

November 12 (Monday)	November 13 (Tuesday)	November 14 (Wednesday)
Opening Ceremony of SIMS XIII and ALC '01 Chair: Y.Homma 9:00-9:10 Y.Nihei(Chairman) 9:10-9:15 Representative of JSPS 9:15-9:35 A.Benninghoven 9:35-9:40 Announcement	Analysis with Photo-Emission Technique 9:00- 9:40 Y.Nihei 9:40-10:10 T.Greber 10:10-10:40 J.Kawai	New Microscope II 9:00- 9:40 H.Rose 9:40-10:10 T.Koshikawa 10:10-10:40 A.K.Schmid
	Coffee Break	Coffee Break
Plenary Lectures Chair: P.Williams & Y.Nihei 9:40-10:20 M.G.Dowsett 10:20-11:00 N.Winograd 11:00-11:40 R.Shimizu	Ion Scattering 10:55-11:25 K.Kimura 11:25-11:55 W.Heiland 11:55-12:25 M.Copel	Electron Interference & LEED 10:55-11:25 S.Y.Tong 11:25-11:55 T.Hirayama 11:55-12:25 C.Oshima
New Microscope I 11:45-12:25 E.Bauer		Closing 12:25-12:30 Closing
Lunch	Lunch	Excursion with lunch box 12:30-13:00 departure
New Microscope I (continued) 13:45-14:15 J.Kirschner New Field 14:15-14:55 A.D.Romig,Jr. 14:55-15:25 H.Saka	SPM II 14:00-14:30 P.Varga 14:30-15:00 S.Morita 15:00-15:30 H.Neddermeyer	
Coffee Break	Coffee Break	
SPM I 15:40-16:10 W.-D.Schneider 16:10-16:40 H.Tokumoto	TEM & SEM 15:45-16:15 D.B.Williams 16:15-16:35 Y.Bando 16:55-17:05 Y.Homma	
Student Awards 16:40-17:15 Awarding Ceremony Short Presentations (5 min each) M.Hamdi S.Iida T.Kawasaki N.Kuroiwa T.Yamashita	Emission Process & Surface Analysis 17:05-17:35 T.Ichinokawa	
Snacks (cookies) & Drinks	Snacks (sandwiches) & Drinks	Noh Play 17:30-18:00
Poster Session 17:15-19:30	Emission Process & Surface Analysis (continued) 18:05-18:35 O.Wells 18:35-19:05 Z.Ding 19:05-19:25 H.Watanabe 19:25-19:45 V.Grillo 19:45-20:05 M.Kimura	Banquet 18:00-20:00

Note: Get together reception will be held from 16:00 to 18:00 on Nov.11 (Sunday), 2001.

Opening Ceremony

Y.Nihei (Chairman of SIMS XIII & ALC '01)
Representative of Japan Society for the Promotion of Science (JSPS)
A.Benninghoven
Announcement

Plenary Lectures

- 12PL1 "Depth Profiling Using Ultra Low Energy Secondary Ion Mass Spectrometry"
M.G.Dowsett
12PL2 "Prospects for Imaging TOF-SIMS: From Fundamentals to Biotechnology"
N.Winograd
12PL3 "Toward Aberration-Free Image Observation by TEM and STEM"
R.Shimizu

Oral Session

New Microscope I

- 12I01 "Surface Electron Microscopy with Slow Reflected and Emitted Electrons"
E.Bauer (invited)
12I02 "Photoemission Microscopy of Magnetic Structures in Oligatomic Films"
J.Kirschner (invited)

New Field

- 12I03 "Nanotechnology: Opportunities and Challenges"
A.D.Romig, Jr. and T.A.Michalske (invited)
12I04 "In Situ Observation of Solid-Liquid Interfaces by Transmission Electron Microscopy"
H.Saka (invited)

SPM I

- 12I05 "Scanning Tunneling Microscopy and Spectroscopy of Nanostructures"
W.-D.Schneider (invited)
12I06 "A Challenge to Chemical Identification of Single Atom on Silicon Surface by Scanning Tunneling Microscope with Atom Probe"
H.Tokumoto and T.Shimizu (invited)

Analysis with Photo-Emission Technique

- 13I01 "3D Atomic Structure Determination of Surface and Interface by Photoelectron Spectro-Holography"
Y.Nihei, H.Ishii and M.Owari (invited)
13I02 "Investigations on a Ferromagnetic, Atomically Sharp Interface: *h*-BN on Ni(111)"
T.Greber, W.Auwärter, H.J.Neff, M.Muntwiler, M.Hoesch, F.Baumberger, M.Hengsberger, G.Grad, P.Blahá and J.Osterwalder (invited)
13I03 "Surface Multilayer Characterization Using Total Reflection X-rays"
J.Kawai (invited)

Ion Scattering

- 13I04 "High-Resolution Rutherford Backscattering Spectroscopy: A New Tool for Atomic Level Characterization"
K.Kimura and K.Nakajima (invited)

- 13I05 "Adsorption Studies on Metal Alloy Surfaces by STM, LEIS and XPD"
W.Heiland (invited)
- 13I06 "Structural Characterization of Metal-Oxide Dielectrics on Si"
M.Copel (invited)

SPM II

- 13I07 "Local Structures on Metals Studied by STM on Atomic Scale "
P.Varga (invited)
- 13I08 "Noncontact Atomic Force Microscopy on Semiconductor Surfaces "
S.Morita and Y.Sugawara (invited)
- 13I09 "STM Study of the Growth and Structure of Thin Films of Transition Metal Oxides "
H.Neddermeyer (invited)

TEM & SEM

- 13I10 "Quantitative Microanalysis with High Spatial Resolution: Application of FEG-STEM XEDS Microanalysis to the Characterization of Complex Microstructures in Unirradiated and Irradiated Low Alloy Forging Steel"
D.B.Williams and M.Watanabe (invited)
- 13O01 "Development and Application of a New 300kV Energy Filter Electron Microscope "
Y.Bando, M.Mitome, D.Golberg, Y.Kitami, K.Kurashima, T.Kaneyama, Y.Okura and M.Naruse
- 13I11 "Ultrahigh Vacuum Scanning Electron Microscopy –Toward the Engineering of Atomic Steps–"
Y.Homma, P.Finnie, A.Kaneko and T.Ogino (invited)

Emission Process & Surface Analysis

- 13I12 "Contrast Differences of Secondary Electron Images between Scanning Electron and Scanning Ion Microscopy "
M.Kudo, T.Suzuki and T.Ichinokawa (invited)
- 13I13 "Imaging of Samples with Shallow Surface Topography in the Scanning Electron Microscope"
O.Wells (invited)
- 13I14 "Some Applications of Monte Carlo Simulation of Electron Scattering at nm-scale "
Z.Ding (invited)
- 13O02 "Thermal Decomposition of ZrO₂/SiO₂ Bilayer on Si(001)"
H.Watanabe
- 13O03 "Characterization of Ultra-Thin InAs Quantum Wells by TEM-CL and TEM Techniques "
V.Grillo, N.Yamamoto and Y.Watanabe
- 13O04 "Characterization of Nanostructure of Rusts Formed on Weathering Steel"
M.Kimura, T.Suzuki, G.Shigesato, S.Suzuki and H.Kihira

New Microscope II

- 14I01 "Design and First Tests of a Mirror-Corrected Ultrahigh-Resolution Spectroscopic Electron Microscope "
H.Rose, P.Hartel and D.Preikszas (invited)
- 14I02 "Dynamic Observation and Structure Analysis of Nano-Structures on Si"
T.Koshikawa (invited)
- 14I03 "Dynamic Properties of Nanostructures at Surfaces: In-Situ Measurements by LEEM and SPLEEM"
A.K.Schmid, N.C.Bartelt, R.Q.Hwang and H.Poppa (invited)

Electron Interference & LEED

- 14I04 "Surface Patterson Function by Inversion of Low Energy Electron Diffraction IV Spectra at Multiple Incident Angles"
S.Y.Tong (invited)
- 14I05 "Visualization of Electromagnetic Micro-Fields by Advanced Electron Holography"
T.Hirayama, Z.Wang, K.Yamamoto, T.Kato, N.Kato, K.Sasaki, H.Saka and K.Urata (invited)
- 14I06 "Ultra-Coherent Electron Beams "
C.Oshima (invited)

Recipients of Student Awards

M.Hamdi (Kyoto University)

"Atomic Level Characterizations of Hydroxyapatite Films for Biomedical Applications"

S.Iida (Osaka University)

"Atomic Level Characterization of Sc-O/W(100) Emitter at High Temperatures I"

T.Kawasaki (Osaka University)

"Phase Reconstruction with Aberration Correction by Three-dimensional Fourier Filtering Method"

N.Kuroiwa (Osaka Electro-Communication University)

"Cu Nano-Structure Formation and Structure Analysis on H Terminated Si(111)"

T.Yamashita (Waseda University)

"Coherent Electron Emission from Carbon Nanotubes – Young's Interference of Electrons with a Fermi Wavelength –"

Poster Session (*: Student Awards)

- 12P01 "STM Light Emission from Reconstructed Structures on Semiconductor and Metal Surfaces"
S.Kagami, Y.Harada, M.Hoshino, H.Minoda and N.Yamamoto
- 12P02 "Ion Emission Induced by Deexcitation of Metastable Atoms from Self-Assembled Monolayers"
Y.Yamauchi, M.Kurahashi and T.Suzuki
- 12P03 "Monte Carlo Modeling of X-ray Generation under Electron Bombardment "
T.Nagatomi, T.Shimada, Y.Kimura, Y.Takai, S.Awata, T.Yurugi and K.Obori
- 12P04 "Monte Carlo Simulation of X-ray Generation in W/Cu-target as Applied to Optimum Designing of High Power X-ray Source"
A.Yoshioka, K.Araki, R.Shimizu, T.Nagatomi and Ding Zejun
- 12P05 "Monte Carlo Simulation of Target Atomic-Number Dependence of Ion-Induced Kinetic Electron Emission"
K.Ohya
- 12P06 "Analysis of the Spin-Polarization Enhancement in Secondary Electron Emission from Ferromagnetic Materials"
M.Yasuda, R.Katsuse, H.Kawata and K.Murata
- 12P07 "Quantitative Measurements of Surface Potential and Amount of Charging in Insulator Sample under Electron Beam Irradiation "
Y.Mizuhara, T.Nagatomi, Y.Kimura, Y.Takai and M.Inoue
- 12P08 "Precise Energy Distribution of Elastically Backscattered Primary Electrons: Energy Calibration in Electron Spectroscopy"
K.Goto, J.Y.Zhong, N.N.Rahman and R.Shimizu
- 12P09 "Construction of Database of Effective Energy Loss Functions"
T.Nagatomi, Y.Takai, B.V.Crist and R.Shimizu

- 12P10 "Possibility of Observing the Electric Field due to 5 Electrons by High Precision Phase-Shifting Electron Holography"
K.Yamamoto, T.Tanji, M.Hibino and T.Hirayama
- *12P11 "Phase Reconstruction with Aberration Correction by Three-dimensional Fourier Filtering Method"
T.Kawasaki and Y.Takai
- 12P12 "Aberration Free Imaging Technique Based on Focal Depth Extension"
T.Ikuta
- 12P13 "Development of a Dedicated STEM and Its Performance in Materials Characterization"
T.Hashimoto, T.Yaguchi, T.Kamino and R.Urao
- 12P14 "Ultra-High Vacuum Scanning Electron Microscopy Combined with Total Reflection Angle X-ray Spectroscopy"
T.Yamanaka, N.Shimomura and S.Ino
- 12P15 "Development of Silver Coated Fiber Probe for Photon STM "
K.Onishi, T.Ohgi and D.Fujita
- 12P16 "Development of the Novel Instrument for X-ray Photoelectron Diffraction Using the Multi -Energy High Power X-ray Source"
H.Ishii, S.Shiraki, K.Tamura, S.Omori, T.Okano, M.Owari, M.Do, K.Tsukamoto, M.Taguchi, C.Oshima, T.Koshikawa, R.Shimizu and Y.Nihe
- 12P17 "Measurements of Photoelectron Diffraction by Using the High Angle Resolving Analyzer"
K.Tamura, M.Amano, R.Tamura, H.Ishii, T.Okano, M.Owari, M.Taguchi, H.Kobayashi, K.Watanabe, H.Iwai and Y.Nihe
- 12P18 "A Novel Electron Energy Analyzer"
M.Goto, T.Nakajima, K.Yamamura, C.Oshima and T.Ishikawa
- 12P19 "Imaging Energy Filter of Double Einzel Lenses"
T.Ogawa, A.Ishikawa, C.Oshima and T.Ichinokawa
- 12P20 "A Low-Temperature Field Emission System for Development of Ultra-Coherent Electron Beams"
B.Cho, T.Ogawa and C.Oshima
- *12P21 "Atomic Level Characterization of Sc-O/W(100) Emitter at High Temperatures I"
S.Iida, T.Tsujita, T.Nagatomi, Y.Kimura and Y.Takai
- 12P22 "Atomic Level Characterization of Sc-O/W(100) Emitter at High Temperatures II"
T.Tsujita, S.Iida, T.Nagatomi, Y.Kimura and Y.Takai
- 12P23 "Study on Surface Structure of Zr-O/W (100) by X-ray Photoelectron Diffraction"
M.Amano, K.Tamura, H.Ishii, M.Owari, T.Kawano, T.Nagatomi, Y.Takai, R.Shimizu and Y.Nihe
- 12P24 "Electron Emission Characteristics of ZrO/W Electron Sources with a Wide Range of Tip Radii"
S.Sakawa and K. Tsunoda
- 12P25 "Tip Radius of Tungsten Point Cathode at High Temperatures: Effects of Surface Diffusion and Evaporation"
R.Iiyoshi and M.Hibino
- *12P26 "Coherent Electron Emission from Carbon Nanotubes – Young's Interference of Electrons with a Fermi Wavelength –"
T.Yamashita, K.Matsuda, T.Kona, Y.Mogami, M.Komaki, Y.Murata, C.Oshima, T.Kuzumaki and Y.Horiike
- 12P27 "Computation of Electric Field Strength on the Apexes of Vertically-Aligned Carbon Nanotubes"
H.Shimoyama, H.Murata and T.Ohye
- 12P28 "Electron Optical Instrument for Evaluation of Multi Emitters"
H.Shimoyama, H.Murata, A.Mogami, Y.Sakai, M.Kato and K.Betsui

- 12P29 "Development of Remolding Technique for High Performance Field Emitter"
S.Asano, M.Aoyama and H.Shimoyama
- 12P30 "Electronic States of Carbon Nano-Ribbons "
R.Ohno, M.Hosoda, M.Okuzawa, H.Tanaka, S.Otani and C.Oshima
- 12P31 "Atomic Vibrations of Lithium Atoms Adsorbed on Carbon Nano-Ribbons "
A.Tajima, T.Tanaka, R.Moriizumi, H.Yanagisawa and C.Oshima
- 12P32 "SPM Investigation of C₆₀ Thin Films Irradiated with Energetic Ions "
K.Narumi and H.Naramoto
- 12P33 "Structural Characterization of the C₆₀ Nanowhiskers Formed by the Liquid-Liquid Interfacial Precipitation Method"
K.Miyazawa, Y.Kuwasaki, A.Obayashi and M.Kuwabara
- 12P34 "Structural Characterization of Randomly and Vertically Oriented Carbon Nanotube Films Grown by Using Chemical Vapor Deposition"
T.Ikuno, T.Yamamoto, S.Takahashi, M.Kamizono, S.Honda, M.Katayama, T.Hirono and K.Oura
- 12P35 "Carbon Nanotube Thin Films Formed by Surface Decomposition of SiC"
M.Kusunoki, T.Suzuki, C.Honjo, T.Hirayama and N.Shibata
- 12P36 "HRTEM and Energy-Filtering TEM of Multi-Walled Nanotubes Composed of B, C and N Atoms "
D.Golberg, Y.Bando, M.Mitome, K.Kurashima and T.Sato
- 12P37 "Plasmon Energies and Work Function in Ar⁺ Irradiated Graphite "
H.Hashimoto, M.Watanabe, S.Nishiuma, K.Nakamura and S.Yoshida
- 12P38 "Study on Interface Structures of *h*-BN/Ni(111) by X-ray Photoelectron Diffraction with a Multi-Energy X-ray Source "
R.Tamura, K.Tamura, H.Ishii, M.Owari, T.Tanaka, A.Tajima, R.Morizumi, C.Oshima and Y.Nihe
- 12P39 "Linearly Polarized Light Two-Dimensional Photoelectron Spectroscopy: Band Dispersion of Kish Graphite in Three-Dimensions"
F.Matsui, H.Miyata, H.Namba and H.Daimon
- 12P40 "X-ray Total Reflection and Traveling Wave from Multilayers"
P.F.Karimov, S.Harada and J.Kawai
- 12P41 "Real Time Observation of Surface Morphology at Nanometer Scale with Using X-ray Specular Reflection"
T.Kawamura, S.Bhunia, Y.Watanabe, S.Fujikawa, K.Uchida, J.Matsui, Y.Kagoshima and Y.Tsusaka
- 12P42 "A Highly Sensitive Method to Detect Strain Using X-ray Dynamical Diffraction Applicable to Surface and Interface Analyses "
T.Saka
- 12P43 "Imaging Micropatterned Organosilane Self-Assembled Monolayers on Silicon by Means of Scanning Electron Microscopy and Kelvin-Probe Force Microscopy"
Y.Wu, K.Hayashi, N.Saito, H.Sugimura and O.Takai
- 12P44 "An FIB Micro-Sampling Technique for Three-Dimensional Characterization of a Specific Site "
T.Yaguchi, Y.Kuroda, Y.Ueki, T.Kamino, T.Ohnishi, K.Umemura and K.Asayama
- 12P45 "Inelastic Energy Loss, Charged Fraction and Elastic Cross-Sections of keV He⁺ Ion Scattered from Monolayer Metal Adsorbates on the Si(111) Surfaces Studied by CAICISS"
K.Morita and N.Kishi
- 12P46 "Atomic Scale Interface Diffusion Studies with MEIS "
D.W.Moon, Y.H.Ha, H.I.Lee, Y.Park, J.Kim, S.-C.Shin, Y.S.Lim and J.Y.Lee
- 12P47 "Atomic Structure of the Si(113) Surface Studied by Coaxial Impact Collision Ion Scattering Spectroscopy"

- K.S.Kim, J.U.Choi, J.H.Kim and H.J.Kang
- 12P48 "Structural Analysis of the Si(111)- $\sqrt{3}\times\sqrt{3}$ -Sb Surface by Means of CAICISS"
N.Kishi and K.Morita
- 12P49 "Reflection Electron Microscope Study of Periodic Step Density Wave on a Si(111) Vicinal Surface"
H.Minoda
- 12P50 "Influence of Hydrogen-Surfactant Coverage during Ge Growth on Si(001) "
S.Inoue, T.Okuno, T.Fujino, Y.Yamazaki, M.Katayama and K.Oura
- 12P51 "STM Observation of Self-Organized Al Nanocluster Formation on Si(100) Surfaces Induced by Atomic Hydrogen"
S.Itou, A.A.Saranin, A.V.Zotov, O.Kubo, T.Kobayashi, N.Yamaoka, M.Katayama and K.Oura
- *12P52 "Cu Nano-Structure Formation and Structure Analysis on H Terminated Si(111)"
N.Kuroiwa, P.Rajasekar, Y.Fukushima, T.Yasue, T.Koshikawa, H.Neddermeyer, M.Jalochowski and E.Bauer
- 12P53 "High Resolution Microscopy and FFT of Damage Structure in Hydrogen-Ion Implanted Si Wafer"
S.Ohnuki, S.Suzuki, S.Watanabe and T.Abe
- 12P54 "Influence of O₂ Incident Energy for Initial Sticking Probability and Product SiO Desorption Rate on Si(001) Surfaces"
Y.Teraoka and A.Yoshigoe
- 12P55 "Oxidation of HF-Treated Si(001) Surfaces Induced by O₂ Translational Energy"
A.Yoshigoe and Y.Teraoka
- 12P56 "Graded Etching: A New Preparation Method for Evaluation of SiO₂ Films and SiO₂/Si Interfaces"
Y.Muraji, K.Yoshikawa, M.Nakamura and Y.Nakagawa
- 12P57 "Auger Electron Spectroscopy Combined with Reflection High-Energy Electron Diffraction Applied to Real-Time Monitoring of Si Thermal Oxidation"
Y.Takakuwa, F.Ishida and T.Kawawa
- 12P58 "AFM Observation of Nanosized SiC Dots Prepared by Ion Beam Deposition"
Y.Xu, K.Narumi, K.Miyashita and H.Naramoto
- 12P59 "Structural Analysis of the 6H-SiC(0001)($\sqrt{3}\times\sqrt{3}$)-R30° Surfaces by RHEED Rocking Curves"
Y.Hisada, T.Aoyama, S.Mukainakano and A.Ichimiya
- 12P60 "Initial Oxidation of 6H-SiC(0001)- $\sqrt{3}\times\sqrt{3}$ Surface Studied by SR-Photoelectron Spectroscopy Coupled with Medium Energy Ion Scattering"
Y.Hoshino, T.Nishimura, K.Ogawa, H.Namba and Y.Kido
- 12P61 withdrawn
- 12P62 "Surface Morphology Analysis of the Thermally Annealed Ti Films on 3C- and 4H-SiC by Photoemission Electron Microscopy"
J.Labis, C.Kamezawa, M.Hirai, M.Kusaka and M.Iwami
- 12P63 "Characterization of Annealed Zirconium Oxide and Silicate Gate Dielectric Films on Si(001) "
T.Yasue, M.Hirose, K.Manabe, N.Ikarashi and T.Koshikawa
- 12P64 "A Novel Compositional Accommodation Mechanism in SrNbO₃ Epitaxial Thin Films Revealed by Analytical Electron Microscopy"
S.Takeno, R.Ohara, K.Sano and T.Kawakubo
- 12P65 "Micro-Analysis of Domain Boundaries in α -SiAlON by Field-Emission Transmission Electron Microscope "
F.F.Xu, Y.Bando, C.M.Wang and M.Mitomo
- 12P66 "TEM Observation of GaN Laterally Overgrown on (111)Si"
S.Tanaka, Y.Honda, N.Sawaki and M.Hibino

- 12P67 withdrawn
- 12P68 "A Molecular Dynamics Simulation of Cluster Implantation for Shallow Junction Formation"
Y.Hada
- 12P69 "AC Transport Through a Double Quantum Dot with Electron-Phonon Interaction"
Y.Yu, T.C.Au Yeung and W.Z.Shangguan
- 12P70 "Investigations on MOCVD Grown InGaAs/AlGaAs Quantum Wire Structures"
P.Jayavel, N.Tsurumachi and M.Ogura
- 12P71 "Characterization of Ultra-Thin InAs Quantum Wells by TEM-CL and TEM Techniques"
V.Grillo, N.Yamamoto and Y.Watanabe
- 12P72 "Distribution of Lattice Parameter in Strained MQW Laser Diodes"
S.Seo, T.Matsuda, K.Mitose and F.Iwase
- 12P73 "On an Optically Pumped Dual Resonant Tunneling – Based Intersubband Mid-Infrared LASER Heterostructure"
E.A.Anagnostakis
- 12P74 "Spin Transport across the GaAs/GaAsP/Si Interfaces Probed by Muons"
E.Torikai, K.Wakahara, Y.Ikeda, K.Shimomura, K.Nagamine, T.Saka, T.Kato, K.Araki and Y.Mizuno
- 12P75 "Investigations on Swift Heavy Ion Implantation Induced Damage on Semi-Insulating InP"
K.Santhakumar, R.Kesavamoorthy, P.Jayavel, P.Magudapathy, K.G.M.Nair and V.Ravichandran
- 12P76 "Raman Scattering Studies on N⁺ Implanted n-GaAs at Low Temperature"
P.Jayavel, K.Santhakumar and M.Ogura
- 12P77 "Selective Charge Trapping in n-MOSFETs Irradiated with 1MeV Electrons under Bias"
N.S.Shinde, V.N.Bhoraskar and S.D.Dhole
- 12P78 "Nanometer Sized Surface Defects Induced by High Energy Ions in Organic Crystals of Benzoyl Glycine: A Scanning Force Microscopy Study"
H.S.Nagaraja, R.Neumann, P.Mohan Rao, D.K.Avasthi
- 12P79 "Charging Effects in Gold Nanoclusters Grown on Octanedithiol Layers"
T.Ohgi, W.Deng and D.Fujita
- 12P80 "Structure Modification by Iridium on the Structure of Au/TiO₂ Catalyst"
T.Akita, M.Okumura, K.Tanaka and M.Haruta
- 12P81 "Laser Influence at Heterogeneous Reaction on Solid State Surface"
D.T.Alimov, S.A.Ubaidullaev, V.K.Medvedeva
- 12P82 "Ab-initio Molecular Orbital Method for Hydrogen Induced States of Titanium III"
K.Hayashi, S.T.Nakagawa, Y.Mizuno, A.Tanaka and T.Homma
- 12P83 "Formation of Promising Co-C Nano-Compositions"
V.Lavrentiev, H.Abe, S.Yamamoto, H.Naramoto and K.Narumi
- 12P84 "Analytical Electron Microscopy of HDDR Processed Nd-Dy-Fe-B Magnetic Powders"
G.Drazic, P.McGuinness and S.Kobe
- 12P85 "Characterization of Nanostructure of Rusts Formed on Weathering Steel"
M.Kimura, T.Suzuki, G.Shigesato, S.Suzuki and H.Kihira
- 12P86 "Characterization of the Iron Surface by Analyzing Differential Intensities of Scattered X-rays at Small Glancing Angle Incidence"
Y.Fujii, A.Tao, K.Ikeda, Y.Kusumi, E.Yanase and K.Nishio
- 12P87 "Surface Crystal Structure of Fe Film Passivated in Borate Buffer Solution"
H.Deng, P.Qian, A.Santosa, N.Sanada, M.Yoneya and H.Nanjo
- 12P88 "S K-edge NEXAFS Study of Sulfur-containing Amino Acid L-cysteine on Transition Metal"
S.Yagi, K.Matsumura, Y.Nakano, E.Ikenaga, S.A.Sardar, K.Soda, K.Morita, E.Hashimoto and M.Taniguchi

- 12P89 "Investigation of Dielectric Virial Coefficients of Methoxy Acetic Acid"
M.B.R.Murthy
- *12P90 "Atomic Level Characterizations of Hydroxyapatite Films for Biomedical Applications"
M.Hamdi and A.M.Ektessabi
- 12P91 "The Model of Electrons Distribution and Correlation Properties of Surface"
O.G.Bakunin