

Program of the ISAMM'02
International Symposium on Advanced Magnetic Materials
October 2-4, 2002, Halong Bay, Vietnam

Symposium Program

(I - Invited; O - Oral; PA, PB - Poster)

Tuesday, October 1, 2002	
15:00- 21:00	Registration
19:00-21:00	Getting together
Wednesday, October 2, 2002	
Wednesday morning	
8:00 – 8:30	Registration
Session 1: Opening and plenary session Chair person: Nguyen Chau (Vietnam National University in Hanoi, Vietnam)	
8:30 - 9:00	Opening remarks J.J.M. Franse (University of Amsterdam, The Netherlands)
9:00 - 9:30 We-1(I)	COLOSSAL MAGNETORESISTIVE OXIDES : PHYSICS, MATERIALS AND DEVICES <u>A.K.Raychaudhuri</u> (<i>Invited</i>)
9:30 - 10:00 We-2(I)	DOMAIN REVERSAL BEHAVIOR IN FERROMAGNETIC NANOTHIN FILMS INVESTIGATED BY TIME-RESOLVED DOMAIN OBSERVATION <u>Sung-Chul Shin</u> , Sug-Bong Choe, and Dong-Hyun Kim (<i>Invited</i>)
10:00- 10:30 We-3(I)	MAGNETIC REFRIGERATION - TOWARDS ROOM-TEMPERATURE APPLICATIONS <u>E. Bruck</u> , O. Tegus, F.R. de Boer and K.H.J. Buschow (<i>Invited</i>)
10:30: 10:45	Break
Session 2: Nanostructured materials 1 Chair person: L. H. Lewis (Brookhaven National Laboratory, Upton, USA)	
10:45 - 11:15 We-4(I)	Fe/V AND Fe/Co (001) SUPERLATTICES: GROWTH, ANISOTROPY, MAGNETISATION AND MAGNETORESISTANCE <u>Per Nordblad</u> (<i>Invited</i>)
11:15 - 11:30 We-5(O)	GMI EFFECT IN AMORPHOUS AND NANOCRYSTALLINE MAGNETIC MATERIALS <u>Nguyen Hoang Nghi</u> , Nguyen Minh Hong, Tran Quang Vinh, Nguyen Van Dung, Pham Minh Hong
11:30 - 11:45 We-6(O)	ANGULAR AND FIELD DEPENDENT MAGNETO-RESISTIVITY IN Ni ₈₀ Fe ₂₀ ZIGZAG WIRES <u>J. L Tsai</u> , S. F. Lee, C. Yu, E.W Huang, T. Y Chen, T. S. Chin, S. K. Chen, M. S. Wong, Y. D. Yao
11: 45 - 12:00 We-7(O)	SPIN DYNAMICS OVER 4 GHZ FROM EXCHANGE INTERACTION IN F/F SPRING-MAGNET TYPE NiFe/CoFe AND F/Af NiFe/NiMn BILAYERS <u>H. Le Gall</u> D. Spenato, J. Ben Youssef, Jean Ostorero and N. Vukadinovic
12:00 - 12:15 We-8(O)	FIELD EFFECTS ON MAGNETIC PROPERTIES OF THREE-LAYER FILMS H. Viet Nguyen, V. Thanh Ngo, H. T. Diep and <u>V. Lien Nguyen</u>
12:15 - 13:30	Lunch

Wednesday afternoon

Session 3: Perovskite 1

Chair person: P.X. Zhang (Kunming University of Science and Technology, China)

13:30 - 14:00
We-9(I) SPONTANEOUS AND FIELD INDUCED MAGNETOSTRUCTURAL PHASE TRANSITIONS IN ELECTRON-DOPED MANGANITES (Sm-Nd)_{1-x}Ca_xMnO₃
D.A.Filippov, R.Z.Levitin, A.N.Vassiliev, T.N.Voloshok, and R.Suryanarayanan (*Invited*)

14:00 - 14:15
We-10(O) STUDYING OF La_{0.7}Sr_{0.3}Mn_{0.96}Co_{0.04}O₃ AND BaTiO₃ COMPOSITES
Cong B. T., Dinh N. N., Hien N. N., Tuyen V. L

14:15 - 14:30
We-11(O) EXAFS AND EPR STUDY OF La_{0.6}Sr_{0.2}(Ca,Ba)_{0.2}MnO₃ LANTHANUM MANGANITES
Dong-Seok Yang, A.N.Ulyanov, Manh-Huong Phan, Ikgyun Kim, Byong-Keun Ahn, Jang Roh Rhee, Jung Sun Kim, Nguyen Chau, Seong-Cho Yu

14:30 -14:45 Break

Poster Session A: Nanostructured materials

Chair persons: P. Brommer (University of Amsterdam, The Netherlands) and Nguyen Hoang Nghi (Hanoi University of Technology, Vietnam)

PA1 ANOMALOUS MAGNETIZATION PROCESS IN THE EXCHANGE-BIASED MnPd/Co BILAYERS
Nguyen Nguyen Phuoc, Nguyen Anh Tuan, Nguyen Phu Thuy, David Babonneau and Jacques Rabier

PA2 EVIDENCE FOR SPIN-FLUCTUATION SCATTERING IN REENTRANT AMORPHOUS FeMnZnR ALLOYS
K.S. Kim, S.C. Yu, A. Perumal, V. Srinivas, V.V. Rao and R.A. Dunlap

PA3 HIGH COERCIVITY AND PERPENDICULAR ANISOTROPY IN GRANULAR Co-Cu FILMS
Nguyen Anh Tuan, Nguyen Hoang Luong, Nguyen Chau, Vuong Van Hiep and Nguyen Thi Minh Ha

PA4 INFLUENCE OF P SUBSTITUTION FOR B ON THE STRUCTURE AND PROPERTIES OF NANOCRYSTALLINE ALLOYS Fe_{73.5}Si_{15.5}Nb₃Cu₁B_{7-x}P_x
N. Chau, N. H. Luong, N. X. Chien, P. Q. Thanh and L. V. Vu

PA5 INFLUENCE OF THE CRYSTALLINE ORIENTATIONS OF NiO NANO FILMS ON THE EXCHANGE BIAS FIELD
Le Van Hong, Nguyen Xuan Phuc, Vu Dinh Lam, Nguyen Chi Thuan, and Phan Vinh Phuc

PA6 LOCAL VARIATION OF MAGNETIC PROPERTIES DUE TO DEMAGNETIZING EFFECT IN THE MAGNETIC MULTILAYERS
CheolGi Kim, D.Y.Kim, C.O.Kim, M. Tsunoda, M. Takahashi

PA7 LOW-FIELD MAGNETORESISTANCE OF {Fe/Cr}_N MULTILAYERS
N.H. Duc, N.T. Nam, N.A. Tuan, N.H. Sinh and J. Teillet A. Fnidiki

PA8 MAGNETIC PROPERTIES OF Nd_{55-x}Co_xFe₃₀Al₁₀B₅ CAST RODS
N. H. Dan, N. X. Phuc, L. V. Hong, H. Z. Kong and J. Ding

PA9 MAGNETIC PROPERTIES AND MOESSBAUER STUDIES OF EXCHANGE-COUPLED Pr_YFe_{90-Y}B₁₀ (Y = 8 – 11.76) NANOCOMPOSITES
H.W. Chang, W.C. Chang, J.C. Ho, W.M. Hikal and H.H. Hamdeh

PA10 MAGNETORESISTANCE IN LASER DEPOSITED Zn_{1-x}Co_xO THIN FILMS
Jae Hyun Kim, Hyojin Kim, Dojin Kim, YoungEon Ihm and Woong Kil Choo

PA11	MIXING AT MICROMETRIC AND NANOMETRIC SCALE IN MECHANICALLY ALLOYED $Fe_{60}Cr_{40}$ A. FNIDIKI, C. LEMOINE, J. TEILLET AND J.J. MALANDAIN
PA12	NEUTRON IRRADIATION EFFECT ON GIANT MAGNETOIMPEDANCE PROFILE IN AMORPHOUS $Fe_{89}B_1Si_3C_3Mn_4$ MICROWIRE M.H. Phan, Y.S. Kim, S.K. Han, S.C. Yu, K.S. Kim, H.B. Lee
PA13	PERMEABILITY SPECTRA OF NEUTRON IRRADIATED AND ANNEALED AMORPHOUS $FeCuNbSiB$ RIBBONS M.H. Phan, K.S. Kim, S.C. Yu, B.G. Kim and Y.H. Kang
PA14	PREPARATION AND PROPERTIES OF $[NdFeB_x/Nb_2]_N$ MULTI-LAYER FILMS J. L. Tsai, T. S. Chin, S. K. Chen, H. Kronmüller, Y. D. Yao
PA15	SYNTHESIS OF COBALT FERRITE NANOCRYSTALLITES BY FORCED HYDROLYSIS METHOD AND INVESTIGATION OF ITS MAGNETIC PROPERTIES Nguyen Hanh, Ong Khac Quy, Nguyen Phu Thuy, Le Duc Tung and L. Spinu
PA16	SYNTHESIS OF MAGNETIC NANOCOMPOSITE BY MECHANICAL ALLOYING J. Ding
PA17	THE STRUCTURAL AND MAGNETIC PROPERTIES OF $Fe-(Si,C)$ SOLID SOLUTION AS PROCESSING TIMES Yong-Goo Yoo, Seong-Cho Yu, J.M. Greneche, Jang Roh Rhee
PA18	TRANSMITTANCE AND DYNAMIC PROPERTIES OF Fe_3O_4 FERROFLUID EMULSION IN HEXANES AND OLEIC ACID K. T. Wu, Y. D. Yao and G. U. Shien
PA19	NON-EQUILIBRIUM MAGNETIC PROPERTIES OF MELT-SPUN $Nd_{60}Fe_{30}Al_{10}$ ALLOYS. R. Sato Turtelli, J.P. Sinnecker, G. Wiessinger, R. Grossinger, D. Triyono
PA20	POTENTIAL APPLICATION OF THE RAPIDLY QUENCHED MAGNETIC MATERIALS Nguyen Hoang Nghi, Pham Van Nho
PA21	THE PREPARATION AND PROPERTIES OF BILAYER MANGNITE FILMS Cha Li-Mei, Zhang Peng-Xiang, H. -U. Habermeier
PA22	LARGE ORIGIN OF INDUCED Sn MAGNETIC MOMENTS IN THIN $Fe/Cr/Sn/Cr$ MULTILAYERS S. Mukhopadhyay and D. Nguyen-Manh
PA23	CURRENT-VOLTAGE CHARACTERISTICS OF THREE-DIMENSIONAL VORTEX GLASS Hoang Zung, Mai Suan Li and Ziep Quang Vinh
PA24	SPINEL FERRITE THIN FILM SYNTHESIZING BY SPIN SPRAY FERRITE PLATING Tran Hoang Hai, Ha Thi Bich Van, Tran Canh Phong and Masanori Abe
PA25	THE GMI PROFILES OF SURFACE REMOVED AMORPHOUS RIBBONS D.G. Park, E.J. Moona, Y.W. Rheem, C.G. Kim, and J.H. Hong
<p>Session 4: Intermetallic compounds 1</p> <p>Chair person: Than Duc Hien (International Training Institute for Materials Science, Hanoi, Vietnam)</p>	
16:00 - 16:30 We-12(I)	COEXISTENCE OF SUPERCONDUCTIVITY AND MAGNETISM IN INTERMETALLIC SUPERCONDUCTOR $Ho_{(1-x)}Dy_xNi_2B_2C$ <u>Sung-Ik Lee</u> , Hyeonjin Doh (<i>Invited</i>)

16:30 - 17:00 We-13(I)	MAGNETIC AND ELECTRONIC STRUCTURES OF THE RARE-EARTH INTERMETALLIC COMPOUNDS <u>A. Szytula</u> , B. Penc (<i>Invited</i>)
17:00 - 17:15 We-14(O)	SPIN REORIENTATION IN INTERMETALLIC COMPOUNDS $\text{ErCo}_{10-x}\text{Fe}_x\text{Mo}_2$ <u>N. H. Luong</u> , N. Chau, N. D. Dung, B. N. Q. Trinh
17:15 - 17:30 We-15(O)	MAGNETIC PROPERTY OF SINGLE CRYSTALLINE SMNIN COMPOUND <u>M. Kurisu</u> and Y. Andoh
Thursday, October 3, 2002	
<i>Thursday morning</i>	
7:30 – 11:30	Sightseeing Halong Bay
12:00 - 13:30	Lunch
<i>Thursday afternoon</i>	
Session 5: Nanostructured materials 2 Chair person: F.R. de Boer (University of Amsterdam, The Netherlands)	
13:30 - 14:00 Th-1(I)	FABRICATION AND PHYSICAL PROPERTIES OF PERMALLOY NANO-SIZE WIRES <u>Y. D. Yao</u> , J. L. Tsai, S. F. Lee, C. Yu, M. S. Wong, Y. R. Ma, and E. W. Huang (<i>Invited</i>)
14:00 - 14:30 Th-2(I)	THE LINK BETWEEN GLASS FORMABILITY AND MAGNETIC PROPERTIES IN Nd-Fe-Al <u>R. W. McCallum</u> , M. J. Kramer, K. W. Dennis, L.H. Lewis, L. D. Tung and N. P. Duong (<i>Invited</i>)
14:30 - 14:45 Th-3(O)	INVESTIGATION OF MAGNETIC CLUSTERING AND PHASE FORMATION KINETICS IN $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ L.H.Son, N.X.Phuc, N.V.Khiem, L.V.Bau, <u>L.V.Hong</u> and D.N.H.Nam
14:45 - 15:00 Th-4(O)	MAGNETIC PROPERTIES AND PHASE EVOLUTION OF NANOCOMPOSITE $\text{Nd}_{10}\text{Fe}_{\text{BAL}}\text{McB}_{10.5}$ (M=Ti, Nb, V, Cr AND Mo) MELT SPUN RIBBONS <u>W. C. Chang</u> , J. K. Chang, H. W. Chang and S. K. Chen
15:00 - 15:15 Th-5(O)	NEAR-SURFACE MAGNETIC PROPERTIES OF Co- BASED AMORPHOUS RIBBONS <u>E.E. Shalyguina</u> , E.A. Ganshina Young-Woo Rheem, CheolGi Kim, Chong-Oh Kim
15:15 - 15:30 Th-6(O)	LCMO THIN FILM LASER ENERGY/POWER METER <u>P. X. Zhang</u> , W. K. Lee, G. Y. Zhang, L. Yu
15:30 - 15:45	Break
Session 6: Perovskite 2 Chair person: J. Teillet (University of Rouen, France)	
15:45 - 16:15 Th-7(I)	STRUCTURE, MAGNETIC, MAGNETOCALORIC AND MAGNETORESISTANCE PROPERTIES OF $\text{La}_{1-x}\text{Pb}_x\text{MnO}_3$ PEROVSKITE <u>N. Chau</u> , H. N. Nhat, N. H. Luong, D. L. Minh, N. D. Tho and N. N. Chau (<i>Invited</i>)
16:15 - 16:45 Th-8(I)	MAGNETO-TRANSPORT PROPERTIES AND INTERFACES IN $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ FILMS AND HETEROSTRUCTURES <u>Laurent Ranno</u> , Emmanuel Favre-Nicolin (<i>Invited</i>)
16:45 - 17:00 Th-9(O)	GAS SENSING WITH SEMICONDUCTING PEROVSKITES N.N. Toan, S. Saukko and <u>V.Lantto</u>
17:00 - 17:15	LaMeO_3 PEROVSKITES POWDERS OBTAINED BY WET CHEMICAL ROUTE

Th-10(O)	<u>M. Popa</u> , L. Van Hong and M. Kakihana
18:30 - 21:00	Banquet
Friday, October 4, 2002	
<i>Friday morning</i>	
Session 7: Nanostructured materials 3 Chair person: Y. Onuki (Osaka University, Japan)	
8:00 - 8:30 Fr-1(I)	MATERIALS AND DEVICE DESIGN FOR SEMICONDUCTOR SPINELECTRONICS BY <i>AB INITIO</i> ELECTRONIC STRUCTURE CALCULATION <u>H. Katayama-Yoshida</u> and K. Sato (<i>Invited</i>)
8:30 - 9:00 Fr-2(I)	MAGNETISATION PROCESS AND MAGNETOSTRICTION IN TERFECOHAN-BASED SINGLE LAYER AND SANDWICH FILMS WITH PERPENDICULAR MAGNETIC ANISOTROPY <u>N.H. Duc</u> , D.T. Huong Giang, V.N. Thuc and N. Chau (<i>Invited</i>)
9:00 - 9:30 Fr-3(I)	HARD MAGNETIC FE-PT ALLOYS PREPARED BY COLD-DEFORMATION N.H. Hai, N.M. Dempsey and <u>D. Givord</u> (<i>Invited</i>)
9:30 - 9:45 Fr-4(O)	ANNEALING AND NEUTRON IRRADIATION EFFECTS ON THE PERMEABILITY IN Fe ₈₆ Zr ₇ B ₆ Cu ₁ ALLOY <u>Y.S. Kim</u> , M.H. Phan, S.C. Yu, K.S. Kim, H.B. Lee, B.G. Kim and Y.H. Kang
9:45 -10:00 Fr-5(O)	NOVEL PROPERTIES OF STRONGLY CORRELATED ELECTRONS CONFINED IN NANOCUSTER ARRAY T. Nakano, D. Kiniwa, Y. Ikemoto and <u>Y. Nozue</u>
10:00 -10:15 Fr-6(O)	MAGNETIC AND MAGNETOOPTICAL PROPERTIES OF (CoFeB)SiO ₂ AND (CoFeB)Al ₂ O ₃ NANOCOMPOSITES <u>E.A.Gan'shina</u> , A.B.Granovsky, V.S.Guschin, S.A.Kirov, A.N.Vinogradov , Cheol Gi Kim, Chong Oh Kim, Y.E.Kalinin A.V.Sitnikov, O.V.Stognei
10:15 -10:30 Fr-7(O)	FREE LAYER THICKNESS DEPENDENCE OF GMR IN Co/PERMALLOY/Co/Cu/Co MULTILAYERS T. H. Lee, Y. W. Lee, <u>C. G. Kim</u> , C. O. Kim
10:30 - 10:45	Break
Session 8: Intermetallic compounds 2 Chair person: S.D. Goren (Ben Gurion University, Beer Sheva, Israel)	
10:45 - 11:15 Fr-8(I)	RECENT ADVANCES OF ITINERANT-ELECTRON METAMAGNETISM AND RELATED PROPERTIES OF INTERMETALLIC COMPOUNDS <u>H. Yamada</u> (<i>Invited</i>)
11:15 - 11:45 Fr-9(I)	THE MAGNETIC PROPERTIES OF A NEW FAMILIY OF RARE EARTH SUBSTITUTED FERRITES <u>R. Grossinger</u> , C. Tellez Blanco, M.Küpferling, M. Müller, G.Wiesinger (<i>Invited</i>)
11: 45 - 12:00 Fr-10(O)	STUDIES ON AB ₅ METAL HYDRIDE ALLOYS WITH Co ADDITIVES Bui Thi Hang, <u>Luu Tuan Tai</u> , Mai Duc Hanh, Le Xuan Que, Nguyen Phu Thuy, Than Duc Hien and Le Thi Hai Thanh
12:00 - 12:15 Fr-11(O)	PRESSURE EFFECT ON MAGNETIC BEHAVIOR AND LATTICE SOFTENING IN CeCo ₄ B <u>Z. Arnold</u> , N. M. Hong, Y. Skorokhod, Z. Machátová
12:15 - 13:30	Lunch

<i>Friday afternoon</i>	
Session 9: Perovskite 3	
Chair person: Z. Arnold (Charles University, Prague, Czech Republic)	
13:30 - 14:00 Fr-12(I)	MAGNETIC AND TRANSPORT PROPERTIES OF $\text{La}_{0.7}\text{Sr}_{0.3}\text{Co}_{1-y}\text{Mn}_y\text{O}_3$ - EVIDENCE FOR NO DOUBLE EXCHANGE BETWEEN Mn AND Co L.V. Bau, N.V. Khiem, L.H. Son, <u>N.X. Phuc</u> , and D.N.H. Nam (<i>Invited</i>)
14:00 - 14:15 Fr-13(O)	ESR STUDIES OF THE MAGNETISM OF Ru-1212 AND Ru-2212 O.Sigaolv, A. Shames, <u>S.D. Goren</u> , H. Shaked, C. Korn, I. Felner and A. Vecchione
14:15 - 14:30 Fr-14(O)	EFFECT OF NI ON STRUCTURE AND RAMAN SCATTERING OF $\text{LaMn}_{1-x}\text{Ni}_x\text{O}_{3+\delta}$ COMPOUND <u>Nguyen Van Minh</u> , In-Sang Yang, Sung-Jin Kim
14:30 - 14:45	Break
14:45 – 16:00	Poster Session B: Perovskite and intermetallic compounds Chair persons: Seong-cho Yu (Chungbuk National University, Korea) and Nguyen Toan Thang (Institute of Physics, Vietnam)
PB1	BAND STRUCTURE AND FERMI SURFACE OF $\text{PrOs}_4\text{Sb}_{12}$ H. Harima and K. Takegahara
PB2	COMPACTION PROCESS OF Nd-Fe-B ISOTROPIC BONDED MAGNETS Canh V. T, Minh N. A., Tu L. T., Thuy D. M., Vuong N. V.
PB3	DIRECT EVIDENCE OF HELIFAN STRUCTURES IN HOLMIUM BY SINGLE CRISTAL NEUTRON DIFFRACTION S. Kawano and T. Kosugi
PB4	ELECTRICAL AND MAGNETIC PROPERTIES OF CERIUM-TRANSITION METAL (T) INTERMETALLICS CeT_5B_2 A. Thamizhavel, T. Okubo, M. Yamada, A. Galatanu, E. Yamamoto, Y. Inada and Y. Onuki
PB5	ELECTRICAL RESISTANCE STUDY OF $\text{Tb}_5(\text{Si}_x\text{Ge}_{1-x})_4$ COMPOUNDS Y.D. Yao, S.F. Lee, M.D. Lee, D.G. Cheng, N.P. Thuy, N.T. Hien, L.T. Tai, T.Q. Vinh, N.V. Nong
PB6	ELECTRONIC STRUCTURE AND MAGNETISM OF PSEUDO- BINARY COMPOUNDS $(\text{SC,CA})\text{CO}_2$ H. Morozumi, K. Terao and H. Yamada
PB7	ENHANCED GIANT MAGNETOIMPEDANCE BY LASER-ANNEALING UNDER MAGNETIC FIELD IN THE Co-BASED MICROWIRE B. S. Lee, S. J. Ahn, S. S. Yoon, C. G. Kim, Y. W. Rheem, C. O. Kim
PB8	EXCHANGE INTERACTIONS AND MAGNETOCRYSTALLINE ANISOTROPY IN THE $\text{RFe}_{12-x}\text{M}_x$ AND THE PARENT INTERSTITIAL COMPOUNDS M. Bacmann, D. Fruchart, D. Gignoux, M. Morales, R. Vert and P. Wolfers
PB9	GIANT MAGNETOSTRICTION AND MAGNETISATION REVERSAL IN A $\text{TbFe}_{4.4}\text{Al}_{7.6}$ SINGLE CRYSTAL P.E. Brommer and N.P. Duong,
PB10	INFLUENCE OF Cu SUBSTITUTION FOR Mn ON THE STRUCTURE, MAGNETIC, MAGNETOCALORIC AND MAGNETORESISTANCE PROPERTIES OF $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ PEROVSKITES

PB11	N. Chau, P. Q. Niem, H. N. Nhat, N. H. Luong and N. D. Tho INFLUENCE OF La DOPING ON THE PROPERTIES OF SrBa HEXAGONAL FERRITE P. Q. Niem, N. Chau, N. H. Luong, D. L. Minh
PB12	INFLUENCE OF A-SITE CATION SIZE ON MAGNETIC AND TRANSPORT PROPERTIES OF $(Nd_{1-Y}Y)_{0.7}Sr_{0.3}MnO_3$ ($0 \leq Y \leq 0.49$) N.V. Khiem, L.V. Bau, L.H. Son, D.N.H. Nam, and N.X. Phuc
PB13	LATTICE DYNAMICS OF $La_{2/3}Ca_{1/3}MnO_3$ DOPED WITH ^{57}Fe J. Zukrowski, J. Przewoznik, E. Japa and K. Krop
PB14	MAGNETIC ANOMALY OF YiG FILMS OBTAINED BY THE CRYSTALLIZATION OF STRUCTURAL COMPLEXES N.I.Mezin, A.N.Ulyanov, V.A.Abramov, N.Yu.Starostyuk, Bingzhi Jiang, Seong-Cho Yu
PB15	MAGNETIC-SUPERCONDUCTING PHASE-DIAGRAM AND MAGNETO-RESISTANCE HYSTERESIS LOOPS IN $Eu_{1-x}Ce_xRuSr_2Cu_{2-10\delta}O$ I. Felner and Y. Yeshurun
PB16	MAGNETOCALORIC EFFECT IN $La_{0.7}Sr_{0.3}MnO_3$ SINGLE CRYSTAL Sheng-Bo Tian, Manh-Huong Phan, Seong-Cho Yu and Nam Hwi Hur
PB17	MAGNETIC AND TRANSPORT PROPERTIES OF Ho_7Rh_3 T. Tsutaoka, Y. Nishiume, T. Tokunaga, Y. Nakamori, Y. Andoh, S. Kawano, G. Nakamoto and M. Kurisu
PB18	MAGNETIC PROPERTIES OF $R_3T_4X_4$ (R= RARE EARTH ATOM, T= Mn, Cu; X= Ge, Sn) COMPOUNDS A. Szytula, E. Wawrzynska, B. Penc, N. Stüsser and A. Zygmunt
PB19	MAGNETISM OF THE $RFe_{12-x}Mo_x$ COMPOUNDS WITH HIGH Mo CONCENTRATIONS N.P. Thuy, D.D. Thieu, V.T. Hien, L.T. Tai, N.P. Duong, K.H.J. Buschow, N.V. Khiem, N.X. Phuc
PB20	MAGNETISM AND HIGH-FIELD MAGNETIZATION OF $ErCu_2$ K. Sugiyama, T. Yamamoto, N. Nakamura, A. Thamizhavel, S. Yoshii, K. Kindo, N. H. Luong and Y. Onuki
PB21	Nd-Fe-B MAGNETIC TOOL PERSPECTIVE FOR APPLICATION IN VIETNAM HIGH PARAFFIN CRUDE OIL PRODUCTION AND TRANSPORTATION IMPROVEMENT Nguyen Phuong Tung, Ngo Quang Vinh, Nguyen Thi Phuong Phong, Bui Quang Khanh Long
PB22	NEUTRON DIFFRACTOMETRY STUDY ON THE STRUCTURAL ANALYSIS OF Mg-Ni-Zn FERRITES PREPARED THROUGH SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS REACTION Yong Choi, C. K. Kim and J. S. Lee
PB23	PARTICLE MORPHOLOGY CHARACTERIZATION OF $LaMnO_3$ PEROVSKITES M. Popa, J. M. Calderon-Moreno, L. Viciu, L. Van Hong and M. Kakihana
PB24	SIMULATION OF THE ENERGY PRODUCT $(BH)_{MAX}$ OF Nd-Fe-B ANISOTROPIC BONDED MAGNETS Vuong N. V., Khanh N. V. and Thuy D. M
PB25	SOL-GEL SYNTHESIS AND MAGNETIC PROPERTIES OF $La_{1-x}Ca_xMnO_3$ COMPOUNDS Nguyen The Hien, Nguyen Phu Thuy and Nguyen Hanh

PB26	STUDY OF GIANT MAGNETO-CALORIC EFFECTS USING A PULSED-FIELD MAGNETOMETER N.T. Hien, T.Q. Vinh, N.V. Nong, L.T. Tai, N.P. Thuy, P.D. Thang and N. H. Hai
PB27	STUDY ON MAGNETIC PROPERTIES AND STRUCTURAL ANALYSIS OF Ba-Ni-Zn FERRITES PREPARED THROUGH SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS REACTION BY NEUTRON DIFFRACTOMETRY Yong Choi, C. K. Kim and J. S. Lee
PB28	THE MAGNETIC AND ELECTRIC PROPERTIES OF CaMnO_3 AND $\text{Ca}_{1-x}\text{Fe}_x\text{MnO}_3$ Dang Le Minh, Phung Quoc Thanh, Hoang Nam Nhat, Bach Thanh Cong
PB29	THE CHANGE OF INTRINSIC MAGNETIC PROPERTIES IN THE NEUTRON IRRADIATED STEEL D.G. Park, D.J. Kim, S.H. Chi and J.H. Hong
PB30	XRD STUDY OF DOPING EFFECTS IN THE PEROVKITE SYSTEM $\text{Ln}_{1-x}\text{A}'_x\text{Bo}_{3\pm\delta}$ ($\text{A}' = \text{Ca}, \text{Sr}, \text{Ba}$; $\text{B} = \text{Mn}, \text{Co}$) L.T.C. Tuong and P. V. Phuc
PB31	NITRIDATION STUDIES OF $\text{Nd}_2\text{Fe}_{17}$ ALLOYS V. V. Hong, R. E. Aune, N. X. Phuc and S. Seetharaman
PB32	KONDO EFFECT IN RARE EARTH CUPRATES Hoang Anh Tuan and Nguyen Toan Thang
PB33	REENTRANT CHARGE ORDERING BEHAVIOR IN THE MANGANITES Hoang Anh Tuan, Le Duc Anh and Nguyen Toan Thang
PB34	MAGNETIC STRUCTURE OF HOPDSN Y. Andoh, M. Kurisu, G. Nakamoto, T. Tsutaoka, Y. Makihara, T. Kosugi, and S. Kawano
PB35	STRUCTURE AND MAGNETIC PROPERTIES OF $\text{Gd}_4(\text{Mn}_{0.05}\text{Sb}_{0.95})_3$ ALLOY Manh-Huong Phan, Nguyen Ngoc Chau, Suhk-Kun Oh and Seong-Cho Yu
Session 10: Nanostructured materials 4 Chair person: Y. D. Yao (Academia Sinica, Taipei, Taiwan)	
16:00 - 16:30 Fr-15(I)	THE EFFECT OF Ag-ADDITIVE ON STRUCTURAL AND MAGNETIC PROPERTIES OF Fe-Pt ALLOY THIN FILMS P.T.L. Minh, N.D. Van, <u>N.P. Thuy</u> , L.T. Nguyen, J.C. Lodder, P.D. Thang, N.T.N. Chan (Invited)
16:30 - 17:00 Fr-16(I)	THICKNESS DEPENDENCE OF MAGNETIC ANISOTROPY AND 90-DEGREE SWITCH OF THE EASY AXIS IN FETAN THIN FILMS <u>Ong Chong Kim</u> (Invited)
17:00 - 17:15 Fr-17(O)	THE CoPt SYSTEM: A NATURAL EXCHANGE SPRING <u>L. H. Lewis</u> , J. Kim, K. Barmak and R. Ristau
17:15 - 17:30 Fr-18(O)	STRUCTURAL AND MAGNETIC PROPERTIES OF Fe-Pt-Nb SPUTTERED FILMS F. T. Tuan, <u>S. K. Chen</u> , and W. C. Chang
Session 11: Closing Chair person: Nguyen Xuan Phuc (Institute of Materials Science, Hanoi, Vietnam)	
17:00 – 17:30	Closing remarks: P. Nordblad (Uppsala University, Sweden)