# MATERIAL RESEARCH

Tuesday, July 24, 11:00 – 12:30

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| vuvABS398 | Dr. | Michele | Bertolo | Cross-sectional photoemission microscopy of semiconductor heterostructures |
| vuvABS453 | Dr. | Michael | Zharnikov | SPECTROSCOPIC CHARACTERIZATION OF ELECTRON AND X-RAY INDUCED DAMAGE IN SELF-ASSEMBLED MONOLAYERS |
| vuvABS455 | Dr. | Michael | Zharnikov | XPS AND NEXAFS SPECTROSCOPY STUDY OF THIOAROMATIC SELF-ASSEMBLED MONOLAYERS ON NOBLE METAL SUBSTRATES |
| vuvABS521 | Dr. | Chongmu | Lee | Cu contaminants removal using UV/O3 and remote hydrogen plasma |
| vuvABS733 | Prof. | Norbert N. | KRISTIANPOLLER | EFFECTS OF VUV IRRADIATION IN INSULATING CRYSTALS |
| vuvABS776 | Dr. | Hyun-Joon | Shin | Study of P-type Photoluminescent Porous Silicon upon Annealing in Vacuum |
| vuvABS784 | Dr. | Yasuji | Muramatsu | O K X-ray absorption spectra of condensed aromatic compounds having varions oxygen functional groups |
| vuvABS810 | Prof. | Shoichi | Kubodera | Deoxidization of a SiO2 layer by irradiating incoherent vacuum ultraviolet excimer emission |
| vuvABS811 | Dr. | Vladimir | Makhov | Luminescence properties of Gd-based compex fluoride crystals doped with Er3+ and Tm3+ as promising materials for VUV-excited phosphors |
| vuvABS878 | Prof. | Wendy | Flavell | Electronic Structure and Reactivity of TM-doped La1-xSrxCoO3 (TM=Ni, Fe) Catalysts |
| vuvABS908 | Prof. | Chaoshu | Shi | Luminescence properties of Gd2SiO5 doped with Eu3+ in the UV-VUV region |
| vuvABS917 | Ms. | Ki-jeong | Kim | Initial stage of nitridation on Si(100) surface using low-energy nitrogen ion |
| vuvABS921 | Dr. | Sukmin | Chung | The optimal formation condition of chromium oxide thin film on stainless-steel surface |
| vuvABS923 | Mr. | Chung Li | Dong | X-ray absorption spectroscopy studies of CeAl2 thin films |
| vuvABS927 | Dr. | Ramana | Rao | Polarized XANES Studies in Zn-Doped GaN Thin Films |
| vuvABS930 | Prof. | Way-Faung | Pong | The electronic and atomic structures of the exchange-biased NiFe-FeMn bilayers |
| vuvABS937 | Prof. | Aleksandr | Lushchik | Control of excitonic and electron-hole processes in wide-gap crystals by means of elastic uniaxial stress |

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| vuvABS961 | Mr. | Tai-Hee | Kang | Selective Cleavage of Functional Groups in the Substituted Organic Monolayers by Synchrotron Soft X-ray |
| vuvABS974 | Mr. | Joselito | Labis | PEEM AND SXES CHARACTERIZATION ON SURFACE AND INTERFACE OF TRANSITION METALS/SiC SYSTEM |
| vuvABS981 | Dr. | Kazutoshi | Takahashi | Photo-induced phase transition of spin-crossover complex studied with the combination of SR and laser |
| vuvABS1014 | Prof. | Masao | Kamada | Photoelectron spectroscopic study on core-exciton decay in Auger-free luminescence material $BaF_2$ |
| vuvABS1062 | Dr. | Christian | Ziethen | Photoemission- spectromicroscopy of a-C and $C_{1-x}N_x$ hard disk coatings |
| vuvABS1097 | Dr. | Masaki | Mizuguchi | PHOTOEMISSION STUDY OF NOVEL HALF-METAL;ZINC BLENDE CrAs |
| vuvABS1098 | Dr. | Koji | Okudaira | Photodegradation of poly(tetrafluoroethylene) and poly(vinylidene fluoride) thin films by inner shell excitation |
| vuvABS1108 | Dr. | Hitoshi | Sato | Mn 3p-3d Resonant Inverse-Photoemission Spectroscopy of NiAs-type MnTe |
| vuvABS1192 | Dr. | Colm | McGinley | ELECTRONIC PROPERTIES OF TIN DIOXIDE SEMICONDUCTOR NANOPARTICLES STUDIED BY PHOTOELECTRON SPECTROSCOPY |
| vuvABS1196 | Dr. | Takeo | EJIMA | Total Electron Yield of Multilayers - Extension of Pepper's Method - |
| vuvABS1197 | Mr. | Kai | Rossnagel | ANGLE-RESOLVED PHOTOELECTRON SPECTROSCOPY AT HIGH PHOTON ENERGIES |
| vuvABS1218 | Dr. | Libor | Juha | ABLATION OF POLYMETHYLMETHACRYLATE BY A SINGLE PULSE OF SOFT X-RAYS EMITTED FROM Z-PINCH AND LASER-PRODUCED PLASMAS |
| vuvABS1261 | Dr. | Elena | Savchenko | Thermally Assisted Emission of Electrons and VUV Photons from Irradiated Rare Gas Solids |
| vuvABS1283 | Prof. | Alexander | Vinogradov | X-ray absorption evidence for the back-donation in iron cyanide complexes |
| vuvABS1287 | Dr. | Kazunori | Umishita | ELECTRONIC STRUCTURES OF CARBON MATERIALS CONTAINING MULTIWALL CARBON NANOTUBES STUDIED BY PHOTOELECTRON SPECTROSCOPY |

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| vuvABS1289 | Dr. | Jeong Won | Kim | High resolution photoemission study of nitrogen chemical bonding in ultrathin Si oxynitride on Si(100) |
| vuvABS1298 | Dr. | Kanta | Ono | DOMAIN IMAGING OF SMALL MAGNETIC DOTS ARRAY BY PHOTOELECTRON EMISSION MICROSCOPE |
| vuvABS1302 | Prof. | chaoshu | Shi | The dynamics properties on luminescence of CeF3 crystals |
| vuvABS1307 | Dr. | Kanta | Ono | HIGH-RESOLUTION SURFACE CORE-LEVELS OF InAs ON GaAs(001) SUBSTRATES |
| vuvABS1318 | Dr. | Thomas | Chasse | X-ray photoelectron diffraction studies on epitaxial growth of sulfide films and self-assembled dots |
| vuvABS1337 | Dr. | Tobias | Funk | XMCD on paramagnetic V-compounds and metalloproteins |
| vuvABS1341 | Prof. | Kazuhiko | Seki | ELECTRONIC STRUCTURES OF SYSTEMS FORMED FROM C AND F STUDIED BY UPS, VUV OPTICAL SPECTROSCOPY, AND NEXAFS: POLY(HEXAFLUORO-1,3-BUTADIENE) [C(CF3)=C(CF3)]n, FLUORINATED GRAPHITES(CF, C2F AND C6F), PERFLUOROALKANES n-CnF2n+2, POLY(TETRAFLUOROETHYLENE) (CF2)n, AND FLUORINATED FULLERENES (C60Fx AND C70Fx) |
| vuvABS1347 | Dr. | Kanta | Ono | HIGH-RESOLUTION PHOTOEMISSION STUDIES ON InAs(001)-c(4x4) SURFACE RECONSTRUCTIONS |
| vuvABS1353 | Dr. | Luca | Lozzi | HIGH SPATIAL RESOLUTION SOFT X-RAY PHOTOEMISSION STUDY OF WO3 THIN FILMS |
| vuvABS1363 | Mr. | Chris | Glover | STRUCTURE OF AMORPHOUS SILICON INVESTIGATED BY EXAFS |
| vuvABS1368 | Dr. | Thomas | Chasse | X-ray absorption near edge structure and photoemission investigations of nitrided AIII-BV semiconductor surfaces |
| vuvABS1369 | Mr. | Achim | Schoell | Crystallinity dependence of the high resolution near edge X-ray absorption fine structure spectra of polyethylene |
| vuvABS1381 | Prof. | Miguel | Abbate | ELECTRONIC STRUCTURE AND METAL-INSULATOR TRANSITION OF LaNiO3-d |
| vuvABS1403 | Prof. | Alexander | Soldatov | ELECTRONIC STRUCTURE OF MGS, MNS, FES, AND CAS: SOFT X-RAY ABSORPTION STUDY |

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| vuvABS1412 | Dr. | Jinghua | Guo | Soft-x-ray spectroscopic study of solvent-ligand exchange in Fe3+ water solutions |
| vuvABS1421 | Dr. | Rainer | Fink | VIBRATIONALLY RESOLVED NEXAFS SPECTRA OF LONG-RANGE ORDERED ORGANIC THIN FILMS |
| vuvABS1425 | Dr. | Art | Nelson | Photoemission and Photoabsorption Investigation of the Electronic Structure of Ytterbium Doped Strontium Fluoroapatite |
| vuvABS1434 | Dr. | Maria | MARTINS ALVES | STRUCTURAL AND ELECTRONIC PROPERTIES OF COPPER AND COBALT MICRO-CRYSTALLITES IN A CONDUCTING POLYMER |
| vuvABS1440 | Dr. | Jonder | Morais | SURFACE AND INTERFACE INVESTIGATION IN NANOMETRIC DIELECTRIC FILMS ON Si AND ON SiC |
| vuvABS1447 | Dr. | Takeshi | Kanashima | Burst Reaction of Thin Films Excited by High-Flux Soft-X-Rays |
| vuvABS1461 | Dr. | Tony | van Buuren | Electronic Structure of MoS2 clusters using X-ray Absorption and Emission Spectroscopes |
| vuvABS1464 | Dr. | Daisuke | Yoshimura | Intramolecular energy-band dispersion in oriented thin film of n-CF3(CF2)22CF3 observed by angle-resolved UV photoemission and its theoretical simulation |
| vuvABS1476 | Dr. | Hiroshi | Kondoh | XAFS AND PHOTOELECTRON DIFFRACTION STUDIES OF ALKANETHIOL SELF-ASSEMBLED MONOLAYER FILMS ON NOBLE METALS |
| vuvABS1542 | Dr. | Yoshihisa | Harada | TEST MEASUREMENTS ON THE SOFT-X-RAY EMISSION AT THE Fe L-EDGE OF MYOGLOBIN SOLUTION |
| vuvABS1557 | Dr. | Stefan | Heun | MORPHOLOGY AND CHEMISTRY OF S-TREATED GaAs(001) SURFACES |
| vuvABS1558 | Dr. | Nikolai | Alov | Analysis of phase composition of surface oxides using X-ray photoelectron spectral line shapes |
| vuvABS1568 | Mr. | Takahiro | YOKOYAMA | THE EFFECT OF LiF LAYER ON AL/LiF/ALQ3 INTREFACES STUDIED WITH ELECTRON |
| vuvABS1651 | Dr. | Sigrid | Bernstorff | STRUCTURAL CHANGES IN ANNEALED, HYDROGEN IMPLANTED MONOCRYSTALLINE SILICON |
| vuvABS1665 | Dr. | Maddalena | Pedio | SiC(100) ORDERED FILMS GROWTH BY C60 DECOMPOSITION ON Si(100) SURFACES |

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| vuvABS1720 | Prof. | Alexander | Soldatov | LOCAL GEOMETRY AND ELECTRONIC STRUCTURE OF BOROSILICATE GLASSES: X-RAY ABSORPTION FINE STRUCTURE ANALYSIS |
| vuvABS1763 | Dr. | Takayuki | Muro | SOFT X-RAY PHOTOEMISSION STUDY OF Ni, Pd AND Pt |
| vuvABS1768 | Dr. | Satoru | Suzuki | Effects of air-exposure and Cs-deposition on the electronic structure of multi-walled carbon nanotubes |
| vuvABS1770 | Dr. | Frithjof | Nolting | SOFT X-RAY ABSORPTION SPECTROSCOPY OF SINGLE NANOCRYSTALS |
| vuvABS1776 | Dr. | Toshihiro | Okajima | Soft X-ray absorption spectra of lithium phthalocyanine radical |
| vuvABS1783 | Prof. | Arisato | EJIRI | VUV PHOTOELECTRON DYNAMICES IN PURE CESIUM HALIDES AND IMPURITY (Tl AND Na) DOPED CsI; ABSOLUTE PHOTOEMISSION TOTAL YEILD,AUGER FREE LUMINESCENCE AND STE LUMUNESCENCE. |
| vuvABS1786 | Dr. | Monica | de Simone | Electronic Structure of Transition Metal Oxochlorides |
| vuvABS1795 | Dr. | Pavo | Dubcek | GISAXS STUDY OF CADMIUM SULFIDE QUANTUM DOTS |
| vuvABS1797 | Mr. | Alexei | Lebedev | VUV Optical Investigations of Carbon-Deuterium Films Produced in Tokamak-10 Plasma. |
| vuvABS1815 | Prof. | Vitaly | Mikhailin | Investigation of scintillators for medical and high energy physics applications using VUV and XUV synchrotron radiation |
| vuvABS1817 | Dr. | Igor | Shpinkov | Reflectivity and luminescence excitation of barium fluoro-halides doped with Eu in the fundamental absorption region. |
| vuvABS1871 | Ms. | Anna | Zimina | Depth resolved soft X-ray emission spectroscopy of Si-based materials |
| vuvABS1872 | Mr. | Dmitry | Spassky | Polarization properties of synchrotron radiation in the study of anisotropic insulating crystals. |
| vuvABS1877 | Dr. | Libuse | Pajasova | OPTICAL PROPERTIES OF HEAT TREATED GLASSY CARBON |
| vuvABS1885 | Dr. | Tatiana | Ivanova | X-Ray Photoelectron Spectroscopy and Ultra Soft X-Ray Spectroscopy of the Multilyer X-Ray Mirrors |
| vuvABS1894 | Dr. | Raffaele Giuseppe | Agostino | Intermetallic Alloys surface studied by spectromicroscopy |
| vuvABS1897 | Dr. | Irina | Kamenskikh | Time-resolved luminescence spectroscopy of some Hf compounds in the VUV range |

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| vuvABS1926 | Dr. | Clemens | HESKE | X-RAY EMISSION SPECTROSCOPY OF A LIQUID-SOLID INTERFACE: WATER AND THE CU(IN,GA)(S,SE)2 SURFACE |
| vuvABS1952 | Ms. | Liudmila | Makarova | EMPLOYMENT OF XPS METHOD FOR STUDYING THE CARBON CLUSTER SYSTEMS OBTAINED BY THE METHOD OF LOW-ENERGY SYNTHESIS. |
| vuvABS1957 | Dr. | Francesco | BRUNO | Cu3Au(001) surface relaxation probed by Surface Core Level Shift X-Ray Photoelectron Diffraction. |