ACSIN-9 Poster Sessions (Tentative)

12 Nov. (Monday)
Poster Session 1

Topic 4: Scanning Probe Microscopy

PS1- 1 Adsorption and diffusion behaviors of isolated water dimers on transition metal surface
Kenta Motobayashi, Chiba, Japan
PS1- 2 Energy Landscape of Biotin-Streptavidin Interactions Selectively Probed using Dynamic Force Spectroscopy
Atsushi Taninaka, Ibaraki, Japan
PS1- 3 Molecular dynamics simulation of compressed green fluorescent protein molecule by AFM tip
Katsunori Tagami, Tokyo, Japan
PS1- 4 Analysis of Stress Relaxation Processes of Living Cells Measured by AFM
Takaharu Okajima, Sapporo, Japan
PS1- 5 Enhancement in Alignment of CNT-STM Tips Grown by Microwave Plasma Enhanced Chemical Vapor Deposition Using Hydrogen Plasma
Fa-Kuei Tung, Nagoya, Japan
PS1- 6 Parametric excitation of piezoelectric cantilevers based on elasticity control
Tatsuya Tomita, Kyoto, Japan
PS1- 7 Development of modulation scanning tunneling microscope cathodoluminescence spectroscopy
Kentaro Watanabe, Tokyo, Japan
PS1- 8 Electro- and photoluminescence from semiconductor nanostructures by a transparent STM tip: spatial resolution and collection efficiency
Ilya Sychugov, Atsugi, Kanagawa, Japan
PS1- 9 STM-excited light emission from Au films on HOPG surface
Tiezhu Han, Osaka, Japan
PS1- 10 What can we observe by femtosecond time-resolved STM? - Carrier dynamics probed with ultimate spatial and temporal resolutions -
Yasuhiko Terada, Tsukuba, Japan
PS1- 11 Theoretical Study of Tip-Induced Band Bending and Local Tunneling Barrier Height on H-Terminated Si(100) Surface
Hideomi Totsuka, Tokyo, Japan
PS1- 12 Nanoscale Electrostatic Potential Variation in Semiconductor probed by Light Modulated Scanning Tunneling Spectroscopy
Shoji Yoshida, Tsukuba, Ibaraki, Japan
PS1- 13 A direct observation of nanosized contacts by STM
Keiichi Fujita, Kyoto, Japan
PS1- 14 Surface standing waves on Cu-9%Al(111)
Yinghui Yu, Tsukuba, Japan
PS1- 15 Real-Space observation of electronic structure in 2D Fe-nanodots on Au(111) by Scanning Tunneling Microscope
Hirotaka Inoue, Chiba , Japan
PS1- 16 Effect of Short Range Step-Step Interactions on Relaxation of Nano-scale Holes on SrTiO3(001)
Mahito Yamamoto, Osaka, Japan
PS1- 17 Electric Field Modulation Nano-spectroscopy of beta-FeSi2 Nano-dots
Nobuyasu Naruse, Tokyo, Japan
PS1- 18 Spatial fluctuations in the quality of ultrathin SiO2 films evaluated by electrical scanning probe microscopy technique
Atsushi Ando, Tsukuba, Japan
PS1- 19 Study of One-Dimensional Iron Silicide
Yutaka Ohira, Nagoya, japan
PS1- 20 Adsorption structure of palladium on Si(113) surface
Shinsuke Hara , Nagoya, Japan
PS1- 21 Adsorption structure of L-Tyrosine on Si(111)7x7 surface
Masashi Yoshimura, Ikoma, Japan
PS1- 22 Pt-induced structures on Si(110) studied by STM
Anton Visikovskiy, Nagoya, Japan
PS1- 23 Microstructure and local density of states of Ruthenium silicide on Si(001) surface
Masamitsu Toramaru, Yokohama City, Japan
PS1- 24 Investigation of C60 and C84 Molecules on a Si(111)-7x7 Surface with Scanning Tunneling Microscopy
Mon-Shu Ho, Taichung, Taiwan
PS1- 25 Formation of Ru silicide on Si(111) surface
Naoto Kobayashi, Yokohama, Japan
PS1- 26 Growth behavior of manganese germnide on Ge(001) surface
Howon Kim, Seoul, Korea
PS1- 27 Formation and control of comblike nanostructure on oxidized Mo(110) surface
Arifumi Okada, Nagoya, Japan
PS1- 28 Au diffusion on Ir(111) investigated by scanning tunneling microscopy
Jun Nakamura, Tokyo, Japan
PS1- 29 Multi-Atom Complexes Observed on the Surface of Cu(111)
Goo-Eun Jung, Seoul, Korea
PS1- 30 Ab initio study of a predicted step structure on Si(111)-2x1 surface
Takeo Hoshi, Tottori, Japan

Topic 6: Electronic Transport

PS1- 31 Molecular dynamics study on interfacial resistance of graphene nanoribbon junctions
Toru Takahashi, Tokyo, Japan

PS1- 32 Forces Induced by the Current On Adatoms on Metallic and semiconducting Carbon Nanotubes
Yvan Girard, Tokyo, Japan

PS1- 33 Transport Properties of Iron-porphyrin Complexes Sandwiched between Au Surfaces
Hisashi Kondo, Tsukuba, Japan

PS1- 34 Transient Inelastic Transport Behavior of Atomic Contacts: Tight-Binding Calculation Based on the von Neumann Equation
Koji Yamada, Tokyo, Japan

PS1- 35 The Effect of Redox States of Ligand-Supported Metal-Atom Chains on the Single-Molecular Conductance: an Electrochemical STM Study
Hao-Cheng Lu, Taipei, Taiwan

PS1- 36 Influence of impurities on electrical properties of atomic wire self-assembled on silicon surface
Takahide Shibasaki, Tokyo, Japan

PS1- 37 Conductance and structure changes at the very initial stage of K adsorption on Si(111)
Sakura Nishino Takeda, Nara, Japan

PS1- 38 Effect of surface state on carrier transport of nano sized TiSi2 islands
Yorinobu Maeda, Kyoto, Japan

PS1- 39 Periodic Orbit Scars in Time-evolution of Wave Packets in 2D Nanostructures
Masaki Nishikawa, Tokyo, JAPAN

PS1- 40 Numerical Studies of Electron Transfers in Two-Dimensional Multiple Quantum Dots
Hanako Kusumoto, Musashino, Japan

Topic 7: Nano-Magnetism

PS1- 41 Magnetic structures of exchange bias Ni/FeF2(110) interface
Yusuke Ishihama, Tsu , Japan

PS1- 42 Magnetic structures and magnetocrystalline anisotropy in bulk and thin film Fe3Pt
Hiroshi Suzuki, Tsu, Japan

PS1- 43 In-situ XMCD measurement system for ultrathin magnetic films at the soft X-ray beamline BL-14 of HiSOR
Masahiro Sawada, Higashi-Hiroshima, Japan

PS1- 44 Magnetotransport properties of epitaxial Fe3O4 layer on GaAs(001)
Tomoyasu Taniyama, Yokohama, Japan

PS1- 45 Spin filtering effect at epitaxial Fe/GaAs(001) Schottky interfaces
Eiji Wada, Yokohama, Japan

PS1- 46 Structural, magnetic, and optical properties of Zn1-xCoxO films prepared by rf sputtering and pulsed laser deposition
Changmin Lee, Daegu, Korea

PS1- 47 Reactive Ion Etching of FePt using Inductively Coupled Plasma
Tomomi Kanazawa, Tsukuba, Japan

PS1- 48 Gd adsorption on In-induced metallic surface superstructures on Si(111)
Yuto Niinuma, Tokyo, Japan

PS1- 49 Formation of ultrahigh density epitaxial Fe3Si nanodots on Si (111) substrates covered with ultrathin SiO2 films
Kenjiro Fukuda, Tokyo, Japan

PS1- 50 A sonochemical synthesis and characterization of La1-xSrxMnO3 perovskite nanoparticles
Do-Hyung Kim, Deagu, Republic of Korea

Topic 8: Nano-Photonics

PS1- 51 Waveguide Properties and Optical Switching in Prism-Coupled Au:SiO2 Nanocomposite Films
Kyeong-Seok Lee, Seoul, Korea

PS1- 52 Investigation of Theoretical Luminescence Spectra on Nitride Quaternary Alloys Double Quantum Wells
Eronides Da Silva JR, RECIFE - PE, Brazi

PS1- 53 Novel Photoactive Aggregates of Rhodamines: Switching between a Dequenched State and a Quenched State
Akihiro Tomioka, Osaka, Japan

PS1- 54 Carboxymethyl cellulose-assisted hydrothermal synthesis of PbS with nano and microcrystals
Sulawan Kaowphong, Chiang Mai, Thailand

PS1- 55 Blue-shift of Molecular Fluorescence from Porphyrin in STM with Bias
Hongwen Liu, Osaka, Japan

PS1- 56 The preparation of core-shell CdSe/ZnS quantum dot via pyrolysis reaction
Jongsung Kim, Seongnam-City, Korea

PS1- 57 Confocal Raman Spectroscopic Mapping Studies on a Single CuO Nanowire
Sheng Yun Wu, Hualien, Taiwan

Topic 10: Atomic and Molecular Manipulation

PS1- 58 Development of simulation package for atomic processes of ultra-large-scale system based on electronic structure theory
Hitoshi Nitta, Tokyo, Japan

PS1- 59 The role of two surface-bound vibrations in surface diffusion of CO/Cu(110)
Tomonari Okada, Wako, Saitama, Japan

PS1- 60 Nanoscale Pit and Metal Dot Formation on SiO2 Surface by STM
Takeshi Kitajima, Yokosuka, Japan

Topic 14: Carbon Nanotubes and Related Materials

PS1- 61 Giant Fullerenes formed on C60 Films irradiated with Electrons field-emitted from Scanning Tunneling Microscope Tips
Yoshiaki Nakamura, Tokyo, JAPAN

PS1- 62 Investigation of the properties of gold catalyst in SWCNT growth
Huaping Liu, Tokyo, Japan

PS1- 63 Growth of CNTs on the Ni/TiO2 Surface by Catalytic CVD Method
Yuki Aoki, Niigata, Japan
PS1- 64 Growth of Carbon-based Composite Materials by Hot-Filament Chemical Vapor Depositon
Hidejiro Chiba, Yokohama, Japan
PS1- 65 Formation of Carbon Nanotubes on a Polyimide Substrate by Chemical Vapor Deposition Method
Masato Shimanuki, Kitakyushu, Japan
PS1- 66 Influence by the difference of the vacuum degree to the growth of carbon nanotubes on silicon carbide surface
Junichi Yoshida, Kitakyushu, Japan
PS1- 67 Effects of Hydrogen and Oxygen Plasma Treatment on the Structural Properties of Carbon Nanotubes
Jae-Hyeong Lee, Kunsan, South Korea
PS1- 68 Growth Rate of Carbon Nanotubes Measured by In Situ Environmental Transmission Electron Microscopy
Yusuke Tanemoto, Osaka, Japan
PS1- 69 In-situ SEM Observation of Single Walled Carbon Nanotube Growth from Au Catalysts
Tomohito Chokan, Tokyo, Japan
PS1- 70 Chemical state of iron nanoparticle catalysts for single-walled carbon nanotube growth studied by in situ photoelectron spectroscopy
Fumihiko Maeda, Atsugi-shi, Kanagawa, Japan
PS1- 71 Enhancement of Field Electron Emission from Vertically Aligned Carbon Nanotubes with Various Content of Nitrogen
Yu-Hao Lai, Taipei, Taiwan
PS1- 72 Surface-Conduction Electron Emitter Display with Geometry Structure of Carbon Nanotube Emitter Arrays
Hon Vun Tong, Taipei, Taiwan
PS1- 73 Ion desorption from carbon nanotubes induced by soft X-ray illumination
Yutaka Mera, Tokyo, Japan
PS1- 74 Study of Hydrogen Adsorption on Single-walled Carbon Nanotubes
Jin-Hyo Boo, Suwon, Korea
PS1- 75 Study for adsorption of metal adatoms on CNT using the DFT calculation
Akira Ishii, Tottori-City, Japan
PS1- 76 Blirubin/Albumin Adosorption on Carbon Nanotube Surfaces for Medical Treatment
Keiichi Ando, Yokohama, Japan
PS1- 77 Infrared Absorption Spectroscopy Study on Protein Adsorption on Carbon Nanotube Surfaces
Akihiro Ueda, Yokohama, Japan
PS1- 78 Multiwalled carbon nanotubes with tunable mechanical properties
Yuan Chih Chang, taipei, Taiwan
PS1- 79 Characterization of Mechanical Properties of Suspended Carbon Nanotubes
Yuki Ono, Yokohama, Japan
PS1- 80 Manipulation of Carbon Nanotubes and Metal Nanoparticles using Atomic Force Microscope
Yuta Kashiwase, Yokohama, Japan

13 Nov. (Tuesday)
Poster Session 2

Topic 1: Surface/Interface Structures and Properties

PS2- 1 Theoretical study of the structural stability for 3C-SiC/Si(110)
Toru Kanno, Tsu, Japan
PS2- 2 New surface local structures formed on Si(111)-(7x7) by Tl deposition
Pavel Kocan, Kasuga, Japan
PS2- 3 Direct observations of Si adatom and dimer atom from O atoms inserted in backbonds by Auger electron diffraction
Takashi Narikawa, Ikoma, Japan
PS2- 4 ARPES measurements on Si(111) hole subband induced by Ga adsorption
Makoto Morita, Ikoma , Japan
PS2- 5 Structural study of Si(111)-5x2-Au by surface X-ray diffraction
Yusaku Iwasawa, Kashiwa, Japan
PS2- 6 Study of the interface structure of iron silicide on Si(111) with crystal-truncation rod scattering
Kouji Sekiguchi, Kashiwa, Japan
PS2- 7 Surface Structure Analysis of Metal adsorbed Si(111) Surfaces by Patterson Function with LEED I-V Curves
Takuma Kuzushita, Kobe, Japan
PS2- 8 An ab initio-based approach to phase diagram calculations for GaAs(001)-(2x4)gamma surfaces
Tomonori Ito, Tsu, Japan
PS2- 9 Formation of ultrahigh density GaSb nanodots on Si substrates covered with ultrathin SiO2 films
Tomohiro Sugimoto, Tokyo, Japan
PS2- 10 Theoretical study of miscibility for GaNxAs1-x on V-grooved substrates
Naoki Takasu, Tsu, Mie, Japan
PS2- 11 Theoretical investigations on the formation of wurtzite segments in group III-V semiconductor nanowires
Tomoki Yamashita, Tsu, Japan
PS2- 12 Theoretical investigation on structural stability of InN thin films on 3C-SiC(001)
Takumi Ito, Tsu, Japan
PS2- 13 Phase stability in substitutionally Mn-doped GaAs: role of lattice constraint
Kohji Nakamura, Tsu, Japan
PS2- 14 Theoretical investigations of initial growth processes on GaAs(111)B-(2x2) surfaces
Hiroaki Tatematsu, Tsu, Japan
PS2- 15 Theoretical investigations for zinc blende-wurtzite polytypism in GaAs layers at Au/GaAs(111) interfaces
Yuya Haneda, Tsu, Japan
PS2- 16 Nitridation of sapphire surface by Plasma-Assisted Molecular Beam Epitaxy
In Ho Im, Sendai Miyagi, Japan
PS2- 17 Investigation of the heterointerface formation of GaSb films grown on ZnTe templates by MBE
Woong Lee, Pusan, Republic of Korea
PS2- 18 Formation of atomically flat diamond (111) surfaces
Norio Tokuda, Tsukuba, Japan
PS2- 19 Effect of H2 and O2 plasma etching treatment on the surface of diamond-like carbon thin film
Deok Yong Yun, Suwon, South Korea
PS2- 20 Development of Theoretical Method for Optimizing of Polymer Electrolyte Fuel Cell Electrode
Tatsuya Hattori, Sendai, Japan
PS2- 21 Aluminium Adsorption on the Ir(111): A First Principle Study
Hong Zhang, Chengdu, China
PS2- 22 Deposition of Nanoparticles with Double-Layer Interactions: An Integral Equation Theory
Panu Danwanichakul, Pathumthani, Thailand
PS2- 23 Flexible structure of alumina at the interface observed by RHEED
Michiko Yoshitake, Tsukuba, Japan
PS2- 24 Atomic orbitals and photoelectron intensity angular distribution patterns of MoS_2 valence band
Zsuzsa Janosfalvi, Ikoma, Japan
PS2- 25 Birefringence measurements of MnPc thin film by polarization microscopy
Tsutomu Hashimoto, Tokushima, Japan
PS2- 26 Composite TiO2-SnO2 Thin Films Prepared by Spin-Coating With High Photocatalytic Performance
El-Maghraby Mohamed, Assiut, Egyp
PS2- 27 One-dimensional Atomic and Electronic Structures of Submonolayer Potassium Deposited on Stepped Ni(755) Surface
Koji Ogawa, Kusatsu, Japan
PS2- 28 The annealing effect on tribological and structural properties of Ti doped a-C:H films prepared by CFUBM sputtering method
Hyung Jun Cho, Suwon, Korea
PS2- 29 Mesoporous PdO/CeO2 Nanopowder: Crystalline Structure, Properties and Thermal Analysis Studies
Abdul Hadi Zainal, Kuala Lumpur, Malaysia
PS2- 30 Palladium Clusters on on Alumina/Cu-9%Al(111): Growth and Thermal Stability
Weijie Song, Ningbo, P. R. China
PS2- 31 Magnetic structures in monatomic Co and Fe wires on Pt(111) surface step edge
Makoto Kadota, Tsu, Japan
PS2- 32 Behavior of the reemitted slow positron on hydrogen-adsorbed Ni (111) surface
Koji Hirota, Tokyo, Japan

Topic 2: Thin Film Growth and Application

PS2- 33 Growth and Characterization of Aluminum-doped Zinc Oxide by Atomic Layer Deposition
Chi-chung Kei, Hsinchu, Taiwan, R.O.C
PS2- 34 High quality ZnO growth on (0001)Al2O3 using Cr2O3 buffer layer by plasma assisted molecular beam epitaxy
Jinsub Park, Sendai, Japan

PS2- 35 Development of Cr-doping Particles into ZnO Micro-Nano Crystals on Sapphire (0001) Substrate
Keiichi Shimoda, Nagaoka, Japar
PS2- 36 Growth Orientation and Surface Morphology Temperature Dependence of Li-doped ZnO Thin Films on SiO2/Si Substrates
El-Maghraby Mohamed, Assiut, EGYPT
PS2- 37 Influence of hydrogen incorporation on the properties of ZnO:Al films deposited on polyimide substrate by r.f. magnetron sputtering
Jae-Hyeong Lee, Kunsan, South Korea
PS2- 38 Effects of surface texturing on electrical and optical properties of sputtered ZnO:Al films for solar cell applications
Jae-Hyeong Lee, Kunsan, South Korea
PS2- 39 Incorporation kinetics of nitrogen atoms into MBE grown ZnO films
Seunghwan Park, Sendai, Japan
PS2- 40 High Density SiO2 Thin films Formed by Photo-Oxidation
Atsuyuki Fukano, Ibaraki, Japan
PS2- 41 A STM study of Ge epitaxial growth on Si(111)√ 3x √ 3-B substrates
Tsuka Sekiguchi, Yokohama, Japan
PS2- 42 A competition between quantum effect and kinetic processes in Ag thin Film growth on Si(111)7x7 substrates
Masaru Miyazaki, Yokohama, Japan
PS2- 43 Large Area Microcrystalline Si Films Grown by Electron Cyclotron Resonance Chemical Vapor Deposition at Low Temperature
Chung-Chun Huang, Tao-Yuan, R.O.C
PS2- 44 Preparation of boron doped uc-Si:H films by ICP-CVD and their characteristics for solar cell applications
Chaehwan Jeong, Gwangju, Korea
PS2- 45 DC and RF Characteristics of HfO2 in Metal-Insulator-Metal Capacitor
Jeong Seok-Won, Suwon Kyeonggi-do, Kore
PS2- 46 Characteristics of Hafnium Silicate Films Deposited on Si by Atomic Layer Deposition Technique
Roh Yonghan, Suwon , Korea
PS2- 47 Growing SnO2 Films by MBE Method
Shunichi Hishita, Tsukuba, Japan
PS2- 48 The Coloration of Tungsten-oxide Film by Impurity Doping and Its Mechanism
Ryuji Sato, Tokyo, Japan
PS2- 49 Preparation and electric properties of Cr2O3 gate insulator embedded Fe dot
Takaaki Kuribayashi, Nagoya, Japan
PS2- 50 Electrochemical deposition on a hexagonally patterned aluminum substrate for the formation of nanowires and nanoparticles
Jinsub Choi, Seoul, Korea
PS2- 51 Growth simulation of GaN(0001) homoepitaxy based on the DFT calculation
Akira Ishii, Tottori-City, Japan
PS2- 52 HVPE GaN grown on vicinal sapphire (0001) substrates with CrN buffer layer
Hyo Jong Lee, Sendai, Japar
PS2- 53 Atomistic Nitriding Processes of Titanium Thin Films due to Nitrogen-Implantation
Yoshitaka Kasukabe, Sendai, Japan
PS2- 54 Effects of rf graded ratio on the microstructure and morphology of gradient TiN films produced by rf-reactive magnetron sputtering
Chao-Te Lee, Hsinchu, Taiwar
PS2- 55 MOCVD growth of various SiC nanostructures
Shuhei Takao, Toyonaka, Japan
PS2- 56 Structure and Morphology of CuPc/F16CuPc p-n Heterojunction
Rongbin Ye, Morioka, Japan
PS2- 57 Nanohardness and resistivity of Au and Au-V solid solution thin films sputtered on Si wafers
Suparut Narksitipan, Chiang Mai, Thailand
PS2- 58 Low-k hybrid polymer thin films and their electrical and mechanical properties
Sang Jin Cho, Suwon, Korea

Topic 3: Reaction and Dynamics

PS2- 59 TiSi2-catalyzed nanowires and nanoparticles formed from TiO2 nanonots utilizing silicon doping
Sang-Won Jee, Ansan, Korea
PS2- 60 In- situ monitoring of nucleation and evolution of Ge nanodots on faintly oxidized Si(111) surfaces
Sung-Pyo Cho, Nagoya, JAPAN
PS2- 61 Computational Chemistry Study on Formation Dynamics and Frictional Property of MoS2 Tribofilm
Yusuke Morita, Sendai, Japan
PS2- 62 A Theoretical Investigation on the Wear Prevention Mechanism of ZDDP Boundary Lubricating Film
Tasuku Onodera, Sendai, Japan
PS2- 63 Model study of Eliashberg function
Akihiro Nojima, Tokyo, Japan
PS2- 64 5043 Suzuki SO3 adsorption and dissociation on the electrode in the electrolysis
Chikashi Suzuki, Ibaraki, Japan
PS2- 65 Tight-Binding Quantum Chemical Molecular Dynamics Study on Oxygen Reduction Reaction of Polymer Electrolyte Fuel Cell Electrode
Huifeng Zhong, Sendai, Japar
PS2- 66 Temperature Dependence of the Oxidation-Induced Strain at SiO2/Si(001) Interface Studied by XPS Using Synchrotron Radiation
Shuichi Ogawa, Sendai, Japar
PS2- 67 Electron-stimulated reaction process on Si(001)-(2x1) studied with optical reflectance spectroscopic methods
Shinya Ohno, Yokohama, Japan
PS2- 68 The intermediates of Thermal Decomposition of 1,3-Disilabutane to Silicon Carbide on Si(100) Surface
Hae-geun Jee, Suwon, Rep. of Korea
PS2- 69 Analysis of NO reduction mechanism on the precious metal catalyst using tight-binding quantum chemical molecular dynamics method
Sunho Jung, Sendai, Japan
PS2- 70 Hydrogen-Assisted Reduction of Oxidized Ni (110) Surfaces Studied by Metastable-Induced Electron Spectroscopy
Tomonori Ikari, Ube, Japan
PS2- 71 Ortho-para Conversion of hydrogen molecules on Cr2O3-Effect of external magnetic field
Yuta Motoshima, Tokyo, Japan

PS2- 72 The Electronic Structure and Reactivity of the Oxygen-Modified Mo2C(0001) Surface
Kazuyuki Edamoto, Tokyo, Japan

PS2- 73 STM observation of oxygen adsorption on clean Cu(001) surface at low temperatures
Kazuma Yagyu, Chiba-ken Kashiwa-city, Japan

PS2- 74 Theoretical Investigation of Ethylene/1-Butene Copolymerization process using Constrained Geometry Catalyst - (CpSiH2NH)-Ti-Cl2
Hema Malani, Sendai, Japan

PS2- 75 Density functional theory -based calculations on the reactive ion etching (RIE) process model for TiO2(anatase) thin film
Hirofumi Kishi, Osaka, Japan

PS2- 76 Surface structure and phase transition of Ge(111)-3x3-Pb studied by reflection high-energy positron diffraction
Yuki Fukaya, Takasaki, Japan

PS2- 77 Structural phase transition of quasi-one-dimensional In chains on Si(111) surface studied by reflection high-energy positron diffraction
Mie Hashimoto, Takasaki, Japan

PS2- 78 Chitin-Humic Acid Hybrid as Adsorbent for Cr(III) in Effluent of Tannery Wastewater Treatment
Sri Juari Santosa, Yogyakarta, Indonesia

14 Nov. (Wednesday)
Poster Session 3

Topic 5: Surface Microscopy

PS3- 1 Damaged-layer formation in specimen preparation for atom probe tomography by FIB fabrication
Teruyuki Kinno, Kawasaki, Japan

PS3- 2 Characterization of diamond-like carbon produced by plasma deposition
Somchai Thongtem, Chiang Mai, Thailanc

PS3- 3 Atomically Controlled Surfaces with Step and Terrace of b-Ga2O3 Single Crystal Substrates for Thin Film Growth
Shigeo Ohira, Sizuoka, Japan

PS3- 4 Dynamic observation of the growth process of Ag on In/Si (111), and the chemical analysis by selected area XPS, SR-XPEEM
Yoshiaki Matsuoka, Neyagawa, Japan

PS3- 5 Observation of the growth process of Sb on In/Si (111) by the SR-XPEEM
Masato Ueda, Neyagawa, Japar

PS3- 6 Blur of XPEEM Image by Stochastic Coulomb Interaction
Tsuneo Yasue, Osaka, Japan

Topic 9: Nano-Biotechnology

PS3- 7 Selective Adsorption of Proteins on Sapphire Surfaces
Takayuki Ikeda, Yokohama, Japan

PS3- 8 STM observation of the adsorption structure of double-stranded DNA
Naoya Yoshimura, Fukuoka, japan

PS3- 9 Direct imaging of ionotropic glutamate receptor proteins using fast-scanning atomic force microscopy
Youichi Shinozaki, Kanagawa, Japan

PS3- 10 Morphology of Porous Alumina Surfaces Prepared by Anodic Oxidation
Takahiro Tsukamoto, Yokohama, JAPAN

PS3- 11 Preparation of CoS and NiS Quantum Dots Using Dendrimer Templates
Ik Joong Kang, Sungnam, Republic of Korea

PS3- 12 Effects of Na+ and K+ on the Molecular Arrangement of Tetragonal Thaumatin Crystals (110) Surface
Nobuyasu Hori, Ibaraki, Japan

PS3- 13 Selectivity Improvement in Protein Patterning with Hydroxy-Terminated Self-Assembled Monolayer Template
Takeo Miyake, Tokyo, Japan

PS3- 14 XPS and KPFM studies of ferritin cores reduced by low-energy ion beam irradiation
Shin-ichi Yamamoto, Kobe, Japar

PS3- 15 The preparation of IgG sensing media with CdSe/ZnS Qdots and AlexaFluor fluorophores
Young Joo Na, Seongnam-City, Korea

PS3- 16 Functionalized carbon nanotubes for biomedical application
Anastasia Vyalikh, Dresden, Gernamy

PS3- 17 Optimization of Zero-Mode Waveguide for Single Molecule Imaging by Computational Optics Simulation
Rena Akahori, shinjyuku-ku, Japan

PS3- 18 Biocompatibility of functionalized porous silicon for immunosensor application
Shalini Singh, New Delhi, India

Topic 11: Molecular Assembly and Self-Organization

PS3- 19 Crystallization of Ga droplets using an intense As flux in droplet epitaxy
Takaaki Mano, Ibaraki, Japan

PS3- 20 Magic planar Ag clusters
Ya-Ping Chiu, Kaohsiung , Taiwar

PS3- 21 Growth and Characterization of ZnSe/CdSe/ZnSe quantum dots fabricated by using an alternate molecular beam supplying method
Masakazu Ii, Okayama, Japan

PS3- 22 New nanostructure materials derived from Mo6S2I8 nanowires
Ales Mrzel , Ljubljana, Slovenia

PS3- 23 Ion-induced Self-organized Ripple Patterns on Graphite and Diamond Surfaces
Katsumi Takahiro, Kyoto, Japan

PS3- 24 Si (111) (7x7) to (1x1) phase transition on the vicinal surface: A density matrix renormalization group study
Noriko Akutsu, Osaka, Japan

PS3- 25 Valence Electronic Structure of the Cu Clusters on the Zn-terminated ZnO(0001) Surface
Kenichi Ozawa, Tokyo, Japan

PS3- 26 Growth and characterization of ZnO nanowires on various substrates with and without catalysts
Seok Cheol Choi, Daegu, Korea

PS3- 27 Effect of Surface Preparation on the Morphology of ZnO Nanorods
Sangwoo Lim, Seoul, Korea

PS3- 28 Morphologies of Poly(vinylpyridines) Films and UV-irradiation Effects
Satoko Nishiyama, Saitama, Japan

PS3- 29 Fabrication of High-Density Nanoetchpit Array by Electron Beam Lithography Using Alkylsilane Monolayer Resist
Meiki Nakamoto, Tokyo, Japan

PS3- 30 Preparation of submicron dots by laser photo-polymerization process
Yuriy Pihosh, Tsukuba, Ibaraki, Japan

PS3- 31 Lateral Conduction for Thiophen Molecules Incorporated into Chemically Adsorbed Monolayer
Shin-ichi Yamamoto, Kobe, Japar

PS3- 32 Formation of porous niobium oxide based on anodization: effects of electrolytes and annealing
Jinsub Choi, Seoul, Korea

PS3- 33 Effect of Salty Water and Temperature in Surface Dynamics and Stability of Self-Assembly Small Aggregates
Acep Purqon, Kanazawa - Ishikawa, Japar

PS3- 34 Interface Structure of an Organosilane Monolayer/SiO2 Substrate; a Grand Canonical Monte Carlo Simulation Study
Hideaki Yamamoto, Shinjuku-ku, Tokyo, Japan
PS3- 35 Mixed monolayer of cholesterol and thiocholesterol
Raj Kumar Gupta, Pilani, India
PS3- 36 Selective Adsorption of Protein onto Plasma Polymer for Micropatterning Formation
Naoya Murata, Tokyo, Japan

Topic 12: Organic Thin Film Devices

PS3- 37 First Principles Study of Self-Assembled Monolayers at the interface between Metal and Organic Semiconductor
Yuji Suwa, Kokubunji-shi, Tokyo, Japan
PS3- 38 Influences of different exciton blocking layers on the performance of organic photovoltaic devices
Shiu Lun Larry Lai, Hong Kong, Hong Kong
PS3- 39 Enhanced electrical properties of pentacene based organic thin-film transistors by modifying the gate insulator surface
Mei Yee Chan, Hong Kong, Hong Kong
PS3- 40 XPS study of interface layer structure of Mo oxides between P3HT-PCBM and indium tin oxide in bulk-heterojunction solar cells
Yoshinori Horii, Tottori, Japan
PS3- 41 Thin film growth and electrical properties of organic thin film transistors based on TTCDI-5C molecules
Matthieu Petit, Tsukuba, Japan
PS3- 42 Influence of Surface Chemical Structure of Substrate on Carrier Density of Organic Semiconductor Thin Films
Ken-ichi Ishikura, Chiba city, Japan
PS3- 43 Brightness of green organic light-emitting diode depend on thick of organic layers and LiF/Al cathodes
Anuchit Jaruwanawat, Bangkok, Thailand
PS3- 44 Comparative analysis on surface structure of composite films of dimyristoyl- phosphatidylcoline and bacteriorhodopsin fabricated on fatty acid film by FTIR reflection absorption spectroscopy
Jun Matsumoto, Akita, Japan
PS3- 45 Highly condensed biomimetic curved film structure of dimyristoylphosphatidylcoline on retinoic acid film
Keigo Furuya, Akita, Japan

Topic 13: Nano-Electronics and Molecular-Based Devices

PS3- 46 Charge Difference Effect of DNA on Attachment Characteristics of Gold Nanoparticles to poly-DNAs
Jong-Su Kim, Suwon, Republic of Korea
PS3- 47 Fabrication of DNA's Crossed-patterns by Using Contact Printing
Ji Hye Lee, Suwon, Republic of Korea
PS3- 48 Electronic Conductivity of Au Clusters Functionalized by Ligand-Supported Metal-Atom Chains
Chun-Ting Kuo, Taipei, Taiwan
PS3- 49 Atomic and electronic structures of coumarin dyes adsorbed on TiO2 surface: First-principles calculations
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