

POSTER SESSION

PB1-1: Advanced Techniques (TEM/STEM)

- B11-P-01 Magnetocrystalline Anisotropy of Hexagonal Co by Relative Intensities of Electron Magnetic Circular Dichroic Signals
Tomohiro Kudo¹, Kazuyoshi Tatsumi², Shunsuke Muto², Klaus Leifer³ and Jan Ruz⁴. ¹Graduate School of engineering, Nagoya University, ²Institute for Materials and Systems for Sustainability, Nagoya University, ³Department of Engineering Science, Uppsala University, ⁴Department of Physics and Astronomy, Uppsala Universityi78
- B11-P-02 High-Resolution EELS Study of Organic Crystals
Hiroki Kurata, Yoshifumi Fujiyoshi, Yuriko Tomisaki, Takashi Nemoto and Mitsutaka Haruta. Institute for Chemical Research, Kyoto Universityi78

B11-P-03	Interactions of TEM Electron Beam with Liquid and Nanoparticles in the Liquid Ying-Jhan Hong¹, Lin-Ai Tai², Hung-Jen Chen², Chung-Shi Yang², Pin Chang² and Tri-Rung Yew¹. ¹ Department of Materials Science and Engineering, National Tsing-Hua University, ² Bio Materials Analysis Technologyi79
B11-P-04	Limit of Detection for Dopant in Si Using Large Solid Angle Silicon Drift Detector Kei-ichi Fukunaga¹, Noriaki Endo¹, Minoru Suzuki², Kyoichiro Asayama¹ and Yukihito Kondo¹. ¹ JEOL Ltd., ² Thermo Fisher Scientific Japani79
B11-P-05	Complete Elemental Analysis of Silicate Microparticles Released from Fukushima Nuclear Reactors Using Microcalorimeter EDS in TEM Toshihiro Kogure¹, Toru Hara², Masanori Mitome² and Noriko Yamaguchi³. ¹ Graduate School of Sciences, The University of Tokyo, ² National Institute for Material Science, ³ National Institute for Agro-Environmental Sciencesi80
B11-P-06	Three-Dimensional Analysis of Exhaust Gas Catalyst Using Energy Dispersive X-ray Tomography Shin Inamoto, Akiyo Yoshida, Naoto Kaneko and Yuji Otsuka. Morphological Research Laboratory, Toray Research Center, Inc.i80
B11-P-07	Phase-Contrast Characteristics of Annular Bright-Field Imaging in STEM Naoto Takanashi, Takehito Seki and Eiji Abe. Department of Materials Engineering, The University of Tokyoi81
B11-P-08	Simulation of Phase Imperfection Restoration in Electron Holography in Noisy Case Wei Li¹ and Takayoshi Tanji^{1,2}. ¹ EcoTopia Science Institute, Nagoya University, ² Global Research Center for Environment and Energy Based on Nanomaterials Sciencei81
B11-P-09	Application of STEM Low Angle Annular Dark Field Diffraction Contrast to Imaging of Severely Deformed Alloys Althaf Basha Dudekula¹, Julian M. Rosalie¹, Hidetoshi Somekawa¹, Takashi Miyawaki^{1,2}, Alok Singh¹ and Koichi Tsuchiya^{1,2}. ¹ Structural Materials Unit, National Institute for Materials Science, ² Graduate School of Pure and Applied Sciences, University of Tsukubai82
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B11-P-11	The Effect of Aging on the Phase Transformation of AA7050 Aluminum Alloys Tsai-Fu Chung¹, Bo-Ming Huang¹, Jer-Ren Yang¹ and T. Ohmura². ¹ Department of Materials Science and Engineering, National Taiwan University, ² National Institute for Materials Sciencei83
B11-P-12	Development of New Generation Multi-Purpose 200 kV Field Emission Electron Microscope Kazuya Yamazaki, Akira Yasuhara, Tomohisa Fukuda, Mitsuhiro Terao, Natsuko Nakamura, Masashi Nishikawa, Yuji Yamazaki, Hisao Kihara, Naoko Baba, Hidenori Nagatake, Taishi Sakai, Akihiro Saitow, Isamu Ishikawa, Toshikatsu Kaneyama and Yoshihiro Ohkura. JEOL Ltd.i83
B11-P-13	Thermally Actuated Tensile Deformation Device for TEM Shi-duo Sun¹, Xiao-dong Wang¹, Sheng-cheng Mao¹, Xiao-dong Han¹ and Ze Zhang^{1,2}. ¹ Institute of Microstructure and Property of Advanced Materials, Beijing University of Technology, ² State Key Laboratory of Silicon Materials and Department of Materials Science and Engineering, Zhejiang Universityi84
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PB1-2: In-Situ (TEM/STEM)

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PB1-3: SEM (includes FIB/SEM)

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PB2-1: Nano-materials

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Houyu Ma¹, Yinsheng He¹, Chao Fang¹, Han-sang Lee², Jung-il Song³, Je-hyun Lee¹ and Keesam Shin¹. ¹School of Nano & Advanced Materials Engineering, Changwon National University, ²Advanced Materials Group, Korea Electric Power Research Institute, ³Department of Mechanical Engineering, Changwon National Universityi102
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PB2-2: Structural Materials

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PB2-3: Functional Materials

B23-P-01	High-Resolution Lorentz Electron Microscopy Using Monochromator and Cs Corrector <i>Takuro Nagai¹, Koji Inoke², Masaki Takeguchi¹ and Koji Kimoto¹.</i> ¹ National Institute for Materials Science (NIMS), ² FEI Company Japan Ltd.i112
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- B23-P-03 Lorentz Electron Microscopy Study on an X-Type Hexaferrite
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- B23-P-04 High Glass Forming Ability Fe-Based Soft Magnetic Amorphous Alloys
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J. C. Park¹, H. S. Kim², J. S. Kim³ and O. S. Kwon³. ¹Business Support Department, Gumi Electronics & Information Technology Research Institute, ²Center for Materials Analysis, Research Institute for Advanced Materials, ³R&D Center, E&D Co., Ltd.i115
- B23-P-08 Investigation on Atomic and Electronic Structures of LaAlO₃/SrxC_{1-x}TiO₃ Interfaces Using Cs-Corrected STEM and EELS
Woonbae Sohn, Taemin Kim, Sangmoon Yoon, Miyoung Kim and Howon Jang. Seoul National University, Department of Materials Science and Engineeringi115
- B23-P-09 Electron Energy Loss Spectroscopy of Boron Doped Diamond Electrodes
Syo Matsumura^{1,3}, Tomokazu Yamamoto^{1,3}, Satoru Yoshioka^{1,3}, Takeshi Watanabe² and Yasuaki Einaga^{2,3}. ¹Department of Applied Quantum Physics and Nuclear engineering, Kyusyu University, ²Department of Chemistry, Keio University, ³JST-CRESTi116
- B23-P-10 Visualization of Two-Dimensional Potential Map in Organic Electroluminescent Materials with Phase-Shifting Electron Holography
Takeshi Sato¹, Kazuo Yamamoto², Miki Tsuchiya¹, Katsuji Ito¹, Ryosuke Kamiya³, Noriyuki Yoshimoto³ and Yoshifumi Taniguchi¹. ¹Hitachi High-Technologies Corporation, ²Japan Fine Ceramics Center, ³Department of Materials Science and Engineering, Iwate Universityi116
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K. Kurushima^{1,3}, S-W. Cheong² and S. Mori³. ¹Toray Research Center, ²Rutgers University, ³Osaka Prefecture Universityi117
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K. C. Kim¹, S. H. Park¹, M. Y. Na¹, H. J. Chang², W. T. Kim³ and D. H. Kim¹. ¹Center for Non-Crystalline Materials, Department of Materials Science and Engineering, Yonsei University, ²Advanced Analysis Center, Korea Institute of Science and Technology (KIST), ³Department of Optical Engineering, Cheongju Universityi117

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