Faraday ellipticity in nanodisk array
EY-08	Huixin Bao, Sen Yang, Dezhen Xue, Chao Zhou, Xiaobing Ren	Magnetodielectric effect associated with a normal ferrimagnetic transition

EY-09	Tomoyasu Taniyama, Ryota Kakinuma, Tomoyuki Naito, Desheng Fu, Mitsuru Itoh	Electric Field Driven Switching of Magnetic Domain Structures in Fe dots/BaTiO3 Heterostructures
EY-10	M. Rashad, D. Rayan, A. Ramadan	Optical and Magnetic Properties of CuO CuFe2O4 Nanocomposites
EY-11	Matej Pregelj, Oksana Zaharko, Andrej Zorko, Zdravko Kutnjak, Marko Jagodic, Zvonko Jaglicic, Peter Jeglic, Helmuth Berger, Denis Arcon	Phase diagram of a novel multiferroic FeTe2O5Br system
FX-01 *(invited)*	Shinpei Yamamoto, Yoshinori Tamada, Teruo Ono, Mikio Takano	Solvent-dispersible L10-FePt nanoparticles: Synthesis, surface functionalization and possible applications
FX-02	Xiaojing Mo, Hui Xiang, Wei Lu, Yuanping Zheng, Guoqing Li, Hitoshi Saito, Shunji Ishio, Dongmei Jiang, Xingwen Tan, Yueqiang Lin	Continuity of perpendicular FePt film with a compositional gradient design
FX-03	Takashi Ishikawa, Koichi Yokosawa, Kunio Watanabe, Kenji Ohmori	Modified Process for High-Performance Anisotropic Sm2Fe17N3 Magnet Powder
FX-04	Muhammad Rathore, Chengbao Jiang	Magnetic Properties of 2-17 type Sm1-xTmx(CobalFe0.1 Cu0.1 Zr0.033)6.8 permanent magnets (x = 0 to 10 %)
FX-05	Peter Dunne, Muniswamy Venkatesan, Lorena Monzon, Renata Tekoruite, Yuri Gun''ko, John Coey	Magnetism of nanocrystalline Co-ferrite particles
FX-06 *(invited)*	Motoki Ohta, Yoshihito Yoshizawa	Recent Progress in High Bs Fe-based Nanocrystalline Soft Magnetic Alloys
FX-07 *(invited)*	Satoshi Takemoto, Takanobu Saito	Reduction of core loss for Fe-Si powder core

FX-08	Masato Ohnuma, Giselher Herzer, Christian Polak, Suresh Koppoju	Structural anisotropy of ferromagnetic amorphous and nanocrystalline alloys induced by stress annealing
FX-09	Suguru Sato, S Lee, Chiharu Mitsumata, Hideto Yanagihra, Eiji Kita	Micro-magnetic simulation of random magnetic anisotropy model; effects of the structural dimension
FX-10	Madina Abshinova, Serguei Matitsine, Lie Liu, Chaoran Deng, Ling Bing Kong	High Microwave Magnetic Permeability of Composites with Submicron Iron Flakes
FY-01 *(invited)*	Tiffany Santos	Tuning the Magnetic Phases of La(1-x)Sr(x)MnO3 by Digital Synthesis
FY-02 *(invited)*	Andrew Pratt, Mitsunori Kurahashi, Xia Sun, Yasushi Yamauchi	Remanent spin-polarization enhancement of hydrogen-terminated Fe3O4(001)
FY-03	Tiejun Zhou, K. M. Cher, B. C. Lim, P. W. Lwin, J. F. Hu, B. Liu	Exchange Coupling Enhancement in FePtC Nano-composite Thin Films Induced by TiO2 Doping
FY-04	Masao Kamiko, Jung-Woo Koo, Jae-Min Kim, Jae-Geun Ha	Temperature Dependence of Self-Organized FePd Nanostructures Manufactured by Sputtering
FY-05	Mani Alagiri, C. Muthamizhchelvan, S. Ponnusamy	Magnetic, structural and morphological studies of hexagonal-like Cobalt nanoplates
FY-06 *(invited)*	Emeric Folcke, Rodrigue Larde, Jean-Marie Le Breton, Jeffrey Shield, Xiangxin Rui, Marlann Patterson	A laser-assisted tomographic atom probe investigation of magnetic FePt nanoclusters
FY-07	Mitsuru Ohtake, Yoichi Sato, Junpei Higuchi, Masaaki Futamoto	Microstructure of hcp-Ni(1-100)/bcc-Cr(211) Bi-layer Film Grown on MgO(110) Substrate

FY-08	Wen-Chin Lin, C. B. Wu, P. J. Hsu, H. Y. Yen, Z. Gai, L. Gao, J. Shen, Minn-Tsong Lin	Coverage Dependence of Magnetic Domain Structure and Magnetic Anisotropy in Supported Fe Nanoparticles on Al2O3/NiAl(100)
FY-09	Alexey Ognev, M.E. Stebliy, A.S. Samardak, A. Nogaret, L.A. Chebotkevich	Magnetic behavior of nanodisks with an exchange coupling between cobalt layers
FY-10	Yury Ivanov, Konstantin Nefedev, Alexey Iljin, Evgeny Pustovalov, Ludmila Chebotkevich	Magnetization reversal of nanodots with different magnetic anisotropy and magnetostatic energy
GX-01 *(invited)*	Hyun Cheol Koo, Jae Hyun Kwon, Jonghwa Eom, Joonyeon Chang, Suk Hee Han	Gate modulation of spin precession in a semiconductor channel
GX-02 *(invited)*	Xiaofeng Jin	Unveiling the Mystery of In-plane Uniaxial Magnetic Anisotropy of Fe on GaAs(001) (Invited Talk)
GX-03 *(invited)*	CheloGi Kim, Ananadakumar sarella	Magnetic Microfluidics for Ultrasensitive Biochips
GX-04 *(invited)*	Masaki Mizuguchi, Koki Takanashi	Spin dynamics in ferromagnetic nano-scaled dots
GY-01 *(invited)*	Vasiliy Buchelnikov, Vladimir Sokolovskiy, Sergey Taskaev, Vladimir Khovaylo, Peter Entel	Monte Carlo simulations of magnetocaloric effect in Heusler Ni-Mn-X (X=Ga, In) alloys
GY-02 *(invited)*	Asaya Fujita, Shun Fujieda, Kazuaki Fukamichi	Change of electronic states and magnetic free energy in La1-zCez(Fe0.88Si0.12)13 magnetic refrigerants
GY-03 *(invited)*	Dong-Hyun Kim, Elena Rozhkova, Ilya Ulasov, Macej Lesniak, Tiana Rajh, Samuel Bader, Valentyn Novosad	Magnetic Vortices Destroy Cancer Cells

GY-04 *(invited)*	Ekaterina Zatsepina, Alexandr Tishin, Peter Egolf	Magnetocaloric materials for magnetic hypothermia