

October 6th (oral)

Plenary Chair: Marc Simon

8:45 – 10:05

8:45 PL1 Maria Novella Piancastelli

Atomic and molecular physics at the new sources: the future is bright

9:25 PL2 Akiyoshi Hishikawa

Visualizing ultrafast chemical reactions by intense few-cycle laser pulses

[6N] Dynamics I

Chair: Paul Morin

10:30-11:50

10:30 6N01[Invited] Michael Meyer

Two-Color Experiments in the Gas Phase at FLASH

11:00 6N02[Invited] Philippe Wernet

Real-time evolution of the valence orbitals in dissociating molecules as revealed by femtosecond photoelectron spectroscopy

11:30 6N03 Toshinori Suzuki

Ultrafast internal conversion and photoionization dynamics via time-energy mapping of photoelectron angular distributions

[6N] Atoms and Molecules

15:30-16:50

Chair Uwe Becker

17:20-18:40

15:30 6N11[Invited] Masakazu Yamazaki

3D mapping of core-level photoemission from a single oriented H₂O molecule

16:00 6N12[Invited] Catalin Miron

Multi-channel quantum interference and wave function mapping phenomena probed by high-resolution resonant Auger scattering spectroscopy and ab initio modeling

16:30 6N13 Kevin Prince

Tautomerism of free DNA bases

[6R] Diffraction and Holography

Chair: Michel A. Van Hove

10:30-12:00

10:30 6R01[Invited] Fumihiko Matsui

Atomic-layer-resolved analysis of surface magnetism by diffraction spectroscopy

11:00 6R02 Martin Morscher

Determination of the Surface Magnetization Direction with Resonant X-ray Photoelectron Diffraction

11:20 6R03 George Kleiman

Photoelectron Diffraction Studies of Ordered Chromium Oxides Grown on Pd(111)

11:40 6R04 Alexander Gray

Angle-resolved photoemission in the multi-keV regime: first experimental data and theory for W and GaAs

[6R] Organic and Inorganic Thin Films

15:30-16:50

Chair: Hans Siegbahn

17:20-18:40

15:30 6R11[Invited] Jascha Repp

Scanning Tunneling Spectroscopy of Molecules on Thin Insulating Films

16:00 6R12[Invited] Michael G. Ramsey

The electronic structure of device relevant molecules and films

16:30 6R13 Jeong Won Kim

Interface electronic structure and dynamics of tris-(8-hydroxyquinoline) aluminum on Cu(100) surface

17:20 6N14[Invited] Yasumasa Hikosaka

Multi-electron emissions on atomic photoabsorption

17:50 6N15[Invited] Ralph Püttner

Probing molecular dications with Auger spectroscopy

18:20 6N16 Tiberiu Arion

High resolution photoelectron-Auger electron- coincidence spectroscopy studies on small molecules

17:20 6R14 Elena Filatova

X-Ray reflection spectroscopy as an effective tool of thin films investigation

17:40 6R15 Victor Aristov

Electronic properties of pristine magnetic transition metal phthalocyanine thin films

18:00 6R16 Satoshi Kera

Impacts of molecule-substrate interaction on electron/spin configuration of transition-metal phthalocyanines

18:20 6R17 Michel A. Van Hove

Structural, electronic and magnetic properties of two-dimensional metal-organic coordination networks of Mn-7,7,8,8-tetracyanoquinodimethane(TCNQ) assembled on Cu (100)

Surface, Interface, Alloy

- 6AP01 Wai-Leung Yim** Lattice dynamics of Co/Pt(111) interfaces from first principles
- 6AP02 Yuden Teraoka** Induced oxidation on Ni(111) by kinetic energy of O₂ molecular beams
- 6AP03 Anatoliy Shpak** XPS-studies of the surface of nanocrystalline tungsten disulfide
- 6AP04 Shin-ya Ohno** Real-time observation of NO reaction processes on Si(001)-(2x1) studied by means of surface reflectance spectroscopy
- 6AP05 Hans Starnberg** Photoemission study of calcium adsorption on surfaces of layered transition metal dichalcogenides
- 6AP06 Takuhiro Kakiuchi** Study of local valence electronic states of Si₃N₄ grown on Si(111) and Si(001) using Auger photoelectron coincidence spectroscopy (APECS)
- 6AP07 Shozo Kono** Surface-Sensitive Carbon 1s Core-Level Photoemission Spectra of a CVD Diamond (001) Surface Conductive Layer
- 6AP08 Igor Plyuto** The shell model for XPS quantitative analysis of supported systems
- 6AP09 Yuichi Haruyama** Electronic structure near the surface region in the ternary transition metal alloy Ti₃₅V₂₅Cr₄₀ by photoemission spectroscopy
- 6AP10 Masaki Kobayashi** Changes of electronic structure accompanied with degradation of Pt-Co cathode catalyst in membrane electrolyte assembly for polymer electrolyte fuel cell
- 6AP11 Vladimir Pronin** Born differential cross sections for the elastic electron scattering by Au⁺ at high energies
- 6AP12 Tatsuhiko Nishi** Electronic structure of TNAP on Bismuth (001)
- 6AP13 Masahito Niibe** Electronic structure and photocatalytic activity of titania thin films prepared by magnetron sputtering with glancing angle deposition technique
- 6AP14 Masaru Aoki** Local electronic states at organic-metal interface: Benzenethiol on Pt(111) and Au(111)
- 6AP15 Masaru Aoki** Deexcitation process of helium metastable atoms on gold surface
- 6AP16 Takashi Yamada** Adsorbed States of Naphthalene on Cu(111) Studied by STM, LEED and 2PPE
- 6AP17 Iwao Shimoyama** A rule on atomic arrangement deduced by X-ray absorption spectroscopy for graphite-like boron carbonitride thin films
- 6AP18 Olivier Heintz** X-Ray photoelectron spectroscopy study of uranium: 4f level under ultra-high vacuum, oxygen and hydrogen atmospheres
- 6AP19 Abner de Siervo** Preventing silicidation of HfO₂ films on Si through a Si₃N₄ buffer layer: the role of film thickness and Si/Si₃N₄ interface
- 6AP20 Evelina Domashevskaya** XANES of (Co₄₅Fe₄₅Zr₁₀)_x(SiO₂)_{1-x} nanocomposites with giant magneto-resistance
- 6AP21 Sergey Turishchev** XANES of multilayer periodical nanostructures Al₂O₃/SiO/Al₂O₃/SiO...Si(100)
- 6AP22 Sergey Turishchev** XANES, USXES and XPS of the silicon suboxide thin films with Si nanocrystals
- 6AP23 Eiichi Kobayashi** H⁺ desorption induced by resonant core-excitation of condensed water – Comparison between the surface and the bulk molecules
- 6AP24 Harumo Morikawa** Controlled electron doping into indium atomic wires on Si(111)
- 6AP25 Koji Ogawa** Surface electronic states on Cu(111) studied by time- and angle-resolved two-photon photoemission spectroscopy
- 6AP26 Weine Olovsson** First Principles Calculations of Core-Level Shifts in Metallic Systems: Disordered Alloys and Interfaces
- 6AP27 Gennady Sapozhnikov** XPS investigation of the melts surfaces instability

6AP28 Gennady Sapozhnikov High-sensitivity detector for the electron magnetics spectrometer

ARPES

6AP29 Kazuyuki Edamoto Valence and core-level photoemission spectroscopy study of the electronic structure of Ni₂P(10-10)

6AP30 Koichiro Yaji Rashba spin splitting of metallic surface state for 4/3-monolayer Pb/Ge(111)

6AP31 Markus Braune Oscillatory behavior of photoionization parameters of N₂ and O₂

6AP32 Masanori Tsunekawa Bulk Electronic Structures and Strong electron-Phonon Interactions in an Electron-Doped High-Temperature Superconductor

6AP33 Burkhard Langer Direct observation of fullerene plasmon oscillations in momentum space

6AP34 Wiwat Wongkokua Photoemission spectroscopy of body-centered-cubic nickel on GaAs(001)

6AP35 Sakura Nishino Takeda Effective masses of Si hole subbands in Si inversion layers

6AP36 Yuji Muraoka Band dispersion near the Fermi level for VO₂ thin films grown on TiO₂(001) substrates

Hard X-ray and High Pressure PES

6AP37 Chikako Sakai Bulk Electronic Structure of FeSr₂YCu₂O_{6+δ} High-Tc Superconductor Studied by Hard X-ray Photoelectron Spectroscopy

6AP38 Eiji Ikenaga Development of the Hard-X-ray Photoemission Spectroscopy - Three Dimensional Chemical States Analysis

6AP39 Takafumi Miyazaki Photoelectric Study of Selective Methane Oxidation on Layered Lithium Nickel Oxide at High Temperature

Organic and Carbon Materials

6AP40 Takafumi Miyazaki Ultraviolet Photoelectron Spectra of DNTT and DPh-BTBT

6AP41 Koji Okudaira Site-selective Auger electron spectra for fluoropolymers

6AP42 Noriyuki Iwata Comparison of Scanning Transmission X-ray Microscopy and energy filtered Transmission Electron Microscopy for studies of toner particles

6AP43 Yasuji Muramatsu Origin of the high-energy satellite in the CK X-ray emission spectra of diamond

6AP44 Steffen Duhm Bonding distances at organic/metal interfaces: An X-ray standing wave study

6AP45 Kentaro Fujii Near Edge X-ray Absorption Fine Structure of DNA Thin Film Irradiated with Soft X-rays

6AP46 Kiyotaka Asakura XAFS studies on electronic states and structures of Ag(DM)₂ and its photoproducts

6AP47 Shigeaki Abe Photophysical characterization of coumarin doped poly (lactic acid) micro particles and its fabrication for bioimaging

6AP48 Tatiana Ivanova X-ray photoelectron spectra of Co 3s and Co 3p polynuclear carboxylate cobalt complexes

Atoms and Molecules

6BP01 Yasuyuki Kimura Field-induced resonances of highly excited molecules

6BP02 Isao H. Suzuki Site-specific behavior in resonant Auger electron spectra of F₃SiCH₂CH₂Si(CH₃)₃ in the Si K-shell excitation region

6BP03 Adam Hitchcock Valence electronic excitation of N₂ studied by q-dependent electron energy loss spectroscopy and non-resonant inelastic X-ray scattering

6BP04 Adam Hitchcock Quasi-elastic electron scattering from atoms and molecules

6BP05 Masanari Nagasaka Surface structure of krypton-xenon mixed clusters studied by soft x-ray photoelectron spectroscopy

6BP06 Alexandra Mocellin Ozone valence band revised

6BP07 Kiyoshi Ueda Ion-ion coincidence studies on multiple ionizations of N₂ and O₂ molecules irradiated by

extreme-ultraviolet free-electron laser at SPring-8

6BP08 Marko Huttula Multielectron coincide study of vapor phase mercury

6BP09 Saana-Maija Huttula Multielectron spectroscopy: Auger decays of the argon 2s hole

6BP10 Tiberiu Arion Photoionization and Intermolecular Coulombic Decay of Water Clusters

6BP11 Victor Kimberg Origin of fine structures on the dissociative $1s - s^*$ resonance in X-ray absorption spectra of O_2

6BP12 Yoshitaka Iriki Ionization cross sections of gaseous amino acids by MeV ions

6BP13 Oksana Travnikova Influence of the circular polarized light on the electronic relaxation and nuclear dynamics of core-excited states of SF_6 at the F1s edge

6BP14 Oksana Travnikova Selective vibrational excitation in the resonant Auger decay following core-to- π^* transitions in N_2O

6BP15 Andreas Lindblad The resonant Auger decay spectrum of the Xe $4d^1_{5/2}6p$ state, as measured with circularly polarized light

6BP16 Tatiana M. Ivanova Mn3s X-ray photoelectron spectra of polynuclear trimethylacetate Mn complexes

Electron Dynamics (laser and FEL included)

6BP17 Jürgen Plenge Analysis and control of the electron emission dynamics of isolated nanoparticle

Diffraction and Holography

6BP18 Irina Shabanova Mechanism of the change of the properties of heavy-fermion systems exposed to the action of the dense flux of low-energy neutrino

6BP19 Shinya Hosokawa Three-dimensional atomic image obtained by x-ray fluorescence holography around the Tl atoms in $TlInSe_2$ thermoelectric material

6BP20 Naohisa Happo Zn-K α X-ray fluorescence holography of γ -ray detector material $Cd_{0.96}Zn_{0.04}Te$

6BP21 Mie Hashimoto Photoelectron diffraction rings of Ga adsorbed Si(111) surface and their circular dichroism

Spectromicroscopy / Microspectroscopy

6BP22 Yuan-Ron Ma Intense room-temperature photoluminescence of crystalline β - Ta_2O_5 nanobrick arrays

6BP23 Way-Faung Pong Electronic structures and photoresponse of Au-nanoparticles embedded in silica nanowires

6BP24 Tsuneo Yasue Growth of Sb on In/Si(111) surface observed with SR-spectromicroscopy

6BP25 Jau-Wern Chiou Electronic structure of (Zn, Cr)O films studied by x-ray spectroscopy and scanning photoelectron microscopy

6BP26 Yuji Baba Real-time observation of electronic structure and orientation at nanometer scale for silicon polymers

STM, STS, AFM and Related Methods

6BP27 Ken Kanazawa STM/STS study on confined electronic states of glycine/Cu(111) supramolecular nanoporous structure

6BP28 Yasuhiko Terada Nanoscale visualization of carrier dynamics in semiconductors by femtosecond time-resolved STM

RIXS

6BP29 Hitoshi Sato Soft x-ray absorption and emission study on anisotropy of electronic structure of MoO_3

6BP30 Yasuhisa Tezuka X-ray Raman Scattering of Ti Oxides

6BP31 Renaud Guillemin Linear Dichroism in Resonant Inelastic X-Ray Scattering to Molecular Spin-Orbit States

MCD

6BP32 Vladimir Grebennikov A simple model for XPS magnetic dichroism of ferro - and antiferromagnets

Spin Resolved PES

6BP33 Manabu Takahashi Ab initio calculation of core-level x-ray photoemission spectra in transition metals

Other Applications

6BP34 Yu-Ling Wei Effect of heating on Cr speciation sorbed in an incinerator fly ash sample

6BP35 Keiko Ogai Design of an Energy Filter for Low kV Electron Optics

Other Methods (instrumentation and theory included)

6BP36 Volodymyr Karbovsky Investigation of the isomorphism in anionic and cation sublattice of calcium hydroxylapatites

6BP37 Denis Céolin Development of a new electron hemispherical analyzer devoted to coincidence experiments and angular distribution measurements

6BP38 Victor Uvarov Electron structure of LaVO_3 oxide in a various structure modifications

6BP39 Serguei Molodtsov European XFEL Project: Status and Spectroscopic Applications

6BP40 Masahito Tanaka Present status of vacuum ultraviolet natural circular dichroism measurement system using polarizing undulator at TERAS BL5 beamline

6BP41 Keisuke Tajima THz spectroscopy of compounds between the rare earth and copper oxide

6BP42 C. L. Chang X-ray Absorption Near Edge Structure Study of Epitaxial $\text{Bi}_{8-x}\text{Fe}_x\text{O}_{12}$ Thin Films with Different Bi / Fe Ratio

6BP43 Tatsuya Nagao Magnetoelectric effects detected by resonant x-ray scattering in GaFeO_3

6BP44 Catalin Miron Design and first commissioning results of PLEIADES, an ultra high resolution soft X-ray beamline for advanced spectroscopic studies of diluted species from atoms to nanoparticles

6BP45 Taro Sekikawa Single order selection from multiple high harmonics for time-resolved photoelectron spectroscopy

6BP46 Weine Olovsson Bethe-Salpeter Equation Calculations for X-ray Absorption Near-Edge Structure

October 7th (oral)

Plenary Chair: Hans-Joachim Freund

8:30 – 9:50

8:30 PL3 Maya Kiskinova

Addressing the properties of individual nano- and micro- structures with synchrotron-based photoelectron spectromicroscopy

9:10 PL4 Martin Wolf

Ultrafast dynamics of solids and interfaces analyzed by time-resolved photoelectron spectroscopy

[7N] Microscopy

Chair: Toyohiko Kinoshita

10:20-12:00

10:20 7N01 [Invited] Frank M.F. de Groot

Nanoscale chemical imaging of a working catalyst by scanning transmission X-ray microscopy

10:50 7N02 [INVITED] Maria-Carmen Asensio

ANTARES: A Soft x-Ray Scanning Photoemission Microscope beamline at SOLEIL

11:20 7N03 Adam Hitchcock

Soft X-ray spectromicroscopy of polymer, biological and environmental samples

11:40 7N04 Jean-Jacques Pireaux

Single carbon nanotube spectroscopy: electronic and structural defects by Scanning Transmission X-ray Microscopy (STXM)

[7N] Surface and Materials Science

15:30-16:50

Chair: Hans Starnberg

17:20-18:50

15:30 7N11 [Invited] Han Woong Yeom

Wires at the bottom; physics of metallic atomic wires on surfaces

16:00 7N12 [Invited] Jamie Cole

Core level broadening and electronic structure of disordered alloys

16:30 7N13 Hans-Joachim Freund

Gold Atoms and Clusters on MgO Thin Films

17:20 7N14 [Invited] Chris McConville

Electronic Structure of Highly Mis-matched Oxide and Nitride Semiconductor Materials

17:50 7N15 Kan Nakatsuji

Electronic states and correlation effects of cobalt nano-islands on a nitrogen-adsorbed Cu(001) surface

18:10 7N16 Daniel H.C. Chua

In-situ UPS studies into hydrogen terminated surface of

[7R] Dynamics II

Chair: Jinghua Guo

10:20-11:50

10:20 7R01 [Invited] Emad Flear Aziz

Photoelectron Spectroscopy and resonant Auger Reveal the Ultra-Fast Diffusion of the OH⁻ in Water Compare to the Halides

10:50 7R02 [Invited] Franz Hennies

Purely vibrational soft X-ray Raman scattering of liquid Acetone

11:20 7R03 [Invited] Stephane Carniato

An overview on Resonant X-ray Raman scattering in the tender X-ray region: Potential energy surface mapping and Molecular Field Effects by Polarization-Resolved Resonant Inelastic X-ray Scattering

[7R] RIXS and Related Phenomena

15:30-16:50

Chair: Way-Faung Pong

17:20-18:50

15:30 7R11 [Invited] Jinghua Guo

Electronic Structure Study of Nanostructured Materials from in-situ Photon-in/Photon-out Soft-X-Ray Spectroscopy

16:00 7R12 [Invited] Giacomo Ghiringhelli

Local and collective excitations studied by high resolution RIXS

16:30 7R13 Gap Soo Chang

RIXS spectra of impurity atoms in diluted magnetic semiconductors

17:20 7R14 [Invited] Thorsten Schmitt

Resonant Inelastic Soft X-Ray Scattering in Quasi One Dimensional Cuprates

17:50 7R15 Yoshihisa Harada

Ultra-high Resolution Soft X-Ray Emission Spectrometer for in-situ Experiments

18:10 7R16 Tanel Käämbre

Strong energy loss satellites in participator RIXS channel at

amorphous-diamond films and its effects on electron emission

18:30 7N17 Peter Weightman

Probing the local electronic structure of interfaces with electron spectroscopy

Si 2p and Be 1s edges in beryllium containing compounds

18:30 7R17 Hiroyuki Yamane

Bulk electronic structure of organic solids probed by soft X-ray emission spectroscopy using transmission-grating spectrometer

Surface, Interface, Alloy

- 7AP01 Frank Forster** Modification of the Rashba Splitting of Noble Metal Surfaces and Alloys
- 7AP02 Irina Shabanova** Investigation of the electronic structure of liquid systems based on 3d,4d,5d metals
- 7AP03 Irina Shabanova** The pressure and temperature effects on the electronic structure of Ce-based systems
- 7AP04 Takeo Ejima** X-ray emission spectra of “buried” Fe/Si interfaces using standing wave method with in-situ phase determination technique
- 7AP05 Hangil Lee** Electronic and Adsorption Structure of amino acids on Ge(100)
- 7AP06 Olga Molodtsova** Magnetic transition metals on a molecular semiconductor: chemistry and electronic properties
- 7AP07 Takuhiro Kakiuchi** Surface-selective study of Si L₂₃VV Auger-electron and Si 2p photoelectron spectra of Si(100)-2×1 and Si(111)-7×7 using Auger-electron photoelectron coincidence spectroscopy (APECS)
- 7AP08 Vitaliy Tinkov** Layer-by-layer analysis of the surface composition of the alloys by means Electron Energy Loss Spectroscopy
- 7AP09 Jae-Sung Kim** Water derived chemical defects in ultrathin NiO films on Ag(001)
- 7AP10 Vladimir Pronin** Opportunities of Angular-Resolved Elastic Peak Electron Spectroscopy for Analysis of Elemental Composition of Surface Solids
- 7AP11 Kevin Prince** Adsorption of guanine on Cu(110)
- 7AP12 Bongjin Mun** The chemical dynamics of oxygen molecules on Pt(111) surface
- 7AP13 Michihiro Hashinokuchi** X-ray photoemission study of oxidation process on Cu(110) surface using a hyperthermal O₂ molecular beam
- 7AP14 Anders Nilsson** Fundamental Studies of Fuel Cell Catalysis using Electron and X-ray Spectroscopy
- 7AP15 Hway Chuan Kang** Magnetic storage potential of small transition metal clusters adsorbed on graphene
- 7AP16 Christian Ast** Strongly enhanced Rashba-type spin-splitting on metallic and semiconducting surfaces
- 7AP17 Nikolay Plusnin** Electron spectroscopy of atomically-thin films during growth
- 7AP18 Evelina Domashevskaya** XPS and XANES investigations of SnO_x nanolayers
- 7AP19 Hans-Joachim Freund** Effects of plasmon excitation on photodesorption of small molecules from supported silver nanoparticles
- 7AP20 Taro Yamada** Synchrotron X-ray spectroscopic study of H₂O interacting with methyl-terminated Si(111)
- 7AP21 Roy Barman Sudipta** Quasicrystalline metallic adlayers
- 7AP22 James Williams** Spin-dependent electronic structure of thin ferromagnetic layers by spin-polarized two-electron spectroscopy

ARPES

- 7AP23 Markus Donath** Surface electronic structure of Y(0001), an isoelectronic paramagnetic model for ferromagnetic Gd(0001)
- 7AP24 Igor Bartos** Attenuation of excited electrons at crystal surfaces
- 7AP25 Kojiro Mimura** Strongly dispersive band structure of the chainlike compound TlSe investigated by angle-resolved photoemission spectroscopy
- 7AP26 Kenichi Ozawa** Characterization of hydrogen-induced metallic state on the ZnO surfaces
- 7AP27 Ritsuko Eguchi** Electronic structure of perovskite-type nickelates studied by soft x-ray photoemission spectroscopy
- 7AP28 Jun Miyawaki** Anisotropic In-plane and Out-of-plane Fermi Surfaces of Spin-Density-Wave in Ultrathin Fe/Cu(001) Films

7AP29 Hidetoshi Miyazaki Direct Observation of Momentum-Dependent Exchange Interaction in a Heisenberg Ferromagnet EuO

7AP30 Masaru Takizawa Photoelectron intensity modulation of the Fermi surface on graphite with photon energy

7AP31 Kai Ji Quantum Monte Carlo study on quasiparticle dynamics in monolayer graphene

7AP32 Thorsten U. Kampen THEMIS: Time-of-flight spectrometer with high angular and energy resolution

7AP33 Tatyana Kuznetsova Correlation between ARPES spectra and energy dispersion curves: Electronic structure of CuInSe₂ based compounds

Spin Resolved PES

7AP34 Koji Miyamoto Spin polarized electronic structures in surface alloy of Bi/W(110)

Hard X-ray and High Pressure PES

7AP35 Lukasz Plucinski Band Mapping in Higher-Energy X-Ray Photoemission: Phonon Effects and Comparison to One-Step Theory

7AP36 Masaharu Matsunami Evidence for purely divalent state in YbS and Yb metal: Combination of photoemission and optical spectroscopies

7AP37 Yosuke Kayanuma Recoil effect of photoelectrons from compound materials

Organic and Carbon Materials

7AP38 Hiroyuki Yamane Bulk electronic structure of organic solids probed by soft X-ray emission spectroscopy using transmission-grating spectrometer

7AP39 Irina Shabanova Regularities of the growth of nanoforms in nanoreactors

7AP40 Osamu Endo C K-NEXAFS of Physisorbed n-Alkane on Graphite (0001)

7AP41 Hiroyuki Yamane XSW and ARUPS study on Zn-phthalocyanine/Cu(111) interface: Correlating interfacial geometric and electronic structure

7AP42 Ahsan Habib Thickness dependent molecular orientation of adenine molecules, a DNA base, on graphite

7AP43 Paola Castrucci Study on the local order of highly oriented pyrolytic graphite and carbon nanotubes by nanoscale extended energy loss spectra

7AP44 Igor Asanov Study of surface layers on fluorinated graphite matrix under electron bombardment

7AP45 Hiroyuki S. Kato Study of electronic states in organic thin film transistors: Field effects on fluorescence-yield X-ray absorption spectra of pentacene thin films

7AP46 Yasuo Nakayama Photoemission study of model interfaces of an organic bistable device: 2-amino-4,5-imidazoledicarbonitride/metal interfaces

7AP47 Emilia Annese Electronic band structure of alkali-doped pentacene films

7AP48 Tatiana Ivanova X-ray photoelectron spectra of Fe 3s and Fe 3p polynuclear trimethylacetate iron complexes

Atoms and Molecules

7BP01 Stefan Brühl Density effect on 1s-vacancy decay dynamics in gaseous boron

7BP02 Kazumasa Okada Dissociative photoionization of perfluorocyclobutane

7BP03 Kevin Prince Tautomerism of free DNA bases

7BP04 Masaki Imamura Direct observations of quantum size effects in alkyl-passivated Si nanoparticles by hard X-ray photoemission spectroscopy

7BP05 H. Paul Wang Chemical structure of copper recovered from a spent catalyst with an ionic liquid

7BP06 Lokesh Tribedi Electron spectroscopy of C₆₀ and direct evidence of giant dipole Plasmon resonance

7BP07 Sheng D. Chao A theoretical investigation on the vibronic spectra with mass analyzed threshold ionization spectroscopy using the inverse Born-Oppenheimer basis sets

7BP08 Jerome Palaudoux Multielectron spectroscopy: Auger decays of the krypton 3d and 3p holes

7BP09 Gerson de Souza Photoionization with flavor: excitation and ionic dissociation of the core (O 1s) excited vanillin molecule

7BP10 Lin-Fan Zhu Momentum transfer dependence behaviors of the intensity distributions of vibronic excitations for some diatomic molecules studied by fast electron impact

7BP11 Roman Flesch Photoionization of open-shell systems in electronically excited quantum state

7BP12 Roman Flesch Elastic light scattering from free sub-micron particles in the soft X-ray regime

Electron Dynamics (laser and FEL included)

7BP13 Kouichi Hosaka Intense laser induced electronic excitation in dissociative ionization of ethanol studied by photoelectron-photoion coincidence momentum imaging

Diffraction and Holography

7BP14 Kouichi Hayashi Recent advances in X-ray fluorescence holography

7BP15 Abner de Siervo An photoelectron diffraction and DFT calculation study of Pd on W(100): Does it show ferromagnetic behavior?

Spectromicroscopy / Microspectroscopy

7BP16 Igor Plyuto Infrared transillumination microscopy - new technology for visualization of biological tissue

7BP17 Hans Starnberg New bonding mechanism in misfit layer compounds

7BP18 Florian Kronast Three dimensional photoelectron emission microscopy: Depth resolved microscopy of nanostructures via soft x-ray standing wave excitation

7BP19 Kazuyuki Ueda Two-Dimensional Hydrogen Analysis on Si-Device Surfaces Using Scanning Electron-Stimulated Desorption Ion Microscopy (SESDIM)

STM, STS, AFM and Related Methods

7BP20 Hirofumi Oka Spatially resolved electronic structure and magnetic hysteresis loops on single Co islands

7BP21 Hyung-Joon Shin Registry-induced periodic quantum-well structures in a SWCNT

RIXS

7BP22 Ernst Kurmaev RIXS spectra and electronic structure of FeAs-superconductors

7BP23 Laura Simonelli Temperature dependence of the d-d excitations in the $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$ system

7BP24 Takashi Tokushima Developments of high efficiency x-ray emission spectrometer and its application to quantitative analysis of aqueous solutions

7BP25 Tanel Käämbre A Ti 2p RIXS study of Ni- and Co-doped sol-gel deposited titania films

MCD

7BP26 Tsuneharu Koide Interfacial Magnetic States of Co_2MnGe Ultrathin Films Facing an MgO Tunnel Barrier Probed by Soft X-ray Magnetic Circular Dichroism

7BP27 Toshio Miyamachi Perpendicular orbital magnetic moment induced by peripheral edge atoms in body-centered cubic Co nanostructure

Other Applications

7BP28 Ekaterina Naymushina Comparative X-ray photoelectron study of isostructural cuprates of Y-Ba-Cu-O and Bi-Sr-Ca-Cu-O systems

7BP29 Tomoyuki Yamamoto Local environment analysis of Na and Mg ions in β -tricalcium phosphate

7BP30 H. Paul Wang Speciation of copper in ash/sludge stabilized by plasma melting

7BP31 Wiwat Wongkokua X-ray absorption near-edge structure spectroscopy of Cr_3^+ in natural and heat-treated ruby samples

7BP32 Yukako Kato Determination of Photoelectron Escape Depths in Ordered H₂O/Si (001)

7BP33 Masatoshi Ukai Synchrotron Radiation Photoelectron Studies for Primary Radiation Effects in Biosolutions: Two Dimensional Electron Spectra for Liquid Water in the Soft X-ray Region

Other Methods (instrumentation and theory included)

7BP34 Kazuyuki Hirose Estimation technique for optical dielectric constant of Si and Al compounds

7BP35 Victor Uvarov Electron structure of lanthanide-containing nickel oxides with perovskite-like structure

7BP36 Chih-Kai Lin Electronic Excitation Properties of Nitrogen-Related Defect Centers in Diamond: A Theoretical Study

7BP37 JaeDong Lee Dynamical change of electronic structure under photoinduced insulator-metal transition: theoretical study of time-resolved photoemission

7BP38 Werner Smekal Role of surface and bulk plasmon decay in secondary electron emission

7BP39 Keisuke Hatada Application of full potential multiple scattering to core electron spectroscopies

7BP40 Keisuke Kobayashi Hard X-ray Photoemission Study of Polarity Dependent Electronic Structure of ZnO Single Crystals

7BP41 Syunsuke Adachi Computational NanoMaterials Design: From Basics to Actual Applications: A Case Study for Electronic Spectroscopy and Structure

Post Dead-Line Posters

7BP42 Motomichi Tashiro Application of the R-matrix method to photoionization of molecules

7BP43 Hideo Nojiri New 1π steradian display-type ellipsoidal mesh analyzer as a low-magnification PEEM

7BP44 Maria C. Asensio Typical Metal-Semiconductor Surface Phase Transition: A Revisit is needed

October 8th (oral)

Plenary Chair: Shigemasa Suga

8:30 – 9:50

8:30 PL5 Dong-Lai Feng

Electronic structure of unusual charge and spin density waves

9:10 PL6 Jürgen Kirschner

High energy surface magnons

[8N] Correlated Systems I

Chair: Friedrich T. Reinert

10:20-11:50

10:20 8N01[Invited] Sergey Borisenko

High-resolution low-temperature ARPES of the collective quantum phenomena in solids

10:50 8N02[Invited] Akira Sekiyama

Three-dimensional soft x-ray ARPES and polarization-dependent hard x-ray photoemission study of strongly correlated electron systems

11:20 8N03[INVITED] M. Zahid Hasan

Topological Insulator and Quantum Spin Hall Effect without Magnetic Field

[8N] Correlated Systems II

15:30-16:50

Chair: Takahiro Ito

17:20-18:40

15:30 8N11[Invited] Hiroshi Kumigashira

In-situ Photoemission Studies on Oxide Heterostructures

16:00 8N12[Invited] Amina Taleb-Ibrahimi

Detailed investigation of ARPES line-shape in advanced materials

16:30 8N13 Toru Hirahara

A topological metal at the surface of an ultrathin BiSb alloy film

17:20 8N14[Invited] Hojun Im

Systematic angle-resolved photoemission study of heavy-fermion materials

17:50 8N15[Invited] Eli Rotenberg

The Effect of Adsorbates on the Electronic Properties of Graphene

18:20 8N16 Friedrich Reinert

Access to the quantum phase transition of $\text{CeCu}_{6-x}\text{Au}_x$ by Photoemission Spectroscopy at Elevated temperatures: Breakdown of the Kondo screening

[8R] Free Clusters

Chair: Catalin Miron

10:20-12:00

10:20 8R01[Invited] Roman Flesch

Core-Level Excitation in van der Waals Clusters

10:50 8R02 [Invited] Kiyonobu Nagaya

Studies of multiphoton processes of clusters by using Japanese EUV-FEL facility at SPring8/RIKEN

11:20 8R03 Marko Huttula

Core- and valence photoelectron spectroscopy of small metal clusters

11:40 8R04 Matthias Neeb

X-ray absorption spectroscopy on free mass-selected clusters using a Penning trap

[8R] STM and Related Techniques

15:30-16:50

Chair: Maki Kawai

17:20-18:40

15:30 8R11 [Invited] Geoff Thornton

Spectroscopy of TiO_2 surface species

16:00 8R12 [Invited] Xudong Xiao

Pseudogap Mediated by Quantum-Size Effects in Pb Islands

16:30 8R13 Yousoo Kim

State-resolved study of surface dynamic processes of a single molecule by scanning tunneling microscopy

17:20 8R14 Sergey Subach

Site-specific polarization screening in organic thin films: Tetracene on Ag(111)

17:40 8R15 Jonas Fransson

Spin Inelastic Electron Tunneling Spectroscopy on Local Spin Adsorbed on Surface

18:00 8R16 Hirofumi Oka

Spatially modulated spin-polarization in single Co islands

18:20 8R17 Tsu-Yi Fu

Scanning tunneling spectroscopy of Co reconstructed structures on Ag/Ge(111) $\sqrt{3}\times\sqrt{3}$ surfaces

Surface, Interface, Alloy

- 8AP01 Xiao-Lan Huang** Composition of surface alloy for Fe thin films on Pt(111) substrate
- 8AP02 Manami Ogawa** Study of interaction between Rashba-type surface states and quantum well states by two-dimensional photoemission band-mapping
- 8AP03 Masahiro Shibuta** Effects of Vibrational Excitation and Hole Scattering in Two-Photon Photoemission from Thin Organic Films on Graphite
- 8AP04 Kenta Shimomura** Soft X-ray spectral analyses of the rock-salt type metal carbides (TiC, VC) using the DV-X α molecular orbital method
- 8AP05 Kaveenga Koswattage** Study of hydrogen adsorption and desorption on boron nitride thin films by X-ray photoelectron spectroscopy
- 8AP06 Wandared Pokapanich** Effects of multiply charged solvated ions in Auger electron spectroscopy
- 8AP07 Yoshimu Iwanami** Study on hydrodesulfurization catalysts regenerated at various temperatures
- 8AP08 Seiji Takemoto** Theoretical study of STM images of carbon nanotubes on the metallic substrate
- 8AP09 Md. Mannan** Self-ordering of silicon polymer thin film grown on indium tin oxide surface
- 8AP10 Shunya Yamazaki** Electronic and geometric structures of hydrogen-bonded planar molecules on graphite (0001) studied by MAES, UPS and STM
- 8AP11 Thomas Underwood** Electrostatics at surfaces of disordered alloys
- 8AP12 René Lewinski** Structural and electronic properties of mono- and divalent thiols bound on isolated gold nanoparticles
- 8AP13 Anton Ovchinnikov** XPS study of HfO₂(5nm)/Si films obtained by ALD and MOCVD synthesis methods
- 8AP14 Alexander Gray** Characterization of buried interface phenomena in spintronic superlattice nanostructures using standing-wave excited photoemission in the soft and hard x-ray regimes
- 8AP15 Manabu Inukai** Transition metal arrangement studied by their 3d states in Al-Co-Ni quasicrystal
- 8AP16 Ryosuke Sasaki** Metastable atom electron and ultraviolet photoelectron spectroscopy of atomic sash on graphite (0001)
- 8AP17 Nghiem Thi Minh Hoa** Kondo resonance and magnetic properties of two magnetic atoms on a metal surface: QMC simulation
- 8AP18 Saika Itou** Kondo resonance and RKKY interaction in iron(II) phthalocyanine molecular array adsorbed on Au(111) surfaces
- 8AP19 Jaehoon Jung** Water adsorption on the MgO(100) and MgO/Ag(100)
- 8AP20 Hiroyuki Kamada** Analysis of thermal oxidation reaction for TiN/HfSiON/Si studied by in situ SRPES
- 8AP21 Sven Doering** Depth-resolved photoemission studies of the MgO/Fe interface using hard x-ray standing waves
- 8AP22 Frank Schoenbohm** Soft x-ray standing wave excited photoemission study on thin Fe/Ag/MgO layers
- 8AP23 Isabella Gierz** Decoupling epitaxial graphene by Au intercalation
- 8AP24 Hirokazu Takaki** Quantum Transport Properties of Graphene Nanoribbons with zigzag edges
- 8AP25 Christian Papp** Soft x-ray standing wave and magnetic circular dichroism study of the Fe/MgO interface
- 8AP26 Tobias Bauer** Coincidence Spectroscopy on a superconducting surface: Pb (111)
- 8AP27 Takaaki Shimomura** Electronic structure of the TiO₂ film formed on Ag (100)

ARPES

- 8AP28 Yoshiyuki Ohtsubo** Large Rashba spin splitting on Bi/Ge(111)-($\sqrt{3}\times\sqrt{3}$)R30°

8AP29 Junichiro Koike Investigation on Electronic Structures of GaSb(001) by High-Resolution Angle-Resolved Photoelectron Spectroscopy

8AP30 Hirokazu Hayashi High-resolution angle-resolved photoemission spectroscopy of Rh

8AP31 Hiroaki Anzai Doping -Dependence of Mass Renormalization in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ Studied by Low-Energy ARPES

8AP32 Yosuke Nakashima Synchrotron-radiation ARPES study of three-dimensional electronic structure of BaFe_2As_2

8AP33 Rainer Hentges Evidence for position based electron entanglement in dissociating O_2 molecules

8AP34 Jian Jiang High-resolution angle-resolved photoemission study of many-body interactions in the surface-derived states of Al(100), Ni(111) and Cu(111)

8AP35 Makoto Morita Structure and electronic states of Bi/Si(001)

8AP36 Takahiro Ito Three-dimensional angle-resolved photoemission study on SmS

Hard X-ray and High Pressure PES

8AP37 Yuki Utsumi Cu-derived electronic structure of YbInCu_4

8AP38 Junichi Yamaguchi Hard X-ray and Extremely Low Energy Photoemission Studies of Kondo Semiconductor alloys $\text{Sm}_{1-x}\text{Eu}_x\text{B}_6$

8AP39 Aimo Winkelmann High-energy photoelectron diffraction: model calculations and comparison to first experimental data

8AP40 Yusuke Nanba Non-local screening effects on the U 4f X-ray photoelectron spectroscopy of uranium intermetallic compounds

8AP41 Hiroaki Anzai Photoemission Study of Cu 1s Core Level in Copper -Oxides

8AP42 Masaaki Kobata Development of ARHXPS System using Wide Acceptance Objective Lens and Compact Monochromatic Cr $K\alpha$ X-ray Source

8AP43 Rodrigo Mossaneck Electronic structure of the band filling controlled CaVO_3 and LaVO_3 compounds

8AP44 Masatake Machida The Influence of Recoil Effects on Carbon 1s of Diamond studied by Hard X-ray Photoelectron Spectroscopy

8AP45 Kazuma Mima Polarization dependence of photoelectron spectra and anisotropic occupation of orbitals in CeRh_3B_2

RIXS

8AP46 Jenn-Min Lee Resonant inelastic x-ray scattering (RIXS) study of the multiferroic TbMnO_3

8AP47 Declan Cockburn Symmetry Selective Resonant X-Ray Emission Spectroscopy Study of Iridium Dioxide (IrO_2) at the O K Edge

8AP48 Brian Kennedy Measurement and Simulations of the Oxygen K edge Resonant X-ray Emission Spectroscopy of Rutile Titanium Dioxide

8AP49 Ivar Kuusik Model simulations of the sub-bandgap energy loss satellites in the Si 2p and Be 1s RIXS in beryllium

MCD

8AP50 Tetsuro Ueno Magnetism and atomic structures of ultrathin Fe and Pd/Fe films on Pd(001)

8AP51 Kozo Okada Theory of X-ray absorption and photoemission of Fe- and Ni-cyanides

Atoms and Molecules

8BP01 Ghanshyam Purohit Calculation of triple differential cross section for the positron and electron impact ionization of Ar atom

8BP02 Nora Bergmann On the enzymatic activity of Catalase: an Iron L-edge X-ray absorption study of the active centre

8BP03 Johannes Niskanen Following dissociation pathways of molecules and small clusters in excited electronic state after valence photoionization

8BP04 Joakim Laksman Dynamics of hydrogen-dimer formation and dissociation in core-excited acetylene probed by

double- and triple-ion coincidence momentum imaging

8BP05 Yuka Horikawa Molecular orbital symmetry of acetic acid in solutions observed by x-ray emission spectroscopy

8BP06 Eero Itälä Fragmentation patterns of doubly charged acrylonitrile molecule following carbon core ionization

8BP07 Sho Kudo Application of 2D metastable impact electron spectroscopy to five-membered unsaturated heterocyclic compounds for studying anisotropic interaction with He*

8BP08 Masamichi Sakai Specific fragmentation of the K-shell excited 2-, 3-, and 4-methylpyridine molecules studied by electron impact

8BP09 Makoto Imai Production of Coster-Kronig electrons from fast projectile N⁺ and O⁺ ions studied by zero-degree electron spectroscopy

Electron Dynamics (laser and FEL included)

8BP11 Robert Wallauer Double Photoemission from Pb(111)

Diffraction and Holography

8BP12 Igor Piš High-energy photoelectron diffraction of SiO₂/Si(100) using laboratory ARXPS system

8BP13 Akio Uesaka Atomic resolution electron holography using SEM

8BP14 Yen-Yi Chu Magnetic Transition and CMR of LaMnO₃/SrMnO₃ Superlattice Studied by Resonant Soft X-ray Scattering

8BP15 Noriyuki Nishikayama Stereophotograph of graphene on vicinal 4H-SiC(0001) surface

8BP16 Kentaro Goto Circular dichroism of photoelectron diffraction of transition metal dichalcogenides

Spectromicroscopy/Microspectroscopy

8BP17 Konrad Winkler Energy filtered PhotoElectron Microscopy

8BP18 Michihiro Hashimoto Chemical state sensitive imaging of Ag/Si(111) surface using Ag 3d photoelectrons

8BP19 Kuniaki Arai Observation of mesoscopic magnetic vortex dynamics by photoemission electron microscopy

8BP20 Kuniaki Arai Absolute assignment of spin domains in NiO by photoemission electron microscopy and cluster model calculation

8BP21 Ryota Yamamoto The lateral inhomogeneity of unoccupied states for PbPc and CuPc ultrathin films

STM, STS, AFM and Related Methods

8BP22 Emi Minamitani Observation of the two-impurity Kondo effect in the STS spectra

8BP23 Shinji Doi STM/STS and core-level spectroscopy of meta-aminobenzoates on Cu (110)

8BP24 Takeshi Takami STM investigation of local electronic structure of nano graphene on Pt(111)

8BP25 Gaku Mizusawa CO hopping on MgO ultrathin film

8BP26 Kenta Motobayashi Quantitative analysis of action spectrum for a single molecule reaction induced by vibrational excitation with an STM

8BP27 Yohei Yamada Scanning tunneling spectroscopy of Pb nanowire on Si(001)

Other Applications

8BP28 Subhrangsu Mukherjee Neutralization kinetics in charged polymer-metal nanocomposite systems in XPS

8BP29 Ahmed El Basaty Optical second harmonic generation at heterojunction interfaces in organic light-emitting diodes

8BP30 Yuki Utsumi Unoccupied band structure of 1T-TaS₂

8BP31 Klára Ševčíková XPS study of Rh/CeO_x model catalyst – surface oxidation and reduction

8BP32 Shih-Wen Huang Memory Effect in the Multiferroic Transition of Cuprate CuO

8BP33 Hidemi Arai Soft X-ray Emission and Neutron Scattering Study of Acetonitrile-Water Mixtures

8BP34 Mathias Winkler A New Approach to Study the Scattering of Electrons in Free Nanoparticles

8BP35 Matthias Neeb Inner-shell photoelectron and Auger spectroscopy on deposited metal clusters

Other Methods (instrumentation and theory included)

8BP36 Egill Antonsson Small angle X-ray scattering at free nanoparticles

8BP37 Tsuyoshi Yoshioka Contribution of double ionization to the F-K X-ray absorption near-edge structure of alkali fluorides

Organic and Carbon Materials

8BP38 Liang Cao The molecular orientation and electronic structure of 3,4,9,10-perylene tetracarboxylic dianhydride on Au(111)

8BP39 MingChung Li Theoretical studies of optical properties of diphenyldibenzofulvene

8BP40 Taiji Amano Chemical state analysis of impurity nitrogen in carbon-nanohorns using soft X-ray emission and absorption spectroscopy

8BP41 Tomoaki Masuzawa Electron Emission Mechanism of Nitrogen Doped Diamond Characterized by Combined Spectroscopies

8BP42 Ayumi Narita Anchoring of organic molecules on oxide surface using silicon alkoxide

8BP43 Mao Ye Edge states of epitaxially grown graphene on 4H-SiC(0001) studied by scanning tunneling spectroscopy

8BP44 Daisuke Yamashita Photoemission yield measurements of TiO₂-porphyrin mixture in air

8BP45 Shinichi Machida Photoemission study of the electronic structures of a rubrene single crystal assisted by tactics to reduce the sample charging

8BP46 Ingo Salzmänn Tuning the Ionization Energy of Organic Semiconductor Films: The Role of Intramolecular Polar Bonds

October 9th (oral)

Plenary Chair: Akio Kotani

8:30 – 9:50

8:30 PL7 Eric L. Shirley

Deep and penetrating insight into solids through two tools: x-rays & electronic structure theory

9:10 PL8 Pieter Glatzel

Examining the electronic structure by hard x-ray photon-in-photon-out spectroscopy

[9N] Ambient Condition and Chemistry 10:20

Chair: Adam P. Hitchcock -12:00

10:20 9N01 John Hemminger

Composition and Chemistry of the Aqueous Liquid/Vapor Interface: An X-ray Photoelectron Spectroscopy Study

10:40 9N02 Wandared Pokapanich

Probing solvated ions by photoelectron and Auger electron spectroscopy

11:00 9N03 Klaus Hermann

Oxygen K-edge NEXAFS spectroscopy helps to analyze structural details of catalytically active oxide particles: combined DFT and experimental studies

11:20 9N04 Anders Nilsson

The Inhomogeneous Structure of Water at Ambient Conditions Studied with X-ray Scattering and Spectroscopy

11:40 9N05 Zhi Liu

In-situ Oxidation Study of Pt(110) Surface

[9R] X-ray Scattering

Chair: Ernst Z. Kurmaev

10:20-11:50

10:20 9R01 [Invited] Urs Staub

Advanced resonant soft x-ray diffraction to study ordering phenomena in magnetic materials

10:50 9R02 [Invited] Di-Jing Huang

Magnetic Transitions of Multiferroics Revealed by Resonant Soft X-Ray Scattering

11:20 9R03 [Invited] Andrei Rogalev

Dynamics of orbital magnetization probed with X-ray Detected Magnetic Resonance spectroscopy

12:00 Conference Excursion

17:50 Biwa Recital

18:30-20:30 Banquet

October 10th (oral)

Plenary Chair: Charles S. Fadley

8:30 – 9:50

8:30 PL9 Robert Schlögl

High Pressure Photoemission in Catalysis

9:10 PL10 Yasutaka Takata

Hard x-ray photoelectron spectroscopy

[10N] Light Source and New Technique Chair: Wolfgang Eberhardt

10:20 – 12:00

10:20 10N01[Invited] Fulvio Parmigiani

Science frontiers with the FERMI@Elettra free electron laser

10:50 10N02[Invited] Takeshi Nakagawa

Threshold Photoemission Magnetic Circular Dichroism in Magnetic Thin Films

11:20 10N03 Toshio Miyamachi

Direct determination of magnetic anisotropies of single Co atoms and clusters on Pt(111) by scanning tunneling microscopy

11:40 10N04 Mihaela Gorgoi

Hard x-ray high kinetic energy photoelectron spectroscopy in BESSY II –present activities and future upgrades

[10A] Theoretical Chair: to be announced

10:20 – 12:00

10:20 10A01 Akio Kotani

Theory of high-magnetic-field XAS and XMCD spectra at the Yb L and M edges around the field-induced valence transition of YbInCu₄

10:40 10A02 Victor Antonov

X-ray magnetic circular dichroism in d and f ferromagnetic materials: Recent theoretical progress

11:00 10A03 Hidekazu Ikeno

Multiplet calculations for 3d transition metal L_{2,3} x-ray absorption spectra with the ab-initio configuration interaction method

11:20 10A04 Yongfeng Hu

Multiplets in the Ru L_{2,3} edge XANES of Ru compounds

10:40 10A05 Munetaka Taguchi

Electronic structure of NiO: A new view from core-level and valence band spectroscopy

[10B] Spin Resolved Photoemission Chair: Tetsuya Aruga

10:20 – 12:00

10:20 10B01[Invited] Hugo Dil

Spin resolved ARPES on low dimensional Rashba systems

10:50 10B02[Invited] Akio Kimura

Spin-resolved ARPES as a probe of surface and bulk electronic states

11:20 10B03 Kazuyuki Sakamoto

Abrupt Rotation of the Rashba Spin to the Direction Perpendicular to the Surface

11:40 10B04 Lukasz Plucinski

New spectrometer system for simultaneous 1D spin- and 2D angle-resolved photoemission

[10N] Hard X-ray Photoemission Chair: Wolfgang Drube

13:30-15:10

13:30 10N11[Invited] Charles S. Fadley

Hard x-ray photoemission with standing-wave excitation and angular resolution

14:00 10N12[Invited] Olof Karis

Investigation of interface properties in multilayers by high kinetic energy photoelectron spectroscopy

14:30 10N13 Hans Siegbahn

Studies of Dye Sensitized Nanostructured Films for Solar Cell Applications

14:50 10N14 Michael Sing

Profiling the interface electron gas of LaAlO₃/SrTiO₃ heterostructures by hard X-ray photoelectron spectroscopy

[10A] Materials and Surface Sciences Chair: Shik Shin

13:30-15:10

13:30 10A11 Preeti Bhoje

Anomalous Electronic Structure of CaCrO₃: A synchrotron based X-ray Photoemission and Absorption Study

13:50 10A12 Hideaki Iwasawa

Polarization and k_z-dependence on the electronic structure of Sr₂RuO₄ studied by high-resolution ARPES

14:10 10A13 Václav Nehasil

SRPES and XPS study of Rh/CeO₂/Cu(111) system determination of oxidation state of surface, stability and interaction with adsorbed gases

14:30 10A14 Olivier Heintz

X-Ray photoelectron spectroscopy study of uranium: 4f level under ultra-high vacuum, oxygen and hydrogen atmospheres

[10B] Time Resolved Photoemission Chair: Toshiaki Munakata

13:30-15:10

13:30 10B11 Claus Schneider

Time-Resolved Photoemission Microscopy Studies of Magnetization Dynamics in Spin-Valve-Type Thin Film Elements

13:50 10B12 Stuart Cavill

Ultrafast electron dynamics in semiconductor nanostructures

14:10 10B13 Katsumi Tanimura

Femtosecond time-resolved two-photon photoemission study on dynamical relaxation of photo-injected surface-valence holes on reconstructed Si surfaces

14:30 10B14 Kazutoshi Takahashi

Time- and angle-resolved two-photon photoemission study for the image-potential state on graphite