

**The 4th International Symposium on  
Advanced Magnetic Materials and Applications (ISAMMA 2017)**  
10-13 December 2017 – Phu Quoc, Vietnam

## POSTER SESSION

Venue: Ballroom Foyer

Time: 17:00-19:00, December 11, 2017 (Monday)

Chairmen: *Oscar Iglesias, Katsuji Nakagawa, Tran Quang Hung, T. N. Anh Nguyen, Anh-Tuan Le*

<b>FUNDAMENTAL ASPECTS OF MAGNETIC MATERIALS (FMM)</b>	
<b>FMM-P1</b>	<b>Canted antiferromagnetic ground state in polyanion compound <math>\text{Cu}_3(\text{OH})_2\text{F}_4</math></b> <i>Z.V. Pchelkina</i>
<b>FMM-P2</b>	<b>Effect of composition on the magnetic properties for Mn-Ga-N thin films</b> <i>K. Ohwada, M. Doi, T. Shima</i>
<b>FMM-P3</b>	<b>Magnetic properties of Mn-rich <math>\text{Pd}_{2-x}\text{Ni}_x\text{MnSn}</math> Heusler alloys</b> <i>Hitomi YAKO, Masaaki DOI, Toshiyuki SHIMA</i>
<b>FMM-P4</b>	<b>Magnetic and magnetocaloric effect of Sr-doped <math>\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3</math> compounds</b> <i>Tran Dang Thanh, Pham Duc Huyen Yen, Nguyen Thi Dung, Dinh Chi Linh, Kieu Xuan Hau, Nguyen Van Dang, Le Viet Bau, Do Hung Manh, Vu Dinh Lam, Seong-Cho Yu</i>
<b>FMM-P5</b>	<b>Magnetic properties and Magnetocaloric Effect of Sr-doped <math>\text{LaCoO}_3</math> bulk compounds</b> <i>Pham Duc Huyen Yen, Tran Dang Thanh, Kieu Xuan Hau, Seong-Cho Yu</i>
<b>FMM-P6</b>	<b>Preparation and characterization of Mn-based compound <math>\text{Mn}_2\text{B}</math> with <math>\text{CuAl}_2</math>-type and <math>\text{Mg}_2\text{Cu}</math>-type structure</b> <i>Kazuki MORIYA, Hironari OKADA</i>
<b>FMM-P7</b>	<b>Magnetic field effects on thermal stability in Mn-based alloys with <math>\text{D}_{022}</math>-type structure</b> <i>Yudai Shoji, Hironari Okada, Satoshi Awaji</i>
<b>FMM-P8</b>	<b>Enhancement of vortex pinning in <math>\text{GdBa}_2\text{Cu}_3\text{O}_{7-x}</math> thin films containing well-assembled BSO nanorods</b> <i>Jun-yung Oh, H. K. Jeon, J. M. Lee, W. N. Kang, B. Kang</i>
<b>FMM-P9</b>	<b>Magnetic and Magneto-Optical Properties of Novel Erbium(III)-Based Multifunctional Complexes</b> <i>J. Rybusinski, A. Gardias, M. Ramos Silva, M. Susano, P. Martin-Ramos, J. Martin-Gil, A. Twardowski, J. Szczytko</i>
<b>FMM-P10</b>	<b>Dependence of Exchange Interactions on the Structure of the N(1) Substituent in Benzo[e][1,2,4] Triazinyl Derivatives</b> <i>A. Gardias, S. Domagala, E. Obijalska, D. Trzybinski, J. Rybusinski, K. Wozniak, P. Kaszynski, J. Szczytko</i>
<b>FMM-P11</b>	<b>Magnetocaloric effect and critical behavior Fe-La-Zr rapidly quenched ribbons</b> <i>Kieu Xuan Hau, Nguyen Hoang Ha, Nguyen Le Thi, Nguyen Hai Yen, Pham Thi Thanh, Tran Dang Thanh, Seong-Cho Yu, Nguyen Huy Dan</i>
<b>FMM-P12</b>	<b>Physical properties of the ternary stannide <math>\text{Sm}_3\text{Co}_4\text{Sn}_{13}</math></b> <i>Chin Shan Lue, Chia-Nung Kuo, Chih-Wei Tseng</i>
<b>FMM-P13</b>	<b>Coherent lattice vibrations of optimally doped Bi-2212 revealed by femtosecond time-resolved optical spectroscopy</b> <i>C. W. Seo, M. C. Lee, I. H. Kwak, Y. S. Lee, S. J. Kim, G.D. Gu, T. W. Noh, K. W. Kim</i>

FMM-P14	<b>Magnetic Dead Layer and a precise method to determine the interface anisotropy of magnetic thin films</b> <i>Lam Duc Duong, Trinh Thi Hong Thuy</i>
FMM-P15	<b>Magneto-crystalline anisotropy energy of Fe<sub>32-x</sub>Ga<sub>x</sub> alloys from <i>Ab initio</i> study</b> <i>Maria Matyunina, Mikhail Zagrebin, Vladimir Sokolovskiy, Vasyli Buchelnikov</i>
FMM-P16	<b>Aspect ratio dependence of ferromagnetic resonance in thin film ellipse arrays</b> <i>H. Huang, Z. Wei</i>
FMM-P17	<b>Microwave-assisted Magnetization Switching in Permalloy Antidot</b> <i>H. Huang, Z. Wei</i>
FMM-P18	<b>The enhancement of thermoelectric effect by surface roughness-controlled nanowire</b> <i>H. Huang, Z. Wei</i>
<b>HARD/SOFT MAGNETIC MATERIALS AND APPLICATIONS (HSM)</b>	
HSM-P1	<b>Magnetic properties for L1<sub>0</sub> ordered Mn-Al thin films with perpendicular anisotropy</b> <i>R. Akama, M. Doi, T. Shima</i>
HSM-P2	<b>Development of high susceptibility FeCo-Gd<sub>2</sub>O<sub>3</sub> superparamagnetic films and its application to magnetic force microscopy</b> <i>Y. Z. Cao, Y. Suzuki, P. Kumar, Y. Zhao, S. Yoshimura, H. Saito</i>
HSM-P3	<b>Influence of annealing conditions on magnetic properties, magnetocaloric effect and critical parameters of Ni-Mn-Sn ribbons</b> <i>Nguyen Hai Yen, Pham Thi Thanh, Victor Koledov, Alexander Kamantsev, Alexey Mashirov, Tran Dang Thanh, Kieu Xuan Hau, Seong Chu Yu, Nguyen Huy Dan</i>
HSM-P4	<b>Design and production of magnetic yoke for non-destructive testing</b> <i>Nguyen Huu Duc, Vu Tien Ha, Tran Dang Thanh, Nguyen Huy Dan</i>
HSM-P5	<b>The influence of heat treatment regime on magnetic properties of sintered Nd-Fe-B magnets</b> <i>Nguyen Van Duong, Pham Thi Thanh, Nguyen Hai Yen, Nguyen Mau Lam, Duong Dinh Thang, Nguyen Huy Dan</i>
HSM-P6	<b>Magnetic Properties and Magnetocaloric Effect of Fe<sub>90-x</sub>Nd<sub>x</sub>Zr<sub>10</sub> Rapidly Quenched Alloys</b> <i>Hoang Ha Nguyen, Hai Yen Nguyen, Thi Thanh Pham, Mau Lam Nguyen, Chi Linh Dinh, Manh An Nguyen, Huy Dan Nguyen</i>
HSM-P7	<b>Fabrication of Mn-Ga-Al hard magnetic nanoparticles by high energy ball milling</b> <i>Mau Lam Nguyen, Thi Thanh Pham, Hai Yen Nguyen, Manh Quang Vu, Dinh Thang Duong, Ha Trang Pham, Minh Thi Tran, Nguyen Huy Dan</i>
HSM-P8	<b>Influence of Nb and annealing process on structures and magnetic properties of Co-Zr-B hard magnetic ribbons</b> <i>Nguyen Van Duong, Nguyen Huy Ngoc, Pham Thi Thanh, Nguyen Hai Yen, Nguyen Mau Lam, Duong Dinh Thang, Do Bang, Nguyen Huy Dan, Luu Tien Hung</i>
HSM-P9	<b>Examination of the Influence on Precision of the Wireless Temperature Measurement Induction Heating System by 37 °C Constant Temperature Environment</b> <i>Fumitaka Aki, Tonthat Loi, Hajime Saito, Kazutaka Mitobe</i>
HSM-P10	<b>Preparation of composition modulated Mn-Fe-Ga thin films and their magnetic properties</b> <i>K. Sato, H. Sugawara, Y. Takahashi, T. Shima, M. Doi</i>
HSM-P11	<b>Exchange spring induced by phase separation in BiFeO<sub>3</sub>-based compounds</b> <i>P. T. Tho, H. S. Kim, D. H. Kim, T. L. Phan, B. W. Lee</i>
HSM-P12	<b>Magnetic properties and microstructure of melt spun YCo<sub>5-x</sub>M<sub>x</sub> ribbons (M = C and Sn; x = 0-0.3)</b> <i>H.W. Chang, W.C. Ou, Y.I. Lee, C.W. Shih, W.C. Chang, H. Ouyang, C. C. Shaw</i>

HSM-P13	<b>Domain wall dynamics in ferromagnetic microwires tuned by magnetoelastic interaction</b> <i>Chichay K., Rodionova V., Zhukova V., Perov N., Zhukov A.</i>
HSM-P14	<b>Bimagnetic partially covered microwires: a novel perspective for actuating</b> <i>Baraban L., Chichay K., Berganza E., Perez R., Rodionova V., Vazquez M.</i>
HSM-P15	<b>Fabrication of Magnetic Metal-Insulator Composite Film by Using The LbL Assisted Composite Plating Method</b> <i>Naoyuki Fujita, Yoshitaka Watanabe, Makoto Takeuchi, Naoya Matsumoto, Atsushi Yokoi, Hiroyuki Muto</i>
HSM-P16	<b>Magnetism and magnetocrystalline anisotropy of C- and Zn-substituted <math>\tau</math>-MnAl</b> <i>Jin Sik Park, S. H. Rhim, Soon Cheol Hong</i>
<b>SPINTRONIC MATERIALS AND DEVICES (SMD)</b>	
SMD-P1	<b>Effect of Ag on the morphology and magnetic properties for FePt thin films</b> <i>K. Ishida, M. Doi, T. Shima</i>
SMD-P2	<b>Enhancement of Current Induced-Domain Wall Motion in Tb/Co Multilayers Sandwiched between Heavy Metals with Opposite Spin Hall Angles</b> <i>Pham Van Thach, Do Bang, Hiroyuki Awano</i>
SMD-P3	<b>Wheatstone bridge design optimization for sensitivity enhancement of anisotropic magnetoresistance sensor</b> <i>L.K. Quynh, B. D. Tu, C.V.Anh, N. H. Duc, P.A. Tuan, N.V. Tuan, D. T. H. Giang</i>
SMD-P4	<b>Volume ratio effect of dual oxides with different melting point on microstructure of high <math>K_u</math> Co<sub>80</sub>Pt<sub>20</sub> granular media</b> <i>Kim Kong Tham, Ryosuke Kushibiki, Shintaro Hinata, Shin Saito</i>
SMD-P5	<b>Valley spin valves in periodically buckled honeycomb lattices</b> <i>Son-Hsien Chen</i>
SMD-P6	<b>Tuning coercive force by adjusting electric field for Co/Pt(111) films in Bloch-wall regime</b> <i>Jyh-Shen Tsay, Cheng-Hsun-Tony Chang, Wei-Hsu Kuo, Yu-Chieh Chang</i>
SMD-P7	<b>Magnetophoretic circuits for digital control of single cells on chip – Towards integrated bio-chip</b> <i>Goudu Sandhya Rani, Byeonghwa Lim, Xinghao Hu, CheolGi Kim</i>
SMD-P8	<b>Bias current effect on the magnetoresistance of magnetic tunnel junction devices</b> <i>G. H. Lai, P. J. Su, Lance Horng, T. H. Wu, J. C. Wu</i>
SMD-P9	<b>Vortex Domain Wall Chirality Dependence of Depinning Behaviour on Magnetic Wires with asymmetric notches using a MOKE microscopy</b> <i>Deng-Shiang Shiu, Yun Hong, Kao-Fan Lai, Jong-Ching Wu, Lance Horng</i>
SMD-P10	<b>Detection Magnetism state of permalloy wire used inverse spin Hall effect</b> <i>Kao-Fan Lai, Chun-chia Chang, Ning-Fang Liang, Lance Horng</i>
SMD-P11	<b>Enhancement of Dzyaloshinskii-Moriya interaction in TbFeCo/Co/Ptmagnetic multilayer wires by manipulating Co thin layer thickness</b> <i>Hiroyasu Kondo, Yuichiro Kurokawa, Hiroyuki Awano</i>
SMD-P12	<b>X-ray magnetic circular dichroism study of magnetic anisotropy in Ta/CoFeB/MgO/Ta multilayers</b> <i>D.D. Lam, F. Bonell, Y. Shiota, K. Tanaka, Y. Takahashi, S. Miwa, Y. Kotani, T. Nakamura, Y. Suzuki</i>
SMD-P13	<b>New technology for development of spintronic individual nano-devices using nanotools based on shape memory alloy and optical nano-gripper</b> <i>S. V. von Gratoski, V.V. Koledov, V.G. Shavrov, S. Bhattachryya, P. Kumar, D. N. Nath, P. Yupapin, Z. Zeng</i>

<b>SMD-P14</b>	<b>Magnetic Field Effect on Pentacene-Doped Sexithiophene Diodes</b> <i>Song-Toan Pham, Marine Fayolle, Tatsuhiko Ohto, Hirokazu Tada</i>
<b>MAGNETIC NANOSTRUCTURED MATERIALS (MNM)</b>	
<b>MNM-P1</b>	<b>Local SRT via controlled surface Carbon accumulation of thin Co(0001) films</b> <i>Francesca Genuzio, Pietro Genoni, Tefvik Onur Mentes, A.Sala, Andrea Locatelli</i>
<b>MNM-P2</b>	<b>Effects of cap layers on the magnetic properties for micro fabricated Nd-Fe-B grid patterns</b> <i>G. Saito, M. Doi, T. Shima</i>
<b>MNM-P3</b>	<b>Synthesis and surface functionalization of Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub> core-shell nanoparticles with various functional groups</b> <i>Thi Kieu Hanh Ta, Thi Lien Thuong Nguyen, Ngoc Pham Kim, Bach Thang Phan</i>
<b>MNM-P4</b>	<b>Compositional dependence of structural and magnetic properties of Ga<sub>2-x</sub>Fe<sub>x</sub>O<sub>3</sub> nanoparticles</b> <i>T. C. Han, T. Y. Chen</i>
<b>MNM-P5</b>	<b>Micromagnetic modeling and correlation analysis of magnetic microstructure in nanocrystalline thin films</b> <i>Andrey Izotov, Boris Belyaev, Platon Solovev, Nikita Boev</i>
<b>MNM-P6</b>	<b>Influence of substituted ions Ca, V on the structure and magnetic properties of yttrium garnet</b> <i>Vu Thi Hoai Huong, Dao Thi Thuy Nguyet, To Thanh Loan</i>
<b>MNM-P7</b>	<b>Magneto-optical properties of carbon-encapsulated iron-oxide Fe<sub>x</sub>O<sub>y</sub>@C</b> <i>Yih-Jaan Tsai, Yaw-Teng Tseng, Chin-Lin Pan, Yu-Chuan Chang, Syun-Long Ye, Hua-Shu Hsu, Chun-Rong Lin</i>
<b>MNM-P8</b>	<b>Enhancement of ferroelectric and ferromagnetic properties in Gadolinium (Gd) and Nickel (Ni)co-doped BiFeO<sub>3</sub></b> <i>Dao Viet Thang, Tran Thi Thu Ha, Le Thi Mai Oanh, Do Danh Bich, Du Thi Xuan Thao, Nguyen Van Minh</i>
<b>MNM-P9</b>	<b>Low temperature fabricated L1<sub>1</sub>-type CoPt magnetic alloy thin films</b> <i>Yu-Shen Chen, Wu-Yuan Ding, An-Cheng Sun</i>
<b>MNM-P10</b>	<b>Electrodeposition of CoNi/CoNiP magnetic nanowires</b> <i>Do Quang Ngoc, Le Tuan Tu</i>
<b>MNM-P11</b>	<b>Transition-metal-free ferromagnetic phase of hydrogenated graphene</b> <i>Hyeonyeong Kim, Joongoo Kang</i>
<b>MNM-P12</b>	<b>Synthesis of RGO/CF/PANI magnetic composites for effective adsorption of uranium</b> <i>Tran Quang Dat, Nguyen Tran Ha, Pham Van Thin, Nguyen Vu Tung, Do Quoc Hung</i>
<b>MNM-P13</b>	<b>Structural and magnetic properties of Zn<sub>1-x</sub>Ni<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles</b> <i>N. Tran, D. H. Kim, H. S. Kim, T. L. Phan, B. W. Lee</i>
<b>MNM-P14</b>	<b>Designing Ferromagnetic Graphene-based Magnetic Materials</b> <i>Pham Thi Tuan Anh, Nguyen Anh Tuan, Nguyen Van Thanh, Dam Hieu Chi</i>
<b>MNM-P15</b>	<b>The interparticle magnetic interaction in core-shell nanocomposite O-carboxymethyl chitosan @Fe<sub>3</sub>O<sub>4</sub> NPs</b> <i>Pham Hoai Linh, Nguyen Van Chien, Pham Hong Nam, Dao Thi Hoa, Nguyen Xuan Phuc, Pham Thanh Phong</i>
<b>MNM-P16</b>	<b>Effect of composition on the structural and magnetic properties of Fe<sub>100-x</sub>Co<sub>x</sub> nanoparticles synthesized by mechanical alloying</b> <i>Do Khanh Tung, Do Hung Manh, Le Thi Hong Phong, Trinh Thi Hong Thuy, Nguyen Thi Ngoc Anh, Nguyen Xuan Phuc</i>

MNM-P17	<b>Domain wall switching behavior in permalloy thin film rings</b> <i>Kao-Fan Lai, Chun-chia Chang, Ning-Fang Liang, Lance Horng</i>
MNM-P18	<b>Temperature Evolution of Electrical Transport in a Single Magnetic Vortex</b> <i>Sergi Lendinez, Junjia Ding, John E. Pearson, Axel Hoffmann, Valentine Novosad</i>
MNM-P19	<b>Magnetic vortex nucleation/annihilation in artificial-ferrimagnet microdisks</b> <i>Pavel N. Lapa, Junjia Ding, Charudatta Phatak, John E. Pearson, J. S. Jiang, Axel Hoffmann, Valentine Novosad</i>
MNM-P20	<b>Static and dynamic properties of the ferromagnetic disks with a nonmagnetic void</b> <i>J. Ding, S. Lendinez, P. Lapa, T. Khaire, J.E. Pearson, A. Hoffmann, V. Novosad</i>
MNM-P21	<b>Uncorrelated response of planar Hall effect voltage and anisotropic magnetoresistance to Barkhausen jumps in NiFe/Ta/NiFe magnetic sensor</b> <i>A.A. Elzwawy, A.D. Talantsev, S. J. Kim, C.G. Kim</i>
MNM-P22	<b>Exchange bias and surfaces roughness in thin films FeNi/FeMn</b> <i>Gritsenko Ch., Shevyrtalov S., Lepalovskij V., Gor'kovenko A., Rodionova V.</i>
MNM-P23	<b>Morphologically controlled synthesis of FePt and FePt@Fe<sub>3</sub>O<sub>4</sub> nanoparticles</b> <i>Yunji Eom, CheolGi Kim</i>
MNM-P24	<b>Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>/ZnO@Ag core-shell magnetic nanocomposites for visible light photocatalysis</b> <i>Ngo Thi Hong Le, Ly Ngoc Tai, Ta Ngoc Bach, Nguyen Van Chien, Do Hung Manh, Vu Dinh Lam, Le Van Hong</i>
MNM-P25	<b>High-density array of 10 nm ferromagnetic nano-islands patterned non-destructively by phase transformation with low-energy proton irradiation</b> <i>Tanmay Dutta, Sachin Pathak, Mohamed Asbahi, Kubra Celik, Jong Min Lee, Ping Yang, M. S. M. Saifullah, Ahmet Oral, C. S. Bhatia, Jongin Cha, Jongill Hong, Hyunsoo Yang</i>
MNM-P26	<b>Synthesization and investigation of FeCo nanomaterials synthesised by chemical method</b> <i>Nguyen Mau Lam, Tran Thi Thuy, Tran Minh Thi, Nguyen Huy Dan</i>
MNM-P27	<b>Properties of polyaniline/Fe<sub>0.90</sub>Zn<sub>0.10</sub>Fe<sub>2</sub>O<sub>4</sub> nanocomposites and the increasing of arsenic adsorption capacity in wastewater</b> <i>Tran Minh Thi, Nguyen Mau Lam, Vu Quoc Trung</i>
MNM-P28	<b>Synthesis of Tb<sup>3+</sup>-doped GdPO<sub>4</sub> nanorod materials and their application for rapid detection of naja atra cobra venom</b> <i>Pham Thi Lien, Nguyen Thanh Huong, Nguyen Thi Ngoc Anh, Do Nhu Binh, Vu Xuan Nghia, Le Quoc Minh</i>
MNM-P29	<b>One-pot synthesis of functional graphene oxide-iron oxide-silver ternary nanocomposite for biomedical applications</b> <i>Ngo Xuan Dinh, Tran Van Son, Pham Thi Lan Huong, Hoang Lan, Le Hong Thang, Nguyen Van Quy, Pham Anh Tuan, Vu Ngoc Phan, Anh-Tuan Le</i>
MNM-P30	<b>Magnetic aftereffects in exchange biased planar Hall effect sensors</b> <i>A.D. Talantsev, A.A. Elswawy, S. J. Kim, J.H. Lee, C.G. Kim</i>
<b>MULTIFUNCTIONAL MAGNETIC MATERIALS (MFM)</b>	
MFM-P1	<b>Effects of Al doping on site-disorder and magnetic properties of magnetoelectric GaFeO<sub>3</sub> nanoparticles</b> <i>T. C. Han, Z. Y. Tu, Y. T. Huang</i>
MFM-P2	<b>Optimization of multiferroic properties in Sr-doped BiFeO<sub>3</sub> films on glass substrates</b> <i>H.W. Chang, S.Y. Lin, C.R. Wang, C.S. Tu, S.U. Jen, W.C. Chang, H. Ouyang</i>

<b>MFM-P3</b>	<b>Aptamer-conjugated multifunctional nanoparticles: A promising tool for fast detection and collection of cancer cells</b> <i>Chu Tien Dung, Nguyen Thi Thuy Ha, Tran Thi Hong, <u>Nguyen Hoang Nam</u>, Nguyen Hoang Luong</i>
<b>MFM-P4</b>	<b>Geometrical and electronic structures and magnetic properties of <math>\text{Ca}_2\text{Fe}_{2-x}\text{Al}_x\text{O}_5</math> compounds</b> <i>T. L. Phan, <u>N. Tran</u>, P. T. Tho, D. H. Kim, B. T. Huy, N. T. Dang, B. W. Lee</i>
<b>MFM-P5</b>	<b>Ferroelectric and ferromagnetic properties of low sintering-temperature(1-x)(0.98(Bi<sub>0.5</sub>(Na<sub>0.78</sub>K<sub>0.22</sub>)<sub>0.5</sub>-TiO<sub>3</sub>)-0.02CuO)-(x)NiFe<sub>2</sub>O<sub>4</sub> particulate composites</b> <i>Le Thi Mai Qanh, Nguyen Van Minh, Do Danh Bich, Chang Won Ahn, Aman Ullah, Ill Won Kim</i>
<b>MFM-P6</b>	<b>Synthesis and characteristics of multifunctional magneto-luminescent nanoparticles by ultrasound-assisted Stöber method</b> <i>Chu Tien Dung, Luu Manh Quynh, Tran Thi Hong, Nguyen Hoang Nam, Nguyen Hoang Luong</i>
<b>MFM-P7</b>	<b>Fabrication of highly qualified (B<sub>1-x</sub>Ba<sub>x</sub>)FeO<sub>3</sub> multiferroic thin films by using a pulsed DC reactive sputtering technique and its magnetic and dielectric properties</b> <i>Satoru Yoshimura</i>
<b>MFM-P8</b>	<b>Tuning of magnetic properties of Heusler-type glass-coated microwires</b> <i>V.Zhukova, M. Ipatov, J.J. del Val, <u>A. Zhukov</u></i>
<b>MFM-P9</b>	<b>Synthesis of Fe<sub>3</sub>O<sub>4</sub>@SFL/Eu(NTA)<sub>3</sub> multifunctional luminescent - magnetic nanoparticle and their properties</b> <i>Hoang Thi Khuyen, Pham Thi Lan, Nguyen Thanh Huong, Tran Thu Huong, Pham Thi Lien, Tran Kim Chi, Vu Thi Thai Ha, Do Thi Anh Thu, Ngo Thi Hong Le, Do Khanh Tung, Le Quoc Minh, Dinh Xuan Quyen</i>
<b>MFM-P10</b>	<b>Theoretical study of magnetic, electronic and magnetocaloric properties of ternary and quaternary NiMn-based Heusler alloys</b> <i>Vladimir V. Sokolovskiy, Mikhail A. Zagrebin, Vasily D. Buchelnikov</i>
<b>MFM-P11</b>	<b>Martensitic transformation, structural and magnetic properties of Ni-Mn-Ga/Al<sub>2</sub>O<sub>3</sub> polycrystalline films with Ni- and Ga-excess</b> <i>S. Shevyrtaov, H. Miki, M. Ohtsuka, V. Khovaylo, V. Rodionova</i>
<b>MFM-P12</b>	<b>Magnetic iron oxide@carbon core-shell nanoparticles as advanced adsorbent for efficient removal of arsenic from water</b> <i>Pham Thi Lan Huong, Tran Van Hoan, Pham Thanh Hung, Ngo Xuan Dinh, Nguyen Van Quy, Pham Anh Tuan, Vu Ngoc Phan, <u>Anh-Tuan Le</u></i>
<b>SPIN DYNAMICS AND MICROMAGNETICS (SDM)</b>	
<b>SDM-P1</b>	<b>Numerical study on a novel Curie temperature controlled hybrid thermo-magnetic structure for magnetic random access memories</b> <i>K. Machida, Y. Sonobe, <u>Y. Nakatani</u></i>
<b>SDM-P2</b>	<b>Magnetic domain wall motion in anti-ferromagnetic nanowire induced by a sloped electric field</b> <i>K. Kubota, K. Yamada, <u>Y. Nakatani</u></i>
<b>SDM-P3</b>	<b>Comparison of Dzyaloshinskii-Moriya interaction energy from asymmetric spin-waves propagation and domain wall motion speed measurement in Pt/Co/X structure</b> <i>Dae-Yun Kim, <u>Nam-Hui Kim</u>, Yune-Seok Nam, Joo-Sung Kim, Hyeok-Cheol Choi, Min-ho Park, Yong-Keun Park, Sug-Bong Choe, Chun-Yeol You</i>
<b>SDM-P4</b>	<b>Angular dependence of interfacial Dzyaloshinskii-Moriya interaction</b> <i><u>Woo-Yeong Kim</u>, Hyung-Keun Gweon, Dae-Yun Kim, Hyeok-Cheol Choi, Min-ho Park, Yong-Keun Park, Sang-Ho Lim, Sug-Bong Choe, Chun-Yeol You, Kyung-Jin Lee</i>
<b>SDM-P5</b>	<b>Finding the spinwave eigenvector of a patterned magnetic system</b> <i><u>Indra Purnama</u>, Chun-Yeol You</i>

SDM-P6	<p><b>On chip manipulation of particles/ cells on varied thickness of the magnetic layers for bio applications</b>  <i>Kim Keonmok, Lim Byeonghwa, Yoon Jonghwan, Kim Hyeonsal, CheolGi Kim</i></p>
<b>MAGNETIC MATERIALS FOR APPLICATIONS (MMA)</b>	
MMA-P1	<p><b>Structure and anisotropic magnetoresistance of Ta/NiFe/Ta thin films</b>  <i>H.W. Chang, M. C. Chan, D.H. Wei, P.F. Su, C.R. Wang, H. Ouyang, W.C. Chang</i></p>
MMA-P2	<p><b>Soft Magnetic Thin Film Fabrication for Sensors Application</b>  <i>Luong Van Su, Nguyen Anh Tuan, Nguyen Anh Tue, Nguyen Tuyet Nga, Hoang Quoc Khanh, Nguyen Thi Luyen</i></p>
MMA-P3	<p><b>Hybrid nanocomposites based on polyvinyl alcohol matrix for resistive switching memory devices</b>  <i>Kim Ngoc Pham, Thi Kieu Hanh Ta, Van Viet Pham, Hoang Nam Vu, Bach Thang Phan</i></p>
MMA-P4	<p><b>A facile sono chemical synthesis of dextran-coated <math>\text{Co}_{0.2}\text{Fe}_{0.8}\text{Fe}_2\text{O}_4</math> nanoparticles for hyperthermia application</b>  <i>Pham Hoai Linh, Nguyen Thi Ngoc Anh, Pham Hong Nam, Ta Ngoc Bach, Vu Dinh Lam Do Hung Manh</i></p>
MMA-P5	<p><b>Themosensitive implant for magnetic hyperthermia by mixing micromagnetic and nanomagnetic particles</b>  <i>Tonthat Loi, Yoshiyuki Yamamoto, Fumitaka Aki, Hajime Saito, Kazutaka Mitobe</i></p>
MMA-P6	<p><b>Synthesis of carbon-encapsulated manganese ferrite nanocomposite for enhanced adsorption of As(V) from aqueous solution</b>  <i>Le Thanh Huy, Le Thi Tam, Le Khanh Vinh, Nguyen Quang Hoa, Nguyen Viet Thinh, Doan Thi Ngoc Thanh, Le Minh Tung, Anh-Tuan Le</i></p>
MMA-P7	<p><b>Synthesis of <math>\text{CoFe}_2\text{O}_4</math>/RGO nanocomposites as a supercapacitor electrode material</b>  <i>Kun-Yauh Shih, Yi-Shu Wang, Chun-Rong Lin, Yaw-Teng Tseng</i></p>
MMA-P8	<p><b>An on-chip micromagnet frictionometer based on magnetically driven colloids for nano-bio interface</b>  <i>Xinghao Hu, Sandhya Rani Goudu, Byeonghwa Lim, Kunwoo Kim, CheolGi Kim</i></p>
MMA-P9	<p><b>Study on heating induced phase change in <math>\text{SmB}_6</math> alloy at high temperatures</b>  <i>Nguyen Le Thi, Do Bang, Nguyen Manh An, Nguyen Hai Yen, Pham Thi Thanh, Nguyen Huy Dan</i></p>
MMA-P10	<p><b>Au/MnSb/Au magneto-plasmonic nanostructure for the challenge of controlling selftemperature device</b>  <i>Shin Saito, Tatsuaki Sasaki</i></p>
MMA-P11	<p><b>Monitoring of protein-loaded magnetic nano particles using magnetophoretic spider web</b>  <i>Byeonghwa Lim, Sri Ramulu Torati, Kun Woo Kim, Xinghao Hu, Venu Reddy, CheolGi Kim</i></p>
MMA-P12	<p><b>Micro wind power generation for magnetic bearing</b>  <i>Der-Ray Huang, Lo-Chi Ko</i></p>
MMA-P13	<p><b>Shape and modification of magnetic nanoparticles induce different types of cell death in HCC model</b>  <i>K. Levada, M. Efremova, A. Nikitin, A. Majouga, A. Dejneka, V. Rodionova, M. Lunova, M. Jirsa, O. Lunov</i></p>
MMA-P14	<p><b>MagnetoElectric hybrid material based on piezoelectric PVDF and Co-based nanoobjects for flexible smart devices</b>  <i>A. N. Nguyen, J. Solard, C. Ben Osman, H.T.T. Nong, A. Gomez, S. Mercone</i></p>
MMA-P15	<p><b>T-type Equivalent Circuit Analysis of On-chip Lines with Magnetic Film-type Noise Suppressor</b>  <i>Sho Muroga, Yasushi Endo, Masanari Takamatsu, Hiroya Andoh</i></p>

<b>MMA-P16</b>	<b>Experiments on magnetoresistance properties of PHR sensor on flexible substrates</b> <i>Mijin Kim, CheolGi Kim</i>
<b>MMA-P17</b>	<b>Optimal design of compoact double-layer microwave absorber for X-Ku bands using genetic algorithm</b> <i>Nguyen Tran Ha, Tran Quang Dat, Dang Hai Ninh, Pham Van Thin, Nguyen Vu Tung</i>
<b>MMA-P18</b>	<b>Preparation and characterization of aminosilane-functionalized magnetic antibody conjugates for bacterial recognition and capture</b> <i>Vu Thi Trang, Hoang Van Tuan, Le Thi Tam, Nguyen Van Quy, Tran Quang Huy, Anh-Tuan Le, Vu Ngoc Phan</i>
<b>MMA-P19</b>	<b>Collagen-wrapped liver cancer cell with magnetic nanoparticles for hyperthermia therapy</b> <i>H. Huang, Z. Wei</i>
<b>MMA-P20</b>	<b>1D Magnetoplasmonic Crystal as DC Magnetic Field Sensor</b> <i>Belyaev V., Grunin A., Rodionova V., Fedyanin A.</i>
<b>MMA-P21</b>	<b>In vivo local recordings of the magnetic signature of neurons with GMR sensors</b> <i>Vincent Trauchessec, Thomas Wunderle, Laure Caruso, Josue Trejo-Rosillo, Christopher Murphy Lewis, Joao Valadeiro, Jose Pedro Amaral, Jianguang Ni, Patrick Jendritza, Claude Fermon, Susana Cardoso, Paulo PeixeiroFreitas, Pascal Fries, Myriam Pannetier-Lecoecur</i>