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FMS2015 Program

Nov. 19 -21, 2015, Waseda University, Tokyo, Japan

DAY 1 (11/19, Thu.)

	1st Floor, Bldg. #63
17:00-20:00	Registration (1st floor, Bldg. #63)
18:00-20:00	Welcome Reception (1st floor, Bldg. #62 : Meeting room-M)

DAY 2 (11/20, Fri)

	63-03,04,05 Meeting room (2nd Floor, Bldg #63)		
9:00-9:30	Opening		
	Plenary Session #1 (Chair: Katsuyuki Matsunaga, Kazuaki Toyoura)		
9:30-10:00	Plenary-1: Fumiyasu Oba Accurate Predictions of Defect Properties in Semiconductors: Towards Understanding and Screening of Materials		
10:00-10:30	Plenary-2: Markus Münzenberg Ultrafast Dynamics of Spins and Spin Currents: Magnetic Storage, Spintronic Devices and Topological Insulators		
10:30-11:00	Coffee (1st Floor, Bldg. #63)		
	Session R1-1, 63-2-03(2nd Floor, Bldg #63) (Chair: Shigemi Mizukami, Andy Thomas)	**Session R2-1, 63-2-04 (2nd Floor, Bldg #63) (Chair: Yoichi Horibe, Nam-Nhat Hoang)**	**Session R3-1, 63-2-05 (2nd Floor, Bldg #63) (Chair: Taisuke Ozaki, Duc-Thang Pham)**
11:00-11:30	R1-1-1: Manfred Albrecht (Invited) Amorphous Ferrimagnetic Tb-Fe Thin Films: Coupling Phenomena and All-Optical Helicity Dependent Magnetic Switching	R2-1-1: Jens Müller (Invited) Studying Charge Carrier Dynamics by Fluctuation Spectroscopy – An Overview	R3-1-1: Ryoji Funahashi (Invited) Development of Thermoelectric Materials and Application
11:30-12:00	R1-1-2: Bernd Wolf (Invited) Magnetic Cooling in Frustrated Magnets Close to a Quantum Phase Transition	R2-1-2: Atsutomo Nakamura (Invited) Electrical Conductivity at Artificial Charged Domain-Walls in $LiNbO_3$	R3-1-2: Van-Hong Le (Invited) Piezoelectric Properties of $BaZr_{0.2}Ti_{0.8}O_3$-$Ba_{1-x}Ca_xO_3$ (x=0.10-0.35)
12:00-12:30	R1-1-3: Merlin Pohlit (Invited) Micro-Hall Magnetometry: Stray-Field Studies on Ferromagnetic Direct-Write Nanostructures	R2-2-3: Eita Tochigi (Invited) TEM Characterizations of Low-angle Grain Boundaries of α-Al_2O_3	R3-1-3: Chikako Moriyoshi (Invited) Electron Density Study of Ferroelectric Oxides by Synchrotron X-ray Diffraction

12:30-13:00	Poster Preview session #1 (Chair: Hidenobu Murata)	Poster Preview Session #2 (Chair: Tetsuya Tohei)	Poster Preview Session #3 (Chair: Hidekazu Ikeno)
13:00-14:00	Lunch		
14:00-14:30	Poster session (1st Floor, Bldg. #63)		
	Session R1-2, 63-2-03(2nd Floor, Bldg #63) (Chair: Manfred Albrecht, Bernd Wolf)	**Session R2-2, 63-2-04 (2nd Floor, Bldg #63) (Chair: Jens Müller, Atsutomo Nakamura)**	**Session R3-2, 63-2-05 (2nd Floor, Bldg #63) (Chair: Van-Hong Le, Chikako Moriyoshi)**
14:30-15:00	R1-2-1: Shigemi Mizukami (Invited) THz Magnetization Precession for a Tetragonal Heusler-Like Compensated Ferrimagnet	R2-2-1: Yoichi Horibe (Invited) Nano-sized Checkerboard Domains in Manganese Spinel Oxides	R3-2-1: Taisuke Ozaki (Invited) O(N) Krylov Subspace Density Functional Methods and Its Applications to Complicated Interface Structures
15:00-15:30	R1-2-2: Andy Thomas (Invited) Atomic Layer Deposited HfO_2-Based Magnetic Tunnel Junctions	R2-2-2: Wataru Norimatsu (Invited) Epitaxial Graphene Growth on SiC and Its Electronic Functionalization	R3-2-2: Kazuaki Toyoura (Invited) Correlation between Ionic Conduction and Crystal Structures in Proton-Conducting Oxides - A First-Principles Study
15:30-15:50	R1-2-3: Thanh-Cong Pham (Invited) Magneto-Acoustic Studies of Frustrated Quantum Magnets	R2-2-3: Akiko Sekine (Invited) In situ Control of Solid-State Photochromic Reactivity in Dual Photoreactive Cobaloxime Crystals	R3-2-3: Uichiro Mizutani (Invited) Role of FLAPW-Fourier-theory Derived Electrons per Atom Ratio, e/a, for 54 Elements in the Periodic Table Including All Transition Metal Elements
15:50-16:20	R1-2-4: Teruyasu Mizoguchi (Invited) Individual Dopant and Nano-Scale Phase Separation in Glass Investigated Using STEM, EELS, and Theoretical Calculations	R2-2-4: Akihiko Hirata (Invited) Direct Observation of Short- to Medium-Range Order in Metallic Glasses	R3-2-4: Koretaka Yuge (Invited) Equilibrium Macroscopic Structure Revisited From Spatial Constraint
16:20-16:40	R1-2-5: Duc-Thang Pham (Invited) Ablation Process of Nanostructured Oxide-based Composites	R2-2-5: Tristan Barbier (Invited) Relationship between the Structural, Magnetic Properties and the High Permittivity Observed in a Complex Hexagonal Perovskite	R3-2-5: Masaya Ukita First-Principles Thermodynamics in $CaCO_3$ polymorphs
16:40-18:20	Poster Session (16:40-17:30 Odd number, 17:30-18:20 Even number, 1st Floor, Bldg. #63)		
18:30-20:30	Banquet (1st Floor, Bldg. #63)		

DAY 3 (11/21, Sat.)

	Session R1-3, 62-L (1st Floor, Bldg #62) **(Chair: Akihide Kuwabara, Hidenobu Murata)**	**Session R2-3, 62-M (1st Floor, Bldg #62)** **(Chair: Fabio Pichierri, Jürgen Schnack)**	**Session R3-3, 63-2-05 (2nd Floor, Bldg #63)** **(Chair: Hajime Hojo, Henning Ulrichs)**
8:30-9:00	R1-3-1: Hidehiro Yoshida (Invited) Doping Effect on Grain Boundary Nanostructure and High Temperature Mass Transport Phenomena in Polycrystalline Yttria	R2-3-1: Harald Jeschke (Invited) Effects of Doping and Pressure in Copper Based Kagome Materials: spin Liquid and Strongly Correlated Dirac Metal	R3-3-1: Stefan Mathias (Invited) Ultrafast Laser-Induced Charge- and Spin-Dynamics in Alloys and Multilayer Structures
9:00-9:30	R1-3-2: Thanh-Cong Bach (Invited) Magnon Spectrum at the Symmetric and Antisymmetric Exchange Interactions in Ultrathin Films	R2-3-2: Chiara Botta (Invited) Aggregation Induced Emission in Organic and Organometallic Compounds	R3-3-2: Takashi Kimura (Invited) Efficient Spin Injection and Absorption Using CoFe-Based Alloys and Its Application
9:30-9:50	R1-3-3: Takuya Satoh One to One Mapping of Optical Polarization to Magnetic Oscillations in Hexagonal $YMnO_3$	R2-3-3: Miroslav Dramićanin Judd-Ofelt Analyses of Europium(III) Emission in TiO_2 Nanoparticles Co-Doped With Li Ions	R3-3-3: Masashi Akabori (Invited) Characterization of Spin-Orbit Coupling in Gated Wire Structures Using $In_{0.75}Ga_{0.25}As/In_{0.75}Al_{0.25}As$ Inverted Heterojunctions
9:50-10:10	R1-3-4: Lee Burton Computational Analysis of the Effect of Layered Materials in Photovoltaic Devices	R2-3-4: Kouta Imaizumi First-Principles Analysis of oxide-Ion Conductions in Apatite-Type Lanthanum Silicate and Germanate	R3-3-4: Shuichi Kawamata Effective Mass of Two-dimensional Electrons in InGaAsN/GaAsSb TypeII Quantum Well by Shubnikov-de Haas Oscillation
10:10-10:30	Coffee (1st Floor, Bldg. #63)		
	SessionR1-4, 62-L (1st Floor, Bldg #62) **(Chair: Masahiro Nagao, Ikuya Yamada)**	**Session R2-4 62-M (1st Floor, Bldg #62)** **(Chair: Hiroki Moriwake, Hiroki Taniguchi)**	**Session R3-4, 63-2-05 (2nd Floor, Bldg #63)** **(Chair: Stefan Mathias, Takashi Kimura)**
10:30-11:00	R1-4-1: Tetsuya Tohei (Invited) Phonon and Related Properties of Ceramics Materials from First Principles Calculations	R2-4-1: Fabio Pichierri (Invited) Computational Design of Soft Materials for the Capture of Cs-137	R3-4-1: Hajime Hojo (Invited) Ferromagnetism at Room Temperature Induced by Spin Structure Change in $BiFe_{1-x}Co_xO_3$
11:00-11:20	R1-4-2: Abel Carreras Conill Lattice Anharmonicity from MD Calculations Using DynaPhoPy	R1-4-5: Yoshifuru Mitsui Magnetic-Field-Induced Reaction in Bi-Mn Alloys	R3-4-2: Akihide Kuwabara (Invited) First-Principles Calculation of Hydration Reaction in Acceptor-doped Rare-Earth Phosphates

11:20-11:50	R1-4-3: Hidekazu Ikeno (Invited) First-Principles Analysis of X-ray Magnetic Circular Dichroism for Transition Metal Oxides	R2-4-3: Jürgen Schnack (Invited) Magnetism of Free and Deposited Magnetic Molecules	R3-4-3: Henning Ulrichs (Invited) Spin-Current and Thermally Induced Magnetic and Elastic Dynamics in Thin-film Nanostructures
11:50-12:10	R1-4-4: Nam-Nhat Hoang (Invited) Time-Dependent DFT Study of New Observable Quantum Surface Effects in Colloidal ZnS	R2-4-4: Joohwi Lee Band-Gap Prediction of AX Binary Compounds by Combination of Density Functional Theory and Machine Learning Techniques	R3-4-4: Yu Kumagai Theory of Ionization Potentials of Solids
12:10-12:30			R-3-4-5: Shunsuke Chikada Effects of Interactions between Doped Mn and Oxygen Vacancy in $BaTiO_3$ on Insulation Resistance and Reliability
12:30-13:30	Lunch		
13:30-14:00	Poster Session (1st Floor, Bldg. #63)		
	Session R1-5, 62-L (1st Floor, Bldg #62) (Chair: Ryoji Funahashi, Akihiko Hirata)	**Session R2-5, 62-M (1st Floor, Bldg #62) (Chair: Harald Jeschke. Chiara Botta)**	**Session R3-5, 63-2-05 (2nd Floor, Bldg #63) (Chair: Koretaka Yuge, Tetsuya Tohei)**
14:00-14:30	R1-5-1: Masahiro Nagao (Invited) Lorentz Transmission Electron Microscopy Study of Magnetic Skyrmions in Chiral Magnets	R2-5-1: Hiroki Moriwake (Invited) Functional Electronic Ceramic Materials Research by Collaboration between Atomic Level Structure Analysis and Theoretical Calculations	R3-5-1: Hidenobu Murata (Invited) First-Principles Calculations for Phase Transition of High-Pressure Phase of TiO_2 during Decompression
14:30-14:50	R1-5-2: Gabriel Sánchez Resonant Tunneling Across an Artificial Multiferroic Tunnel Junction	R2-5-2: Kazuhito Takeuchi Efficient Configuration Sampling in Alloys to Obtain the Density of States	R3-5-2: Abdul Majid (Invited) Band Gap Dependence of Exchange Interactions in III-Nitride Based Diluted Magnetic Semiconductors
14:50-15:20	R1-5-3: Ikuya Yamada (Invited) Novel Quadruple Perovskite Catalysts for Oxygen Evolution Reaction	R2-5-3: Hiroki Taniguchi (Invited) Toward the Development of New Ferroelectric Oxides	R3-5-3: Nobufumi Ueshima (Invited) Significance of Nucleation Stage on Selective Variant Growth in FePd under External Magnetic Fields: Phase-Field Modeling

15:20-15:40	R1-5-4: Yuki Sakai Negative thermal expansion in A- or B-site substituted $BiNiO_3$	P2-5-4: Takuro Kinoshita Research on Activation of N_2 Adsorption on Transition Metals Surfaces Based on Density Functional Theory	R3-5-4: Shaojie Hu Indirect Detection of Magnetization Direction Using Thermal spin Injection
	Plenary Session #2 (Chair: Markus Münzenberg, Thanh-Cong Bach), 57-202 (2nd Floor, Bldg. #57)		
15:40-16:10	Coffee (2nd Floor, Bldg. #57)		
16:10-16:40	Plenary-3: Vinh-Hung Tran Low-Temperature Physical Properties of Nano TiO_2 and Ag-TiO_2		
16:40-17:10	Plenary-4: Motoko Kotani Mathematical Challenge to Structural Understanding of Materials		
17:10-17:40	Award Ceremony and Closing Remarks		

Posters

Poster Preview Session: (63-2-03, 04, 05, 2nd Floor, Bldg. #63)
12:30-13:00, 11/20(Fri)

Poster Session (1st Floor, Bldg. #63)
#1: 14:00-14:30, 11/20(Fri)
#2: 16:40-17:30, 11/20(Fri) Odd number posters
#3: 17:30-18:20, 11/20(Fri) Even number posters
#4: 13:30-14:00, 11/21(Sat)

Poster Preview Session #1 (63-2-03, 2nd Floor, Bldg. #63)	**Poster Preview Session #2 (63-2-04, 2nd Floor, Bldg. #63)**	**Poster Preview Session #3 (63-2-05, 2nd Floor, Bldg. #63)**
P1-1: Keiichi Koyama Magnetic Properties of $Mn_{1.9}Cu_{0.1}Sb$ under High Pressure	P2-1: Hideaki Takagi Structural Analysis of Polymer Thin Films using GISAXS in the Soft X-ray Resion	P3-1: Hiromi Oda Prediction of Structure and Energy of BCC Grain Boundaries
P1-2: Masahiro Hirashima Magnetocaloric properties of $(MnFe)_2PGe$ and $(MnFe)_2PSi$	P2-2: Kota Tomita Exitonic Effect on Na-$L_{2,3}$ edge XANES	P3-2: Junya Terasaka Proton and Hydroxide-ion Conduction in Tin Pyrophosphate Analyzed by First-principles Calculations
P1-3: Kentaro Kojima Crystallographic Features of Orbital Ordering Related to the C-type Antiferromagnetic State in the Highly-correlated Electronic System $Ca_{1-x}Pr_xMnO_3$	P2-3: Hirotaka Katsukura Effect of Van der Waals Interactions for Theoretical Calculation of Liquid ELNES	P3-3: Yuji Ikeda First-Principles Calculation Method of Phonon Frequencies for Disordered Magnetic Alloys at Finite Temperatures
P1-4: Kosuke Ozono Magnetic and Structural Properties of $MnCo_{1-x}Fe_xGe$ $(0 \leq x \leq 0.12)$	P2-4: Yuho Furushima Atomic Structure and Electric Property of (0001)/<11-20> Low-Angle Tilt Grain Boundary in $LiNbO_3$	P3-4: Akira Takahashi Representation of Many-Body Effect for Constructing Interatomic Potential with Machine Leaning Technique
P1-5: Yoshiki Ito Heat Generation Ability in AC magnetic Field of $MgAl_xFe_{2-x}O_4$ Ferrite Powder Prepared by Sol-Gel method	P2-5: Tomohiro Miyata Molecular Vibrational Measurement of Localized Areas in a Liquid	P3-5: Kazuki Shitara Local Environment of Oxygen Atoms in δ-Bi_2O_3 Solutions; First-principles Molecular Dynamics Study
P1-6: Taiga Shiraishi The Magnetic Properties for $Mg_{1-X}CuXFe_2O_4$ Having High Heat Generation Ability in an AC Magnetic Field	P2-6: Yoichi Shimbo Fabrication of Ferromagnetic Dislocations along $SrTiO_3$ Grain Boundary by Mn-Doping	P3-6: Craig Fisher Molecular Dynamics Simulations of NiO/YSZ Heterointerfaces

P1-7: Duy-Truong Quach Correlation of Hysteresis Loop and Domain Structure of CoFeB/Pd	P2-7: Akihito Ishihara Atomic-Scale Fracture Behavior of a Doped Alumina Σ13 Grain Boundary	P3-7: Takafumi Ogawa First-Principles Calculations of Point Defect Formation in $Y_2Ti_2O_7$ Pyrochlore
P1-8: Dong-Hyun Kim Nanometer-Scale Local XMCD Mapping for Co/Pt Multilayer Films Using Scanning Transmission X-ray Microscopy	P2-8: Taoto Wakamori High Field X-ray Diffraction Measurements in Ge-Substituted Mn_2Sb	P3-8: Yosuke Suzuki Stable Crystal Structures of Intermetallics Containing Modifier Elements for Refinement of Eutectic Si in Al-Si Alloys
P1-9: Chisato Murayama Correlation between Magnetism and Crystal Structure in the Layered Chalcogenide $FePS_3$	P2-9: Bin Feng Atomic Structure and Quantitative Determination of Oxygen Nonstoichiometry in CeO_2 Grain Boundaries	P3-9: Daisuke Kanayama Impacts of Impurities Doped in Magnéli Phases Ti_nO_{2n-1} on Thermoelectric Properties by first principles Calculations
P1-10: Morishige Yoneda Simulation of Magnetic Hysteresis Curves in the Spin Valve System by Fe_3O_4	P2-10: Satoru Yoshioka XAFS Study of Hydrogen Absorption in Palladium Nanoparticles	P3-10: Susumu Fujii Systematic Calculations for Phonon Thermal Conductivity and its Underlying Mechanism in Layered Cobaltites
P1-11: Masahide Shibata Solubilization of Membrane Proteins in an Aqueous Buffer Using the Polymer Conjugated PG-Surfactants	P2-11: Kouichi Masuda Electronic Structure Analysis of $RE_{1-x}Sr_xCoO_3$ (RE = La, Pr, Nd) by Co-L_3 X-ray Absorption Spectra	P3-11: Yuki Obukuro First-Principles Study on Electronic Structure of $LaYbO_3$
P1-12: Seong Huh Experimental and Theoretical Investigation of the Gas Sorption Properties of a 3D In-NDC Metal-Organic Framework	P2-12: Tatsuya Suzuki Observation of Structural Phase Transition in $EuBaCo_2O_{5+\delta}$	P3-12: Noriko Otani Cluster Expansion Studies of Ti-V Dihydride Solid Solutions
P1-13: Eun-Hee Kim Effects of the Temperature on the Self-Healing of Poly(styrene-co-methacrylic acid) Ionomers	P2-13: Shaohua Li Coherent-Incoherent-Transition of γ-γ' Interface during Hot Deformation in Ni-based alloy 730	P3-13: Ryohei Tanaka First-Principles Study On Disordered Phase Stability of Mg-based Alloy
P1-14: Hamzeh Kashani Mechanical Properties of Graphene and Graphene Reinforced Metal and Polymer Composites	P2-14: Hiroshi Fujii Enhancement of Catalytic Activity of Perovskite-Type Manganese Oxides for Oxygen Evolution Reaction	P3-14: Hirokazu Satoh Determination of e/a for Equiatomic II-VI and III-V Compounds by Means of the FLAPW-Fourier Theory

P1-15: Tsong-Long Hwang Anti-Inflammatory Effect of Oleic Acid-Encapsulated Lipid Nanoparticle in Human Neutrophils	P2-15: Mihiro Takasaki Crystal Growth through Oriented Attachment of Calcite Nanocrystals	P3-15: Toshimitsu Hayashi Anti-Site Defect States of Off-stoichiometric $Fe_{2-x}V_{1+x}Al$ Studied by Electronic Band Structure Calculation and Photoelectron Spectroscopy
P1-16: Munechika Kobayashi Control of Electric Conductivity at Ferroelectric Domain-Walls Fabricated in $LiNbO_3$	P2-16: Daisuke Urushihara Domain Structures in the Ferroelectric Layered Perovskite $Bi_4Ti_3O_{12}$	P3-16: Kazuo Soda Electronic Structures of High-Pressure Phase PdF_2-type MO_2 (M = Ru, Rh, Ir, Pt)
P1-17: Takanori Motoki Characteristic Microstructures Observed in Cl-Doped YBCO Superconducting Thin Films Prepared by Fluorine-Free MOD Method	P2-17: Jae-Won Lim Thermodynamic Assessment of Oxygen Behavior of Ti Powder by Ca-Saturated Atmosphere	P3-17: Hideo Ohzuku First-Principles Calculations of the OH-Adsorption Energy on Perovskite Oxide
P1-18: Yuki Kugimoto Preparation and Characterization of Optically Transparent Antistatic Sheets from Coating Solutions Containing a Quaternary Ammonium Salt	P2-18: Chun Cheng The B/C Ratio Effect on the Structure and Property of Boron Carbide	P3-18: Tetsuya Kishimoto Theoretical Study on Microscopic States via Random Matrices
P1-19: Jia-You Fang Squalene-Containing Photonic Nanoparticles as an Exogenous Contrast Agent to Ameliorate the Resolution for Fluorescence Angiography	P2-19: Takahiro Machida Effects on Recrystallization and Precipitation Behavior in Co-Al-W-Based Alloys	P3-19: Yutaka Osada Valence State Analysis of Fe Ions in $LaM_{1-x}Fe_xO_3$ (M = Al, Ga, In)
P1-20: Katarina Vukovic Judd- Ofelt Analysis of Luminescence from Eu^{3+} doped $Gd_2Ti_2O_7$ and $Lu_2Ti_2O_7$ Pyrochlore Nanopowders	P2-20: Mahunnop Fakkao Effect of Mechanical Stress on Chemical Potential of Lithium in Cathode Materials for All-Solid-State Lithium-Ion Batteries	P3-20: Kazuki Morita DFT Study of Ti Interstitial in Rutile TiO_2 (110) Surface
P1-21: Jiuhui Han Bicontinuous Nanoporous Graphene Materials for High-Performance Rechargeable Li-O_2 Battery	P2-21: canceled	P3-21: Qian Dong DFT Calculations of Pt Adsorption on Rutile TiO_2 (110) surfaces
P1-22: Marina Tsujimoto Synthesis of Nano-Carbon Films on Insulator Substrates by Alcohol Chemical Vapor Deposition	P2-22: Thanh-Cong Bach Conductive-Perovskite $LaNiO_3$ Thin Films Prepared by Using Solution Process for Electrode Application	P3-22: Shin Kiyohara Application of Non-linear Regression to predict Grain Boundary Structure and Energy

P1-23: Fan Zhu Spatial Heterogeneity as the Origin of β-Relaxation in Metallic Glass	P2-23: Kei Nakayama Orientation Relationship between the T Structure and the Icosahedral Quasicrystal in the Mg-Zn-Al Alloy System	P3-23: Tristan Barbier Combined Experimental and DFT Computational Study of Silicide Based compounds
P1-24: Dang-Thanh Tran Magnetic and Magnetocaloric Properties near the First-to-Second Order Magnetic Phase Transformation of $La_{0.7}Ca_{0.275}Ba_{0.025}MnO_3$ Nanocrystals	P2-24: Akihisa Kamata Necessary Condition to form Double-Perovskite Structured BaBiO3 by Rare-Earth Doping	P3-24: Kakeru Ninomiya Electronic Structure of $Ag_6Ge_2O_7$
P1-25: Dang-Thanh Tran Extended X-ray Absorption Spectra and Highly Photocatalytic Activity of (N, Ta)-Doped TiO_2 Nanoparticles	P2-25: Tomoya Murai Substitution Mechanism of Mn ions in $CaTiO_3$	P3-25: Kazuya Kojima Application of Configurational Polyhedra to Phase Stability
P1-26: Thi-Ngoc-Mai Pham Modification of Rice Husk Towards Application in Solid Phase Extraction	P2-26: Joshua Hoemke Preparation of Mn-Al co-Doped ZnO Thermoelectric Ceramics by Conventional Sintering and Spark Plasma Sintering (SPS)	P3-26: Md. Earul Islam In-Plane Transport Properties of MnAs/InAs/GaAs(111)B Grown by Molecular Beam Epitaxy
P1-27: Thi-Thanh-Xoan Ngo Raman Spectroscopy of La-implanted $LaMnO_3$	P2-27: Makoto Murakami Inverse-Type Charge Transfer in Quadruple Perovskite Oxide	P3-27: Yusuke Okamoto Influence of Cation Nonstoichiometry to Oxygen Nonstoichiometry in Mixed Ionic and Electronic Conducting Perovskite Oxides
P1-28: Thi-Phuong Nguyen Synthesis and Investigation of M-Cu_2O Heterostructures	P2-28: Hua-Wei Chen Application of Modified Magnetite to Adsorb Rhodamine B	P3-28: Keita Matsuda Electrical Transport Properties of Close-Packed and Well-Aligned Carbon Nanotube Films Depending on Length
P1-29: Khac-Thuan Nguyen Influence of Pressure on Magnetic Properties of La-excess Si-doped $LaFe_{13}$ Binary Alloy		