Final Program

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We welcome you to Berkeley and an exciting week of science!

Chuck Fadley
University of California at Davis and Lawrence Berkeley National Laboratory

Lou Terminello
Lawrence Livermore National Laboratory

ICESS8 Conference Co-Chairpersons

Instructions for Oral and Poster Presentations

Oral presentations

The oral presentations will include invited talks of three types: 10 plenary talks of 40 minutes total length (35 minutes for presentation + 5 minutes for discussion), 42 other invited talks of 30 minutes total length (25 + 5 minutes), as well as, 53 contributed talks of 20 minutes (15+5 minutes, selected from among the submitted abstracts by the organizing committee). See the program for details.

Projectors for standard transparencies and computer hookups (VGA or Macintosh) will be provided. Macintosh and Windows laptops with PowerPoint software and Zip drives will be available as well.

Poster presentations

Poster boards will be provided for mounting of individual poster elements. All posters should fit within a 4 ft. by 4 ft. (1.2 m by 1.2 m) area, and characters and figure legends should be readable from approximately 6 ft. (1.8 m) away. Authors are also responsible for providing a large-character title as a heading for their poster. Push pins for mounting poster materials will be provided.

A student poster prize will also be awarded from among the 38 posters entered in this competition. These posters will be shown on Wednesday afternoon.

Posters should be set up in the morning the day of the assigned poster session (before the first coffee break in the morning) and be removed after 6:00 PM that same evening.

Companion Activities

There will be information available in building 14, room 102, just opposite the Krutch Theater, concerning possible companion activities in the San Francisco area, with assistance from Betsy Smith and the Berkeley Convention and Visitors Bureau.

The Conference Banquet

The Conference Banquet will be Friday evening in the Grand Court of the Clark Kerr Campus. The meal will feature Asian and Pacific appetizers, California-style barbecue main courses, California wines and other non-alcoholic beverages. Music will be provided by the Mighty Avalanche Choir from the San Francisco Area, who will perform a mixture of Americana, folk, and original acoustic music. David A. Shirley will also makes some remarks on our field from his unique perspective. The winner of the ICESS Student Poster Competition will also be announced.

Companion tickets: Each technical registrant is entitled to one ticket to the banquet on Friday night. Additional tickets for companions are available for $25 each. These can be purchased from the Registration Desk in building 14, room 102, just opposite the Krutch Theater. Companion tickets must be purchased by the end of the scientific sessions on Wednesday.

SCIENTIFIC AND SOCIAL PROGRAM

Tuesday, August 8, 2000

Joseph Wood Krutch Theatre

8:15 Opening Session: Winston Ko, Pier Oddone, Neville Smith, Chuck Fadley, Lou Terminello

8:30 1A Plenary Chair: D.A. SHIRLEY

Strongly Correlated Materials

Photoemission Studies of Self-Energy Effects in Strongly Correlated Materials
Johnson P.D. (1A-01)

Scanning Tunneling Spectroscopy/EELS

Atomic-Resolution Electron Energy Loss Spectroscopy in the Scanning Transmission Electron Microscope: Understanding the Limits to Scaling Nano-Transistors
Muller D.A. (1A-02)

9:50 Coffee Break

Joseph Wood Krutch Theatre

1B Strongly Correlated Materials
Chair: Z. HUSSAIN

10:20 **Electronic Self-Assembly in High-Temperature Superconductors (Invited)**
Shen Z.-X. (1B-01)

10:50 **Extracting the Self Energy from the Spectral Function of the High Tc Superconductors (Invited)**
Campuzano J.C. (1B-02)

11:20 **High-resolution soft x-ray bulk sensitive photoemission from strongly correlated systems (Invited)**
Suga S. (1B-03)

1C Atomic, Molecular, and Optical Physics
Chair: S.T. MANSON

10:20 **Photoemission from Atoms and Molecules, Orientation and Polarization effects (Invited)**
Becker U. (1C-01)

10:50 **Non-Dipole Effects in Molecular Photoemission**
Hemmers O.A. (1C-02)

11:10 **High-resolution Core-level Photoelectron Spectroscopy at BESSY II**
Hergenhahn U. (1C-03)

11:30 **Subnatural-Width Angle-Resolved Resonant Auger Electron Spectroscopy of Atoms and Molecules on the High Resolution Soft X-Ray Monochromator at Spring- 8**
Ueda K. (1C-04)

Garden Room

11:50 Lunch

POSTER SESSION 1D: 1:00 - 3:30 PM
Chairs: J. Bozek, H Wakita

Coffee Break 3:30 PM

Joseph Wood Krutch Theatre

1E Soft X-Ray Emission, Resonant/Nonresonant Elastic and Inelastic X-Ray Scattering
Chair: D.L. EDERER

4:00 **New Horizons in Resonant Soft X-Ray Scattering on Complex Solids and Macromolecules (Invited)**
Sawatzky G.A (1E-01)

4:30 **Soft X-ray Spectroscopy Via Hard X-ray Inelastic Scattering (Invited)**
Rueff J.P. (1E-02)

5:00 **Resonant magnetic x-ray scattering from ultrathin lanthanide-metal films down to a few atomic layers**
Schuessler-Langeheine C. (1E-03)

1E Nanostructures
Chair: D.L. EDERER

5:20 **Electronic Structure of Doped Fullerenes and Nanotubes**
Eisebitt S. (1E-04)

5:40 **Morphology, Photoluminescence, and Electronic Structure in Oxidized Silicon Nanoclusters**
Carlisle J.A. (1E-05)

6:00 **Direct Determination Of Interfacial Magnetic Moments And Ferromagnetic-To-Superparamagnetic Transition For Cobalt Nanoclusters On Gold (Invited)**
Koide T. (1E-06)

Garden Room

1F Microscopy
Chair: A. HITCHCOCK

4:00 **NEXAFS Microscopy of Polymers (Invited)**
Ade H. (1F-01)

4:30 **Metastable Atom Electron Spectroscopy of the outermost surface and the molecule-substrate interface of self-assembled monolayer on Au(111)**
Setoyama H.S. (1F-02)

4:50 **Soft X-ray Absorption Spectroscopy at 25 nm Spatial Resolution**
Denbeaux G. (1F-03)

5:10 **TEM-EELS Investigations of Nanoscale Multilayers in the Linescan Mode**
Wetzig K. (1F-04)

5:30 **Spectromicroscopy Studies of Thin Film Growth**
Schmidt Th. (1F-05)

5:50 **Scanning Auger microscopy - Recent progress in data analysis and instrumentation (Invited)**
Jacka M. (1F-06)

7:00 Conference Reception at Clark Kerr Campus GRAND COURT

Wednesday, August 9, 2000

Joseph Wood Krutch Theatre

8:30 2A Plenary Chair: M.N. PIANCASTELLI
Welcome: Charles Shank

Atomic, Molecular, and Optical Physics
Inner-Valence Ionization of Weakly Bound Molecular Clusters and Efficient Relaxation by Electron Emission
Cederbaum L.S. (2A-01)

Spectromicroscopy
Spectromicroscopy: Present and Future
Bauer E. (2A-02)

9:50 Coffee Break

Joseph Wood Krutch Theatre

2B Magnetic Materials
Chair: A. KAKIZAKI

10:20 **X-ray Scattering from Magnetic Surfaces and Buried Layers (Invited)**
Idzerda Y.U. (2B-01)

10:50 **Electronic structure and magnetism of 3d metals and alloys on GaAs (Invited)**
Jin X.F. (2B-02)

11:20 **Spin-resolved photoemission and XAS studies on half-metallic ferromagnetic oxides (Invited)**
Park J.-H. (2B-03)

Garden Room

2C Atomic, Molecular, and Optical Physics
Chair: N. KOSUGI

10:20 **Photoionization of Singly-Charged Positive Ions Using Synchrotron Radiation**
Covington A.M. (2C-01)

10:40 **On the Angular Distributions of Electrons Photoemitted from Fixed-in-Space and Randomly Oriented Molecules**
Langhoff P.W. (2C-02)

11:00 **High Resolution Pulsed Field Ionization Photoelectron-Photoion Coincidence (PFI-PEPICO) Studies of some Hydrides and Halogenomethanes**
Qian X.M. (2C-03)

11:20 **Threshold Photoelectron Spectroscopy using Synchrotron Radiation (Invited)**
King G.C. (2C-04)

Conference Photo Grand Court

11:50 Lunch

POSTER SESSION 2D: 1:00-3:30 PM
Chairs: S. P. Cramer, J. Kortright

STUDENT POSTER SESSION
Chairs: Harald Ade, Michel Van Hove

Coffee Break 3:30 PM

Joseph Wood Krutch Theatre

2E Nanostructures/Electronic Structure
Chair: G. KAINDL

4:00 **Quantum Well Photoemission Spectroscopy of Atomically Uniform Films (Invited)**
Miller T. (2E-01)

4:30 **New Approaches to the Determination of Fermi Vectors by ARPES**
Rossnagel K. (2E-02)

4:50 **Ground State and Low-Energy Excitations in γ Ce from Correlated Band Theory**
Pickett W.E. (2E-03)

5:10 **Nature of the Sn/Ge(111) phase transition: Charge density waves or dynamical fluctuations? (Invited)**
Asensio M.C. (2E-04)

2E Magnetic Systems
Chair: G. KAINDL

5:40 **Soft XMCD at 200 MilliKelvin: Quantum Size Effect in High Spin Paramagnetic Molecules**
Arrio M.-A. (2E-05)

6:00 **Magnetic Dichroism in the Cr 2p Photoionization**
Wernet Ph. (2E-06)

Garden Room

2F X-Ray Absorption and Electron Scattering
Chair: N. MARTENSSON

4:00 **New Developments in the Theory of X-ray Absorption and Core Photoemission (Invited)**
Rehr J.J. (2F-01)

4:30 **Valence, spin-state and neighbour-atom selective XAFS with sub-lifetime resolution**
de Groot F.M.F. (2F-02)

4:50 **Electron scattering resonance and the free electron density of states in solids (Invited)**
Michaud M.M. (2F-03)

2F Nanostructures
Chair: N. MARTENSSON

5:20 **Electronic Structure of MoS_2 clusters using X-ray Absorption and Emission Spectroscopes**
van Buuren T. (2F-04)

5:40 **Electronic Energy Loss Spectroscopy of Individual Nanotubes (Invited)**
Stephan O. (2F-05)

8:00-10:00 Vendor Reception (following dinner)

Thursday, August 10, 2000

Joseph Wood Krutch Theatre

8:30 3A Plenary Chair: I. LINDAU

Solid State Photoemission

High-Resolution UV-Photoemission of Solids: Success, Limitations and the Future
Baer Y. (3A-01)

Soft X-Ray Emission/Atomic, Molecular, and Optical Physics

X-ray emission and resonant inelastic scattering - Present and future
Nordgren E.J. (3A-02)

9:50 Coffee Break

Joseph Wood Krutch Theatre

3B Microscopy
Chair: P. FISCHER

10:20 **Spatial Variations of the Interface Composition during Surface Chemical Reactions (Invited)**
Kiskinova M. K. (3B-01)

10:50 **New Experiments in Spectro-Microscopy by Means of Photoelectron Time-Of-Flight Analysis**
Oelsner A. (3B-02)

11:10 **Spectromicroscopic Investigation of Nonlinear Photoemission and Hot Spots on Surfaces by Means of PEEM Combined with High Power Laser Radiation**
Fecher G.H. (3B-03)

11:30 **Exchange bias at ferromagnet-antiferromagnet interfaces resolved by Photo-Electron Emission Microscopy**
Scholl A. (3B-04)

Garden Room

3C Holography and New Technology
Chair: H. DAIMON

10:20 **Photoelectron diffraction and holography: Present status and future directions (Invited)**
Woodruff D.P. (3C-01)

10:50 **Three-dimensional Atomic Imaging of As/Si(111) Using Self-Normalizing Photoelectron Holography**
Luh D.-A. (3C-02)

11:10 **Symmetry-resolved density of states from valence band photoelectron diffraction**
Hofmann Ph. (3C-03)

11:30 **X-Ray fluorescence holography (Invited)**
Faigel G. (3C-04)

11:50 Lunch

POSTER SESSION 3D: 1:00 - 3:30 PM
Chairs: F. Schlachter, K. Tanaguchi

Coffee Break 3:30 PM

Joseph Wood Krutch Theatre

3E Soft X-Ray Emission, Resonant/Nonresonant Elastic and Inelastic X-Ray Scattering
Chair: M. UDA

4:00 **Interplay Between Orbital And Magnetic Long Range Order By Resonant X-Ray Scattering (Invited)**
Paolasini L. (3E-01)

4:30 **Chemical Effects in the Resonant Inelastic X-Ray Scattering excited at the M_5 edge of Lanthanum in different environments**
Dallera C. (3E-02)

4:50 **Soft x-ray fluorescence and photoemission study of ion beam mixed ferromagnetic Co/Pt multilayered films**
Chang G.S. (3E-03)

5:10 **Inelastic X-ray Scattering as a Novel Tool to Study Mott Insulators**
Hasan M.Z. (3E-04)

5:30 **Multi-Atom Resonant Photoemission**
A.W. Kay (3E-05)

5:50 **Final-state effects in inelastic x-ray scattering: Resonant and Non-Resonant (Invited)**
Shirley E.L.. (3E-06)

Garden Room

3F Industrial Applications and Analytical Methods
Chair: J. CASTLE

4:00 **Needs and Applications of Electron Spectroscopy Within The Wafer Semiconductor Processing Industry (Invited)**
Brundle C.R. (3F-01)

4:30 **Reactions on Model Emission Control Catalysts Studied by Soft X-ray Photoemission**
Mullins D.R. (3F-02)

4:50 **Photoelectron Spectroscopy at Ten Torr**
Ogletree D.F. (3F-03)

5:10 **Algorithm to Determine Inelastic Electron Scattering Cross Sections from Reflection Electron Energy Loss Spectra; Applications in Quantitative XPS**
Tougaard S. (3F-04)

5:30 **On Line Shape Analysis in X-ray Photoelectron Spectroscopy (XPS)**
Werner W.S.M. (3F-05)

5:50 **Depth-Profiling by Angular-Dependent X-ray Photoelectron Spectroscopy (Invited)**
Cumpson P.J. (3F-06)

Friday, August 11, 2000

Joseph Wood Krutch Theatre

8:30 Plenary — Chair: S. MASUDA

Atomic, Molecular, and Optical Physics
Three-Dimensional Imaging of Ions and Electrons Produced in Photoexcitation
Ullrich J., (4A-01)

Time-Resolved Phenomena
Time-resolved photoemission from image-potential states
Fauster Th. (4A-02)

9:50 Coffee Break

Joseph Wood Krutch Theatre

4B Magnetic Materials-Microscopy
Chair: B. SINKOVIC

10:20 **Surface Antiferromagnetism of NiO studied by Photoemission Micrsocopy (Invited)**
Hillebrecht F.U. (4B-01)

10:50 **Photoelectron Emission Microscopy and Imaging of Ferromagnetic and Antiferromagnetic Domains (Invited)**
Anders S. (4B-02)

11:20 **Atomic Scale Magnetic Imaging of Ultrathin Films (Invited)**
Bode M. (4B-03)

Garden Room

4C Time-Resolved Phenomena
Chair: D. MENZEL

10:20 **Relaxation Of Core Excited Molecules Probed By Auger Ion Coincidences (Invited)**
Simon M. (4C-01)

10:50 **Ultrafast X-ray Science at the Advanced Light Source**
Schoenlein R.W. (4C-02)

11:10 **Electron-Ion Coincidence Spectroscopy Studies of Ion Desorption Induced by Core-Electron Transitions of Surfaces (Invited)**
Mase K. (4C-03)

11:50 Lunch

Joseph Wood Krutch Theatre

4E Surfaces, Adsorbates, and Interfaces
Chair: G. LELAY

1:00 **An Atom Specific Look at Chemical Bonding using X-ray Spectroscopies (Invited)**
Nilsson A. (4E-01)

1:30 **A Combined Study of Photoelectron Specrtomicroscopy and Laser Annealing For Si(111) Surface**
Haruyama Y. (4E-02)

1:50 **X-ray Photoelectron Spectroscopy as a Probe of Thin Dielectrics (Invited)**
Eng, Jr. (4E-03)

2:20 **The kinetics of oxygen adsorption on Rh surfaces: a real-time Surface Core Level Shift study**
Lizzit, S. (4E-04)

2:40 **Combined Experimental and Theoretical Determination of the 3C-SiC(100) c(4x2) Surface Electronic Band Structure**
Soukiassian P.G. (4E-05)

3:00 **Auger Photoelectron Coincidence Spectroscopy from Solids (Invited)**
Thurgate S.M. (4E-06)

3:30 Coffee Break

Garden Room

4 F Atomic, Molecular, and Optical Physics
Chair: T.D. THOMAS

1:00 **Resonant and non resonant photoelectron emission and Auger emission from molecules (Invited)**
Sörenson S. (4F-01)

1:30 **Spin polarization in the resonant Auger decay of argon**
Snell G. (4F-02)

1:50 **New Insights on the Shape Resonances in the K-shell Continua of N_2 and CO Prototype Molecules (Invited)**
Ito K. (4F-03)

2:20 **Electron and Ion Fragment Momentum Correlation from Core Ionized CO Molecules**
Landers A.L. (4F-04)

2:40 **Photoelectron-photoion coincidence study of organometallic complexes**
Baer T. (4F-05)

3:00 **Spin-polarization and dichroism in electron spectroscopy from atoms, molecules, and adsorbates (Invited)**
Heinzmann U. (4F-06)

Joseph Wood Krutch Theatre

4G Fermi Surfaces and Phonons
Chair: H. IBACH

4:00 **Coupling Between Adsorbate Vibrations and an Electronic Surface State**
Kevan S.D. (4G-01)

4:20 **Comparison of k-resolved single-particle spectra of XRu2Si2 (X=La, Th, Ce, U).**
Denlinger J.D. (4G-02)

4:40 **Angle-resolved photoemission study of quasi one-dimensional conductor Nb3Te4**
Fujisawa H. (4G-03)

5:00 **Spectral properties of 1D Peierls systems**
Grioni M. (4G-04)

5:20 **Fermiology of metals from 1 to 6 dimensions (Invited)**
Rotenberg E. (4G-05)

4H Biological And Environmental Systems
Chair: D.K. SHUH

4:00 **Biomedical surfaces studied by x-ray photoelectron spectroscopy in combination with static secondary ion mass spectrometry (Invited)**
Ratner B.D. (4H-01)

4:30 **The Multidisciplinarity of Spectromicroscopy: Cancer Research, Geomicrobiology, Tribology, Archaeology and Materials Science**
De Stasio G. (4H-02)

4:50 **L-edge X-ray Absorption Spectroscopy of Biological Nickels: Oxidation States and Spin States**
Wang H. (4H-03)

5:10 **Chemical Mapping Of Biological Objects**
Kaznacheyev K. (4H-04)

5:30 **Applications of Soft X-ray Spectroscopy to the Studies on Aqueous and Environmental Systems (Invited)**
Myneni S.C.B. (4H-05)

Garden Room

7:00 Conference Banquet At Clark Kerr Campus GRAND COURT

Saturday, August 12, 2000

Joseph Wood Krutch Theatre

8:30 Plenary — Chair: S. CHIANG

Strongly Correlated Material

Self-organized quantum wires on semiconductor surfaces: the new frontier provided by reduced dimensionality
Yeom H.W. (5A-01)

Scanning Tunneling Spectroscopy (Plenary)

Scanning tunneling microscopy as local probe of electron density and dynamics
Kern K. (5A-02)

9:50 Coffee Break

Joseph Wood Krutch Theatre

5B Strongly Correlated Materials
Chair: S.J. OH

10:20 **Orbital ordering in strongly correlated materials studied by x-ray resonant diffraction: the case of $LaMnO_3$ and V_2O_3 (Invited)**
Dimatteo S. (5B-01)

10:50 **High resolution ARPES study of the electronic Structure of CMR Oxides**
Dessau D.S. (5B-02)

11:10 **Core Level Photoemission from Strongly Correlated Transition Metal Oxides**
Sangaletti L. (5B-03)

11:30 **Optical Spectral Weight and the Physics of Correlated Electron Systems (Invited)**
Millis A.J. (5B-04)

5C Theory of Photoemission and Electron Coincidence Experiments
Chair: S.G. LOUIE

10:20 **The Sudden Approximation in Photoemission: When is it valid? (Invited)**
Hedin L. T. (5C-01)

10:50 **A high-energy (e,2e) spectrometer for the measurement of spectral functions**
Vos M. (5C-02)

11:10 **Quasiparticle Energy Bands of NiO in the GW approximation**
Li J.-L. (5C-03)

11:30 **Non-dipole and elastic scattering effects in X-Ray photoemission(Invited)**
Nefedov V.I. (5C-04)

Joseph Wood Krutch Theatre

Garden Room

12:00 Closing Session: Chair: John Liesegang

Conference summary: Lou Terminello and Chuck Fadley

Welcome to ICESS9 in 2003 by new chairperson

POSTER SESSION 1: 1:00 - 3:30 PM TUESDAY

Processes producing inner-valence shell vacancies in slow He2 + CO collisions
Frémont F., Adoui L., Cassimi A., Chesnel J.-Y., Husson X., Tarisien M. (1D-001)

Theoretical investigations on relativistic, correlation, and relaxation effects in the spectra of Cu II
Dong C.Z., Fritzsche S., Fricke B.D. (1D-002)

Cascading Decays of Vacancies in Atomic Inner Shells
Kochur A.G., Sukhorukov V.L. (1D-003)

Yields of Multiply Charged Ions Produced by the Cascading Decay of Hollow Argon and Krypton Atoms
Kochur A.G. (1D-004)

Orientation Effects in Anomalous Elastic Scattering of X-ray Photon by Linear Molecule
Yavna V.A. (1D-005)

Processes of Multiple Ionization in Inner Shell Photoabsorption of Some Diatomics
Yavna V.A. (1D-006)

Manifestation of Strongly Delocalized Atomic States in the Photoionization Cross Sections of Ar, Kr and Xe in the Vicinity of the Subvalence ns- Shell Threshold
Schmoranzer H., Lauer S., Liebel H., Ehresmann A., Demekhin Ph V., Lagutin B. M., Petrov I. D., Sukhorukov V. L. (1D-007)

Circular Dichroism In Two_Electron Continua
Klar H. W., Golecki P. J. (1D-008)

Angular Distributions of Resonantly 3d-1np (n = 5, 6, and 7) Excited Krypton
Tomaselli M., Koike F., Fritzsche S. (1D-009)

An Angular Correlation Function For Double Photoionization In Atoms
Chattarji D, Sur C. (1D-010)

High-resolution electron spectroscopy of atomic barium
Snell G., Martins M., Kukk E., Cheng W.T., Berrah N. (1D-011)

Coherence In Two-electron Transfer In F8++ Ne Collisions
Landers A.L., Pole D.J., Erickcek A.L., Ferguson S.M., Chesnel J.-Y., Sulik B., Tanis J.A. (1D-012)

Double Ionization Satellites In the L2,3-Auger Spectra of the Argon-Like Molecules
Novikov S.A., Akopyan Ya.S. (1D-013)

Two-Photon Excitation/Ionization of Inner Shell of Atoms and Ions
Novikov S.A (1D-014)

Orientation of the Ar 2p-1, Kr 3d-1 and Xe 4d-1 hole states
Snell G., Langer B., Berrah N. (1D-015)

Electron ion Velocity Vector Correlation study of Dissociative Photoionization of O2 of Dissociative Photoionization of O2
Guyon P.M., Houver J.C., Dowek D., Brenot J.C., Lafosse A., Lebech M., Spielberger L., Golovin A. (1D-016)

Vibronic Structure in the Carbon 1s Photoelectron Spectra of HCCH and DCCD
Thomas T. D., Borve K. J., Carroll T. X., Saethre L. J., Berrah N., Bozek J.D., Kukk E . (1D-017)

Vibrational structure and partial Auger rates of the N 1s core-excited states in nitric oxide
Kukk E., Bozek J.D., Cheng W.-T., Snell G., Berrah N. (1D-018)

Coherence and correlation effects in the photoionization of Ne+ 2s2p5 nl satellite states
King G.C., Bolognsi P., Avaldi L., Cooper D., Camilloni R., Cavanagh S. (1D-019)

Generalized Oscillator Strength Profiles for Inner Shell Excitation of CO2 Derived from Variable Angle Electron Energy Loss Spectroscopy
Hitchcock A.P., Eustatiu I.G., Tyliszczak T., Turci C.C., Rocha A.B., Bielschowsky C.E. (1D-020)

A State-Selective Photofragment Translational Spectroscopy Study of Ethylene Sulfide Probed via Tunable VUV Light Source
Qi F., Suits A.G. (1D-021)

Correlation effects in the 5p photoemission and dichroism of atomic Europium
Martins M, Godehusen K., Zimmermann P., Wernet P., Sonntag B. (1D-022)

Electronic structure of water in Ih ice studied with core-level spectrosocpies
Ogasawara H., Nordlund D., Cavalleri M., Naslund L.-A., Nagasano M., Pettersonl G.M., Nilsson A. (1D-023)

Microlocalization of Gd in Cell Nuclei: Key for the Success of Brain Cancer Therapy
De Stasio G., Gilbert B., Frazer B.H., Mercanti D., Casalbore P., Mogk D.W., Larocca L.M., Rinelli A., Pallini R. (1D-024)

Structure Of Heterometallic Complexes In The Hexane Extract On Modelling The Recovery Of Ruthenium From Radioactive Liquid Wastes
Erenburg S.B., Bausk N.V. (1D-025)

X-ray Absorption and Photoelectron Spectroscopy on Ice
Bluhm H., Ogletree D.F., Huan C.H.A., Fadley Ch., Hussain Z., Salmeron M. (1D-026)

X-ray Absorption and X-ray Photoelectron Spectroscopy in the Multi-Torr Pressure Regime: First Results for Solid and Liquid Water
Bluhm H., Ogletree D.F., Huan C.H.A., Fadley Ch., Hussain Z., Salmeron M. (1D-027)

XPS-studies of structure transformations and relaxation processes in transition metal melts
Shabanova I.N., Kholzakov A.V., Ponomarev A.G. (1D-028)

Measurement of Silicon Dioxide Film Thicknesses by XPS
Powell C.J., Jablonski A (1D-029)

NIST Databases for Surface Analysis by AES and XPS
Powell C.J. (1D-030)

Reactive Plasma Spray For The Deposition Of Ti/Tin Coatings: A Comparative Compositional Study By X-Ray Diffraction And X-Ray Photoelectron Spectroscopy
T. Bacci, F. Borgioli, E. Galvanetto, F. Galliano, U. Bardi, A.Lavacchi, A.A.Scrivani (1D-031)

Corrosion Behaviour Of The 6063-T5-Aluminium Coated With Polypyrrole
Kadirgan F. (1D-032)

A compact Compton polarimeter utilizing silicon drift detectors
Kotthaus R., Buschhorn G., Pugachev D., They J. (1D-034)

Stereoscopic Photographs of Atoms taken by Spherical-mirror Analyzer
Daimon H., Kotsugi M., Miyatake Y., Enomoto K., Fukumoto K., Kobayashi A., Nakatani T., Matsushita T., Hattori K. (1D-035)

Novel type of X-Ray monochromator for XPS laboratory systems: Pseudo-Spherical Multi-Stepped
Soldatov A.V., Marcelli A., Mazuritsky M.I., Latush E.M., Lyashenko V.L. (1D-036)

Short Time Measurements of Full-Solid-Angle Photoelectron Diffraction Using a 180o Deflection Toroidal Analyzer

Shiraki S., Ishii H., Owari M., Nihei Y. (1D-037)

Development of a High Angle-Resolving Electron Energy Analyzer
Shiraki S., Ishii H., Nihei Y. (1D-038)

Transient ISEELS: a new probe of chemical reactions
Hitchcock A.P., Ennis L.E., Lehmann J.F. (1D-040)

Fully multi-channel detection of reflection (e,2e) experiments
Iacobucci S., Rioual S., Ruocco A., Mastropietro M., Stefani G. (1D-041)

Angle-resolved and High-energy Resolution Photoemission Systems at Siam Photon Laboratory
Songsiriritthigul P., Kakizaki A., Pairsuwan W., Ishii T. (1D-042)

Measurement of X-ray absorption spectra (XAS) of insulators by a partial electron yield method using an electron flood gun
Tanaka T., Bando K.K., Matsubayashi N., Imamura M., Shimada H. (1D-043)

PES of liquid early transition metals with high vapour pressures
Garnier M.G., Wahrenberg R., Stupp H., Oelhafen P. (1D-044)

Theory of Multi-Atom Resonant Photoemission
Garcia de Abajo F.J., Fadley C. S., Van Hove M.A. (1D-045)

The Role of the Second-order Processes in the Formation of Extended Fine Structures of Auger Electron Spectra and their use for Analysis fo the local Atomic Structure of Hyperfine Surface Layers
Guy D.E. , Deev A.N., Surnin D.V., Ruts Yu.V., Grebennikov V.I. (1D-046)

Development of a High-Speed One-Dimensional Detector for Electron and Other Spectroscopies
Kay A.W., Turko B., Press M., West M., Katz J., FadleyC.S., Spieler H., Hussain Z., Millaud J., Jaklevic J. (1D-047)

Characteristics of the project of the new Beamline for Advanced diCHroic (BACH) at ELETTRA
Finazzi M., Zangrando M., Paolucci G., Comelli G., Diviacco B., Walker R.P., Cocco D., Parmigiani F. (1D-048)

Technical developments of X-ray Fluorescence Holography
Marchesini S., Faigel G., Tegze M., Belakhovsky T. (1D-049)

Recording of X-ray Holograms on a Position Sensitive Detector
Savoia A., Busetto E., Kopecky M., Lausi A., Miculin M. (1D-050)

A New Instrument for Angle Dependent XPS Studies
Belcher P., Jones G., Robinson K.S. (1D-051)

A New High-Resolution Toroidal Energy- and Angle-Resolved Electron Spectrometer
King M.R.F., Quinn F.M., Fraser G., Thornton G. (1D-052)

Relation between Inelastic Scanning Tunneling Spectroscopy of adsorbates and their vibrational deexcitation: a theoretical study
Mingo N., Makoshi K., Mii T., Ueba H. (1D-053)

Scanning Tunneling Spectroscopy Analysis with a Triangular Inverse Transfer Matrix and its Application to Reduced $SrTiO_3$ (110) Surface
Bando H., Aiura Y., Shimizu T., Ochiai Y., Haruyama Y., Nishihara Y. (1D-054)

Electronic Structure of the Clean and Ag Covered Si(5 5 12) Surface
Carlisle J.A., Jones K.M., Blankenship S.R., Baski A.A. (1D-055)

Calculation of short-range-order surface segregation and phase separation in Fe-Cr thin film alloys
Polak M., Rubinovich L., and Fadley C.S. (1D-056)

High Resolution Photoelectron Spectroscopy of Pu at the Advanced Light Source
Tobin JG, Terry J., Shultze R., Lashley J., Farr D., Zocco .T, Shuh D., Rotenberg E. (1D-057)

One-body Green's Functions of Half-filled Hubbard Models, Predominance of Multi-magnon Incoherent Component and Minuteness of Zero-magnon Coherent one
Tomita N.T, Nasu K.N. (1D-058)

Effects of Ca-doping on Local Structure in RBa2Cu3O7-£_ Systems (R = Y, Gd, and Nd)
Chang C.L., Liu S.Y., Dong C.L., Lee J.F. (1D-060)

Temperature-dependent metal-insulator transition in d- and f-electron systems studied by high-resolution photoemission spectroscopy
Shimada K.S. (1D-061)

Crystal-field splitting in CeB6 observed by ultrahigh-resolution photoemission spectroscopy
Souma S., Kumigashira H., Ito T., Sato T., Takahashi T., Kunii S. (1D-062)

Ultrahigh-resolution photoemission study of CePd3 : absence of Kondo-insulator gap
Souma S., Kumigashira H., Ito T., Takahashi T., Kasaya M. (1D-063)

Bulk 4f Electronic States of CeNiSn and CePdSn Probed by High-Resolution Ce 3d-4f Resonance Photoemission
Sekiyama A., Suga S., Iwasaki T., Ueda S., Imada S., Saitoh Y., Yoshino T., Adroja D.T., Takabatake T., Takegahara K. (1D-064)

Photoemission Spectroscopy Of Half-Metallic Perovskite Manganites Pr1-XSrxMnO3
Kang J.-S., Noh T.W., Olson C.G., Min B.I. (1D-065)

High-resolution photoemission spectroscopy of CeSi single crystal
Mimura K., Takase T., Mizohata H., Taguchi Y., Ichikawa K., Takeda Y., Arita M., Shimada K., Namatame H., Noguchi S. (1D-066)

Angle-Resolved Photoemission Spectroscopy of Highly Overdoped Bi2212
Yusof Z., Wells B.O., Valla T., Fedorov A., Johnson P.D., Kendziora C., Jian S., Hinks D.G., (1D-067)

Ultrahigh-resolution photoemission and resonant-inverse photoemission spectroscopy on CePd3
Kanai K., Kiss T., Yokoya T., Schmerber G., Kappler J.P., Parlebas J.C., Shin S. (1D-068)

Electronic structure of the quasi-onedimensional organic conductor TTF-TCNQ
Claessen R., Sing M., Finteis Th., Hao S., Huefner S., Blaha P. (1D-069)

Angle Resolved Photoemission: today's applications and future perspectives using VUV FEL-Radiation
Kipp L., Rossnagel K., Skibowski M. (1D-070)

High-Resolution Photoemission studies of the Layered Perovskite Sr2RuO4
Fedorov A.V., Valla T., Johnson P.D., Haas M.K., Cava R.J. (1D-071)

Real-time monitoring of the growth and decomposition of SiO2 layers on Si(001) by a combined method of RHEED and AES
Takakuwa Y., Ishida F. (1D-072)

Two-Color Photoemission by Time-Correlated Laser and Synchrotron Pulses
Weber R.L., Pop D., Winter B., Giessel T., Bowering N., Wick M.T., Langer B., Gatzke J., Hertel I.V., Braun W. (1D-073)

Surface Dynamics in Organic Films Studied by Time-Correlated Laser and Synchrotron Pulses
Pop D., Weber R.L., Koch N., Winter B., Freyer W., BoweringN., Braun W., Leising G., Hertel I.V. (1D-074)

Sub-Picosecond Pump and Probe Photoemission from Metals
Parmigiani F., Peloi M., Ferrini F., Banfi G.P. (1D-075)

Local structure of self-organized uniform Ge quantum dots on Si(001)
Erenburg S.B., Bausk N.V., Nenashev A.V., Stepina N.P., Nikiforov A.I., Mazalov L.N. (1D-076)

Photoelectron Spectroscopy of Pristine and Cs-Intercalated Single-Walled Carbon Nanotube Bundles
Suzuki S., Bower C., Nath K.G., Watanabe Y., Zhou O. (1D-077)

XPS and XAES study of carbon and fluorinated grafite materials
Asanov I.P., Paasonen V.M., Bulusheva L.G., Okotrub A.V. (1D-079)

PbS self-assembled dots on InP(110)
Preobrajenski A.B., Barucki K., Chassé T. (1D-080)

Local and Electronic Structure of small free NaCl clusters
Soldatov A.V., Yalovega G., Moeller T., Nowak C., Riedler M. (1D-081)

Surfaces of complex systems: amorphous materials and semiconductor nanoparticles
Galli G., Pizzagalli L., Catellani A. (1D-082)

Creation of Fundamental Reaction Steps on Single Molecules with a STM-Tip
Hla S.W., Kühnle A., Bartels L., Meyer G., Rieder K.H (1D-083)

Plasmon energy shift in Porous Silicon measured by X-Ray Photoelectron Spectroscopy (XPS)
Mannella N.M., Gabetta G.G., Parmigiani F.P (1D-084)

A magnetic dichroism study of Fe nanostructures on c(2x2)N/Cu(100) surface
Finetti P., Binn C., Edmonds K.W., Baker S.H., Teehan D., D'Addato S., Dhanak V.R. (1D-085)

Comparative Investigations Of Structure And Photoluminescence Of Si Low-Dimensional Systems
Polupan G.P., Torchynska T.V., Palacios Gomez J., Flores Gonzalez H.A., Ita Torre A., BulakhB.M., Scherbina L.V. (1D-086)

Plasmon energy shift in Porous Silicon measured by X-Ray Photoelectron Spectroscopy (XPS).
Mannella N. M., Gabetta G. G., Parmigiani F. P. (1D-087)

Photoemission electronic states of La1-xCaxMnO3
Krop K., Zalecki R., Kolodziejczyk A., Kapusta C. (1D-088)

The Temperature Dependence of the Circular Dichroism in Angular Resolved Photoemission from Rare Earth Surfaces: Gd(0001)
Fecher G.H. (1D-089)

Valence Band Electronic Structures of Pauli Paramagnetic Cr and Ni Pnictides
Kimura A.K., Takaichi Y.T., Shimada K.S., Hirai C.H., Sato H.S., Nakatake M.N., Taniguchi M.T., Fujimori A.F., Nozue T.N., Kamimura T.K. (1D-090)

Soft X-ray Magnetic Circular Dichroism Study of The Ferromagnetic Spinel-Type Cr Chalcogenides
Kimura A., Matsuno J., Okabayashi J., Fujimori A., Shishidou T., Kulatov E., Kanomata T. (1D-091)

Electronic Structures of Electrib-Doped Manganite: La0.7Ce0.3MnO3
Min B.I., Kwon S.K., Lee B.W., Olson C.G., Kang J.-S. (1D-092)

Magnetic effects in the band structure of ferromagnetic and antiferromagnetic lanthanide metal films
Schuessler-Langeheine C., Weschke E., Ott H., Grigoriev A.Yu., Moeller A., Meier R., Mazumdar C., Kaindl G. (1D-093)

Thickness dependence of electronic structure and magnetism of Fe/Rh(001)
Kakizaki A., Hayashi K., Sawada M., Harasawa A., Kimura A. (1D-094)

Electronic Surface States and Surface Magnetism of Fe(110) and Co(0001)

Math C., Braun J., Rangelov G., Donath M. (1D-095)

Mn-concentration Dependence of Fermi-level pinning in Ga1-xMnxAs
Kanski J., Ilver L., Oscarsson H., Karlsteen M., Sadowski J. (1D-096)

Fermi Surfaces and Magnetic Behavior of Thin FeNi Alloy Films
Hochstrasser M., Gilman N.A.R., Willis R.F. , Schumann F.O., Tobin J.G., Rotenberg E. (1D-097)

Spin Polarized Photoemission Study of Magnetite Films: extraction of the bulk polarization via a substrate overlayer model
Morton S.A., Waddill G.D., Tobin J.G., Kim S., Schuller I, Chambers S.A. (1D-098)

L-edge X-ray Magnetic Circular Dichroism of Ni Enzymes: Direct Probe of Ni Spin States
Wang H., Patil D.S., Ralston C.Y., Bryant C., and Cramer S.P. (1D-099)

Spin Polarization and Dichroism in ARUPS from Thin Rare Earth Films
Fecher G.H., Morais J., Liesegang J., Braun J., Oelsner A., Günther M., Schönhense G. (1D-100)

Dichroism in Angular Resolved XPS from Gadolinium Core-level
Morais J., Fecher G.H., Denecke R., Liesegang J., Fadley C.S. (1D-101)

X-ray photoelectron studies of spin state changes in 3d-metal systems
Shabanova I.N., Keller N.V., Sosnov V.A., Menshikov A.Z. (1D-102)

XPS Study of Antimony Segregation at Germanium Surface
Tabet N. (1D-103)

Electronic structure of self-assembled organic/inorganic semiconductor interfaces: lead phthalocyanine on InSb and InAs(100)c(8x2) as well as Si(111)root3xroot3R(30°)-Ag
Le Lay G., Giovanelli L., Papageorgiou N., Carrere M., Layet J.M. (1D-104)

Chemical-Bonding-State Analysis of Oxygen on Graphitic Surface in Microporous Carbon by Soft X-Ray Spectroscopy
Muramatsu Y., Ueno Y., Perera R.C.C. (1D-105)

Characterization of semifluorinated alkanethiols on Au and Ag metal surfaces by XPS, IRRAS and NEXAFS spectroscopy
Frey S., Heister K., Zharnikov M., Grunze M. (1D-106)

Angular Resolved Measurements of the Spin-Orbit Branching Ratio in Soft-X-Ray Photoelectron Spectroscopy from W(110)
Oelsner A., Schicketanz M., Morais J., Fecher G.H., Schönhense G. (1D-107)

Surface Core Level Shifts of Clean and Oxygen Covered Ru(0001)
Lizzit S., Stichler M., Reuter K., Baraldi A., Groso A., Keller C., Wurth W., Scheffler M., Menzel D. (1D-108)

Oxidation of Gd Films on Ni(110) Surface Studied by Photoemission
Xu F.Q., Zhu J.F., Sun Y.M., Pan H.B., Yu X.J., Xu P.S., Zhang X.Y., Zhuang S.X. (1D-109)

Hydrogen Adsorption on a HfC(111) Surface: Angle-Resolved Photoemission Study
Edamoto K., Yamazaki M., Noda T., Ozawa K., Otani S. (1D-110)

Ion desorption induced by the shake-up excitation from H2O/Si(100)
Tanaka S., Mase K., Nagaoka S., Kamada M. (1D-111)

High Resolution Si 2p Core-Level Spectroscopy for Molecular Adsorption on Si(100)c(4x2) surfaces: The Interface Bonding and Charge Transfer between the Molecule and Si Substrate
Yamashita Y.Y., Hamaguchi K.H., Machida S.M., Nagao M.N., Yasui F.Y., Mukai K.M., Yoshinobu J.Y. (1D-112)

RAS: A new probe of surface states in ambient conditions.
Weightman P., Martin D., Maunder A. (1D-113)

Observation of Ga 3d Two-Hole States from GaAs Surfaces
Suzuki S., Kiyokura T., Maeda F., Nath K.G., Watanabe Y., Saitoh T., Kakizaki A. (1D-114)

Observations of Surface Core-Exciton and its Decay on Solid Xe
Tanaka S, More S.D., Kamada M. (1D-115)

Photoemission from Pt(111)-(hex)Rb and Pt(111)-(4x1)RbO using Polarized Synchrotron Radiation
Morais J., Oelsner A., Schoenhense G., Fecher G.H., Landers R., de Siervo A., KleimanG.G. (1D-116)

X-Ray Absorption Fine Structure and X-Ray Photoelectron Spectroscopy Study of Mixed Oxides Obtained by Sol-Gel Processing Method
Goncalves J.E., Gushikem Y., Ramos A.Y., Alves M.C.M., DeCastro S.C. (1D-117)

Rotationally Resolved Two-Dimensional Photoelectron Spectroscopy of Vibrational Autoionisation in Molecular Hydrogen
Sokell E., Wills A. A., Cubric D., Odling-Smee M. K., Comer J., Hammond P. (1D-118)

Initial Stages of Pd Growth on Cu (111) by Photo-electron Diffraction
Kleiman G.G., De Siervo A., Landers R., Fazan T.A. (1D-119)

Photon Stimulated Ion Desorption for PMMA Thin Film in the Oxygen K-Edge Region Studied by Auger Electron-Photoion Coincidence Spectroscopy
Ikenaga E., Isari K., Kudara K., Kusaba K., Sardar S. A., Wada S., Mase K., Sekitani T., Tanaka K. (1D-120)

Calculation of short-range-order surface segregation and phase separation in Fe-Cr thin film alloys
Polak M., Rubinovich L., Fadley C.S. (1D-121)

POSTER SESSION 2: 1:00 - 3:30 PM WEDNESDAY

Photofragmentation of Carbonyl Sulfide (OCS) following Photoexcitation near C 1s, O 1s and S 2p Thresholds
Dang L. T. N., Dominguez Lopez I., Ohrwall G., Sant' Anna M., Cunliff C., Stolte W. C., Schlachter A. S., Lindle D. W. (2D-001)

Cation and Anion Formation of CO2 in the Vicinity of the C 1s and O 1s Core Levels
Ohrwall G., Sant'Anna M., Stolte W. C., Dominguez I., Dang L., Perera R. C. C., Lindle D. W. (2D-002)

Dipolar Angular Distributions and Branching Ratio of Xenon 4d Photoelectrons in the Photon Energy Range of 100-250 eV
Wang H., Snell G., Hemmers O., Langer B., Sant'Anna M. M., Berrah N., Lindle D. W. (2D-003)

Observation of Non-Dipolar Effects of Xenon 4d Photoelectrons in the Vicinity of Cooper Minimum
Wang H., Hemmers O., Focke P., Sant'Anna M.M., Lukic D., Grush M.M., Stolte W.C., Sellin I., Lindle D. W. (2D-004)

Radiative and Relativistic Effects in the Decay of Highly-Excited States in Helium
Gorczyca T.W. (2D-005)

Vibronic couplings in C 1s Photoabsorption Spectra of Acetylene, C2H2
Kosugi N., Adachi J., Shigemasa E., Yagishita A. (2D-006)

Auger decay at the 1s-1np (n=3-5) resonances of Ne
Jurvansuu M., Kivimäki A., Heinäsmäki S., Alitalo S., Nõmmiste E., Aksela H., Aksela S. (2D-007)

A Partial Reassignment of Valence Photoelectron Satellite Lines of Kr and Xe
Kivimäki A, Alitalo S., Matila T., Aksela H., Aksela S. (2D-008)

Refinement in the Analysis of Molecular Auger Electron Spectra: the L2,3VV Spectra of HCl and DCl
Pennanen V., Püttner R., Kivimäki A., Aksela H., Jurvansuu M., Alitalo S., Nõmmiste E., Aksela S. (2D-009)

Single and Double Ionization Studies of SiF4 by Using Synchrotron Radiation and Photoelectron-Photoion-Photoion Coincidence Spectroscopy (PEPIPICO)
Santos A.C.F., Lucas C.A., De Souza G.G.B. (2D-010)

Fragmentation Of CH4 Dications Studied By Auger Electron-Ion Coincidence
Fainelli E., Maracci F., Mastropietro M., Leonardi F., Avaldi L. (2D-011)

A Near-Threshold Study on Xe 3d Photoionization
Kivimaki A., Hergenhahn U., Kempgens B., Hentges R., Piancastelli M.N., Maier K., Ruedel A., Tulkki J., Bradshaw A.M. (2D-012)

Wave Function Collapse With Increasing Ionisation: Changes In Behaviour In The Elements Near Xenon
Sokell E., O'Sullivan G., Cummings A., Conway J., Costello J.T., Dunne P., D'Arcy R., Kennedy E.T., McGuinness C., Murphy N. (2D-013)

Resonant Photoexcitaion of Si(001), (111) measured with Two-Photon Photoemission.
Munakata T., Shudo K. (2D-014)

Circular Dichroism in the Valence-Photoionization of Free NO Molecules
Gessner O., Hempelmann A., Becker U., Guyon P.-M. (2D-015)

Decay of Coherently Excited States Produced by Photon-Electron and Electron-Electron Interactions: Effects on Angular Distributions
Heinäsmäki S. (2D-016)

Study of electron structure of metal cluster fragments [Mo3S7] 4+ and [Mo4S4]4+
Asanov I.P., Fomin E.S., Khudorozhko G.F., Parygina G.K., Il'inchik E.A., Mironov Yu.V. (2D-017)

Vibrational Excitation of CO2 at the O1s-1 sg* Shape Resonance
Pavlychev A.A., Ladonin D.Yu., Hergenhahn U. (2D-018)

Vibrationally Resolved Resonant Auger Studies of Core-Excited NO Near N and O K-edge
Wang H., Piancastelli M. N., Bässler M. Fink, R. F. Hjelte I. Feifel R. Björneholm O., Miron C., Giertz A., Burmeister F. (2D-019)

High resolution K-edge spectroscopy of oxygen transient species: excitation and ionization of the metastable O2 singlet molecule and O (3P) atom.
Richter R., Alagia M., Coreno M., de Simone M., Stranges S. (2D-020)

Sudden interchannel coupling in the Tl 6p ionization above the 5d threshold
Langer B., Plumer G., Zimmermann B., Hentges R., Cherepkov N.A., Becker U., Kleinpoppen H. (2D-021)

Mirroring doubly excited resonances in argon
Canton-Rogan S.E., Wills A.A., Gorczyca T.W., Wiedenhoeft M., Nayandin O., Liu C.N., Berrah N. (2D-022)

Electronic Structures of Organic Salts DMTSA-BF4 Using Photoelectron Spectromicroscopy
Haruyama Y., Kinoshita T., Takimiya K., Otsubo T., Nakano C., Yakushi K. (2D-023)

X-ray Spectromicroscopy Studies of Polymer Microstructure
Hitchcock A.P., Koprinarov I.N., Tyliszczak T., Stover H., Li W.H., Dutcher J.R., Murray C., Dalnakoi-Veress K., Ade H. (2D-024)

Laterally resolved determination of sp2/sp3 ratio - investigation of carbon thin films
Ziethen Ch., Schmidt O., Schönhense G., Frömter R., Gilles J., Kirschner J., Schneider C.M. (2D-025)

XANES microspectroscopy of biominerals with photoconductive charge compensation
Gilbert B., Margaritondo G., Douglas S., Nealson K.H., De Stasio G. (2D-027)

Magnetic Imaging of NiO/Ag(001) Thin Film using PhotoEmission Electron Microscope
Zhu W., Seve L., Sinkovic B., Scholl A., Anders S. (2D-028)

Separation Dynamics of a Luminescence from Raman Scatterings in Characteristic X-Ray Radiation Processes of Y Compounds
Mizouchi H.M., Nasu K.N. (2D-029)

Satellite-free O K emission spectra from O-bearing compounds
Uda M., Yamashita D., Yamamoto T., Osawa H., Kanai K., Perera R. (2D-030)

Characterization of Fe-bearing compounds in aerosol using Fe L emission spectra
Uda M., Yamashita D., Nakamatsu H. (2D-031)

Pre-K-Edge structure of Resonant X-ray Scattering in LaMnO3
Takahashi M., Igarashi J., Fulde P. (2D-032)

Spin-resolved APS for K-, L- and M-line emissions of Ni
Fujii J., Suzuki Y., Sakai T., Mizoguchi T. (2D-033)

Valence Excitations Observed in Resonant Soft X-Ray Emission Spectra of K2Ni(CN) 4H2O at the Ni 2p Edge
Kosugi N., Takata Y., Hatsui T., Agui A., Magnuson M., Sathe C., Rubensson J.E., Nordgren J. (2D-034)

Determination of the Phase Composition of Surface Layers in Porous Silicon by XPS and USXES Technique
Terekhov V.A., Kashkarov V.M., Manukovskii E.Yu., Shchukarev A.V., Domashevskaya E.P. (2D-035)

Momentum dependence of pai-pai* excitation of benzene rings in condensed phases
Hayashi H.H., Watanabe N.W., Udagawa Y.U., Kao C.C.K. (2D-036)

Surface Sensitivity and Depth Resolution of Electron-Excited Soft X-Ray Emission Spectrascopy
Shulakov A.S., Brajko A.P., Zimina A.V., Egorov B.M. (2D-037)

M4,5 Resonant Raman Scattering with final 4p-4d holes in Te, La and Gd: trends of the many body effects
Tagliaferri A., van der Laan G., Borgatti F., Brookes N.B., Ghiringhelli G., Braicovich L. (2D-038)

XPS And XES Investigations Of D-P Resonance In Some Copper Halcogenides
E.P. Domashevskaya, V.V. Gorbachev, V.A. Terekhov, E.V. Panfilova, A.V. Shchukarev (2D-039)

The electronic structure of K6C60 studied by soft x-ray spectroscopy
Guo J.-H., Butorin S.M., Wassdahl N., Warwick T., Nordgren J. (2D-040)

Nanospectroscopy on InAs Nanocrystals
Watanabe Y., Heun S., Ressel B., Schmidt Th., Prince K. C. (2D-041)

X-Ray Photoelectron And X-Ray Emission Studies Of The Role Of The U 6p,5f- Electrons In Chemical Bonding Of Uranyl And Uranium Fluorides
Teterin Y.A., Terehov V.A., Ryzhkov M.V., Utkin I.O., Ivanov K.E., Nikitin A.S. (2D-042)

The Study Of The U5f- States In Uranium Oxides And Fluorides On The Basis Of The Sinchrotron Radiation Excited Soft X-Ray Absorption And Resonant Emission Spectral Structures
Ivanov K.E., Shuh D.K., Teterin Y.A., Butorin S.M., Guo J.-H., Magnuson M., Nordgren J., Allen P.G., Terminello L.J., Gallego G. (2D-043)

'Absorption in Emission' - Radiative Auger effect in silica, phosphate and sulfate
Urch D.S., West M., Vrebos B. (2D-044)

New crystals for soft X-ray spectroscopy (and the curious case of n = 0.707 for octadecyl hydrogen maleate)
Urch D.S, Hanif S. (2D-045)

Polarization Dependence of the Soft X-ray Raman Scattering at the L edge of TiO2
Harada Y.H. (2D-046)

Local Electronic States of Oxygen on Ni (111) Surface Studied by Metastable Atom Electron Spectroscopy
Aoki M., Taoka H., Kamada T., Masuda S. (2D-047)

Electronic and Atomic Structure of Sn/Ge(111) and Sn/Si(111)
Uhrberg R.I.G., Zhang H.M., Balasubramanian T. (2D-048)

Observation of the unoccupied electronic states of monolayer graphite by multi-photon photoelectron spectroscopy
Kinoshita I., Ino D., Matsumoto Y. (2D-049)

Vibrational fine structure in C 1s x-ray photoemission of chemisorbed ethylene and acetylene on Ni(100)
Denecke R., Neubauer R., Whelan C., Steinrueck H.-P. (2D-050)

Modification for extending the real space range in the holographic atomic imaging experiments
Lapeyre G.J., Xu S., Wu H.S., Keeffe M., Yang Y., Cruguel H. (2D-051)

Surface Electronic Structure of Lanthanide Metals from Soft X-Ray Emission
Shulakov A.S., Huebinger F., Starke K., Kaindl G. (2D-052)

Electron Spectroscopic Studies of 4-Mercaptohydrocynnamic Acid Self-Assembled Film on Au(111)
Abdureyim A., Masuda S., Aoki M., Okudaira K.K., Harada Y., Ueno N. (2D-053)

XPS and TPD Study of CO Interaction with Pd-Alumina and Pd-Aluminum Systems
Matolin V., Johanek V., Stara I., Tsud N., Veltruska K. (2D-054)

Counting quantum yield of the X-ray photoeffect.
Savinov E.P., Sidorenko V.A. (2D-055)

Statistics of External X-ray Photoelectric Emission
Savinov E.P., Taracheva E.Yu. (2D-056)

Interaction of the Metastable Molecular Oxygen with the Dangling Bonds of a Si(111)-(7x7) surface
Sakamoto K., Hirano M., Takeda H., Jemander S.T., Matsuda I., Amemiya K., Ohta T., Uchida W., Hansson G.V., Uhrberg R.I.G (2D-057)

Band structure of the misfit compounds NbS2PbS and NbS2SnS: Experiment and Theory
Brandt J., Kanzow J., Kipp L., Skibowski M., Krasovskii E.E., Schattke W., Traving M., Stettner J., Press W. (2D-058)

Orientation of unsaturated hydrocarbons on Pd(110) studied with NEXAFS and STM
Ogasawara H., Ichihara S., Okuyama H., Domen K., Kawai M. (2D-059)

Electron back-scattering contribution to the electron emission anisotropy by keV range electron beams
di Bona A., Luches P., Valeri S. (2D-061)

Electronic Structure of 1D Ca rows on Si(111)
Carlisle J.A., Turner M.S., Jones K.M., Baski A.A. (2D-062)

Photoemission Spectromicroscopy Study on Passivation of GaAs (100) by CH3CSNH2/NH4OH
Lu E.D., Yang Y., Zhou X.J., Kellar S.A., Bogdanov P.V., Huan A.C., Cerrina F., Hussain Z., Shen Z.X. (2D-063)

Determination Of The Adsorption Site By High Resolution Core Level Photoelectron Spectroscopy Of Adsorbate And Substrate Atoms
Netzer F.P., Surnev S., Sock M., Ramsey M.G., Wiklund M., Borg M., Andersen J.N. (2D-064)

Adsorption of O2 on Polycrystalline Re Metal at Room Temperature Studied by Synchrotron X-ray Photoemission Spectroscopy
Liu P., Shuh D.K. (2D-065)

Reaction mechanism and adsorbed states of cyclohexene on Si(100)(2x1)
Yoshinobu J., Yamashita Y., Mukai K., Akagi K., Tsuneyuki S., Hamaguchi K., Machida S., Nagao M., Yasui F., Sato T. (2D-066)

Relativistic Studies on the Electronic Structure and Properties of Open-Shell Atoms
Fritzsche S. (2D-067)

Deposition and Stability of Metal Ions on Oxidised Silicon Surfaces: Electrochemical Correlations
Suzer S. (2D-068)

SPLEED under the Existence of s-f Interaction
Kondo S. (2D-069)

Photoelectron Holography using Circularly Polarized Light
Fecher G.H., Oelsner A. (2D-070)

A Theoretical Investigation Of Photoemission Spectra From (Gaas)M(Alas)N Superlattices
Solterbeck C., Strasser T., Schattke W., Bartovs I., Cukr M., Jiricek P., Fadley C.S., Van Hove M.A. (2D-071)

Assistance of Valence Excitations in Formation of Shape Resonances in X-Ray Absorption of Free Molecules
Pavlychev A.A., Ladonin D.Yu. (2D-072)

Theoretical and experimental UPS and XAS spectra for misfit chalcogenides and related layer compounds
Schattke W., Krasovskii E.E., Tiedje O., Brandt J., Kanzow J., Kipp L., Skibowski M., Hytha M., Winkler B. (2D-073)

Measurement of the Electron Inelastic Mean Free Path of 23 Elemental Solids in the Energy Range 50-3400 eV
Tomastik C, Cabela T, Richter G, Brenner J, Werner W.S.M., Stoeri H. (2D-075)

The three step model in electron spectroscopy revisited
Werner S.M., Smekal W, Tomastik C, Stoeri H. (2D-076)

Molecular-Field Splitting of 2p3/2 Levels in Second-Row Atoms
Borve K. J., Karlsen T., Saethre L. J., Thomas T. D., Svensson S. (2D-077)

New Application of the Multiplet Theory: Calculation of the Electric Quadrupole and Dipole transitions in the K Pre-Edge Features of Fe and Cr ions - Multielectronic and Crystal Field Effects, p-d Hybridization, Linear Dichroism.
Arrio M.-A., Rossano S., Kiratisin A., Brouder Ch., Sainctavit Ph., Cabaret D., Rogalev A., Galoisy L., Calas G. (2D-078)

Theory of Magnetic Ordering and Multiplet Splitting at the Gd(0001) Surface
Shick A.B., Pickett W.E., Fadley C.S. (2D-079)

Electron Diffraction in Atomic Clusters: a Highly-Convergent Theoretical Approach for Large Cluster Sizes with Application to Photoelectron Diffraction and LEED
Garcia de Abajo F.J., Van Hove M. A., Fadley C. S. (2D-080)

Student Poster Session

Exact Asymptotic Bound State Wave Functions For Atoms
Klar H.W. (2D-081)

Electron mean free path in the partial electron yield acquisition mode
Frey S., Heister K., Zharnikov M., Grunze M. (2D-083)

Double-K-Shell Vacancy Production In Li-Like C3+ Ions Colliding With Helium
Al-Naser A.S., Landers A.L., Pole D.J., Knutson H., Ferguson S.M., Tanis J.A. (2D-084)

Angular distribution of ligand-field split components of iodine 4d photoemission in HI molecule
Cheng W.T., Snell G., Kukk E., Berrah N. (2D-085)

Electron Spectroscopic Stuides Of Stripe Correlations In Oxide Superconductors
Rao K.V.R. (2D-086)

Electronic properties of (C60, K)/Si(111) systems studied by electron energy loss spectroscopy
Iizumi K. , Ueno K., Saiki K., Koma A. (2D-087)
PEEM and MEEM of Chloroaluminum Phthalocyanine Ultrathin film on MoS2

Yasufuku H., Ibe T., Okumura M., Kera S., Okudaira K.K., Ueno N., Harada Y. (2D-088)

Time-resolved photoelectron spectroscopy of small metal cluster anions
Neeb M, Pontius N, Bechthold P.S., Eberhardt W. (2D-089)

The use of Auger Photoelectron Coincidence Spectroscopy to Deconvolute the M45N45N45 AES of Palladium
Creagh C.A, Thurgate S.M. (2D-090)

Fragmentation Of Kcl Molecules Induced By Photoabsorption In Low Energy Region
Huttula M., Pennanen V., Aksela H., Nõmmiste E., Aksela S. (2D-091)

Obserrvation of a quasi-1D Mott-Hubbard insulator: The re-entrant Na/Si(111)-3x1 surface
Chung J.W., Ahn J.R., Jeon D., Yu B.D. (2D-092)

Electron correlation effects in Auger cascade of argon following 2p-14s excitations
Huttula S.-M., Heinäsmäki S., Aksela H., Tulkki J., Kivimäki A., Jurvansuu M., Huttula M., Aksela S. (2D-093)

Investigation of the SiO2/Si(111) interface by means of photoelectron diffraction

Dreiner S., Schuermann M., Westphal C., Zacharias H. (2D-094)

Electronic Structure of Ge-Nanocluster Films Probed with Synchrotron Radiation
Bostedt C., van Buuren T., Franco N., Moller T., Terminello L.J. (2D-095)

Li-K Absorption Spectra of Various Lithium Compounds
Tsuji J, Kojima K, Ikeda S, Nakamatsu H, Mukoyama T, Taniguchi K. (2D-096)

Dynamical Localisation in the C 1s Photoionisation of Hydrocarbons
Hergenhahn U., Kugeler O., Rennie E.E., Ruedel O., Bernal F., Bradshaw A.M. (2D-097)

Auger Resonant Decay Following 1s->np (n=3,4,5) Excitation in Neon
Turri G., Battera G., Avaldi L., Camilloni R., Colle R., Simonucci S., Coreno M., Stefani G. (2D-098)

Correlation effects in Auger cascade studied by angle resolved Coincidence Electron Spectroscopy : the 1s->3p excitation in neon.
Turri G., Battera G., Avaldi L., Camilloni R., Ruocco A., Stefani G. (2D-099)

Mechanism of Ion Desorption Reaction of PMMA Thin Film Induced by Core Excitation
Oda E, Kanameda Y, Ikenaga E, Mitani M, Takahashi O, Saito K, Iwata S, Wada S, Sekitani T, Tanaka K. (2D-100)

First principle calculations of core-hole effects on Fe Kß spectra under high-pressure
Yamamoto T, Ebisuzaki T. (2D-101)

Vibrationally Resolved X-ray Photoelectron Spectra of C1s and N1s in Hydrogen Cyanide
Giertz A., Børve K., Bässler M., Wiesner K., Svensson S., Sæthre L.J. (2D-102)

Spin-polarized appearance potential spectroscopy of [FexCo1-x]/Cu(001)
Kang H.D., Rangelov G., Donath M. (2D-103)

Improving The Performance Of The Scanning Transmission X-ray Microscope STXM IV With A Dedicated Integrating Multi-segment Silicon Detector
Feser M., Jacobsen C., Rehak P., DeGeronimo G. (2D-104)

Elastic Scattering of Low- and Medium-Energy Electrons on Molecules: Influence of Non-Spherical Potentials in Multiple Scattering Calculations
Rolles D., Diez-Muino R., Garcia de Abajo F. J. (2D-105)

Multilayer Relaxation of Al(100) and Al(110) Surface: An ab initio Pseudopotential Study
Zheng J.C., Wang H.Q., Huan C.H.A., Wee A.T.S. (2D-106)

Angle resolved two-dimensional mapping of electron emission from Cl2 2p (L2,3) excitations.
Nayandin O, Kukk E, Wills A, Langer B, Bozek J.D., Wiedenhoeft M., Canton S., Cubaynes D., Berrah N. (2D-107)

Interference Effects between Auger- and Photoelectron in the Xenon N5O2,3O2,3Auger Decay
Wiedenhoeft M., Wills A. A., Canton S. E., Nayandin O., Berrah N., Viefhaus J., Becker U. (2D-108)

Spin asymmetry in (e, 2e) process on atoms by longitudinally polarized electrons
Bhullar A. S., Sud K. K. (2D-109)

Scanning tunnelling spectroscopy of La@C60 A metallic endohedral fullerene
Kann G., Wirth I., Eisebitt S., Klingeler R., Neeb M., Eberhardt W. (2D-110)

Photoelectron spectroscopy study on the Si(111)root7Xroot3-In surface
Nakamura K.N, Yeom H.W, Oh J.H, Hagimoto Y.H, Kihara T.K, Nakazono S.N, Ono K.O, Oshima M.O. (2D-111)

X-ray photoemission Spectroscopic Study of GaN Surface Chemistry and Electronic Properties during Au Contact Formation
Rickert K. A., Sun J., Zhang L., Redwing J.M., Himpsel F.J., Kuech T.F. (2D-112)

Resonant Photoemission of ICE epitaxially grown on Pt(111)
Nordlund D., Nagasono M., Ogasawara H., Näslund L.-Å., Mårtensson N., Nilsson A. (2D-113)

Direct observation of depth profile of magnetic moment by magnetic circular dichroism
Mun B. S. , Yang S.-H. , Mannella N. , Kay A.W. , Kim S.-K. , Kortright J. B. , Underwood J.H. , Hussain Z. , Fadley C. S. (2D-116)

Image potential state lifetimes on transition metal fcc (111) surfaces
Link S., Duerr H.A., Eberhardt W., Bielmayer G., Bluegel S., Chulkov E.V. (2D-117)

Optical , Electrical and Transport Properties of Tris-8-Hydroxyquinoline
Dinh V , Delgado G. , Terminello L. J., Lee H., Van Buuren T. , Nelson A., Franco N., Bostedt C. (2D-118)

New angle-resolved photoemission data on Bi2Sr2CaCu2O8 and Bi2Sr2CuO6
Chuang Y.-D., Gromko A.G., Dessau D.S., Aiura Y., Oka K., Ando Y., Eisaki H., Uchida S.I. (2D-119)

POSTER SESSION 3: 1:00 - 3:30 PM THURSDAY

Observation of Post-Collision Interaction in Atomic Inner-Shell Photoionization Accompanied by Emission of Two Auger Electrons
Ito K, Lablanquie P., Penent F., Hall R., Sheinerman S. (3D-001)

Relativistic dirac-fock multi-configuration calculations of energy levels n=16 and n=10,9 states for O4+ with Li-like core
Rashid K., Fricke B. (3D-002)

Photoeletron Angular Distributions from C and O K-Shells of Oriented CO Molecules; A Critical Comparison between Theory and Experiment
Ito K., Cherepkov N.A., Raseev G., Adachi J., Hikosaka Y., Motoki S., Sano M., Soejima K., Yagishita A. (3D-003)

Non-dipolar and Dipolar Angular Distribution of S 2s and 2p of SF6Core-Level Photoionization in the Vicinity of F 1s Excitation
Wang H., Hemmers O., Focke P., Sant'Anna M. M., Lukic D., Heske C., Perera R.C.C., Sellin I., Lindle D. (3D-004)

Multi-Atom Resonances on the Re Valence Orbitals
Hu Y.F., Bancroft G.M., Tan K.H. (3D-005)

Chemical Reactivity of Methylbenzenes from Core-Photoelectron Spectroscopy and Theory
Saethre L.J., Myrseth V., Bassler M., Wiesner K., Giertz A., Svensson S. (3D-006)

Multiple Scattering Theory of Photoelectron Angular Distributions and Shape Resonances from Oriented Diatomic Molecules
Diez Muino R., Rolles D., Garcia de Abajo F. J., Fadley C. S., Van Hove M. A. (3D-007)

Penning Ionization of Amides by Collision with He*(23S) Metastable Atoms
Kishimoto N. Osada Y., Ohno. K. (3D-008)

Cross sections for elastic scattering and bremsstrahlung of fast electrons scattered by C60
Zelfli Z., Amusia M.Ya., Baltenkov A.S., Krakov B.G., Msezane A. (3D-009)

Elastic electron scattering by C60 at low energy
Zelfli Z., Amusia M.Ya., Baltenkov A.S., Krakov B.G., Msezane A. (3D-010)

Suppression of the low-spin multiplet components in the 3p photoelectron spectra of atomic and solid 3d metals
Hansen J.E, v. dem Borne A., Johnson R.L., Sonntag B., Talkenberg M., Verweyen A., Wernet Ph., Schulz J., Gerth Ch., Obst B. (3D-011)

Autoionization of Triply Excited Rydberg Series
Hansen J.E., Verbockhaven G. (3D-012)

The gas phase L2,3VV Auger electron spectra of chlorine
Kivilompolo M., Kivimäki A., Aksela H., Huttula M., Aksela S., Fink R.F. (3D-013)

The electronic screening effect in impact-parameter calculations
Orban A., Sulik B. (3D-014)

Study of the transfer-loss process in collisions of Li-like ions with light targets at low energies
Orban A., Zouros T.J.M., Gulyas L., Sulik B. (3D-015)

KLL Auger Transitions in Metallic Cu and Ni
Kover L., Cserny I., Toth J., Varga D., Mukoyama T. (3D-016)

Electronic Structure Contributions to Redox Potentials in High Spin Iron Species
Basumallick L, Kennepohl P, Solomon E.I. (3D-017)

Signatures of multiple scattering in the spectra of electrons emitted in intermediate velocity C+ + inert gas collisions

Orban A., Sulik B., Koncz Cs., Tokesi K., Berenyi D. (3D-018)

Compton photon-electron coincidence spectroscopy studies of 3D-electron momentum densities in solids
Bell F., Schneider J. R. (3D-019)

Core level broadening in alloys: a controversial new link between electron spectroscopy and first principles theory
Weightman P., Newton A.W, Vaughan A., Cole R.J., Brooks N.J., Lewis D. (3D-020)

Quasi-Atomic MVV Auger Spectra of Pd Metal: Cascade Processes
Kleiman G.G., De Siervo A., Landers R., Carazzolle M.F. (3D-021)

An X-ray Photoemission Study of the Effect of ã-Irradiation on Fluorinated Tl-1223 High Tc Superconductors
Hamdan N.M., Faiz M. (3D-022)

Chemical State Information from the Near-Peak region of the X-Ray Photo-Electron Spectrum
Castle J.E., Salvi A.M. (3D-023)

Band mapping of single crystal molybdenum disulfide
Klepeis J. E., van Buuren T., Hart G.L.W., Bostedt C., Franco N., Lince J. R., Terminello L. J. (3D-024)

A new application for Koopmans energies
Matthew J.A.D, Hewitt P, Yousif F.N. (3D-025)

Electronic Structure Study of PtSi by Synchrotron Radiation Photoelectron Spectroscopy
Franco N., Klepeis J.E, Van Buuren T., Bostedt C., Heske C., Terminello L.J. (3D-026)

XPS-studies of the electronic structure of Fe-X (X = Al, Si, P, Ge, Sn) systems
Shabanova I.N., Kormilets V.I., Terebova N.S. (3D-027)

Excitation of plasmons of anisotropic nanostructures by nearby electrons
Henrard L., Stephan O., Kociak M., Lambin Ph., Colliex C., Lucas A.A. (3D-028)

Determination of the momentum-transfer dependence of the Fano parameters of the low-lying doubly excited transitions and first observation of nondipole autoionization resonances in He and Ar
Leung K.T., Fan X.W. (3D-029)

EELS Investigation of Pd Thin Film Growth on Aluminum Oxide Substrate
Stara I., Matolin V. (3D-030)

Quantitative measurement of surface excitations in quasielastic electron reflection on polycrystalline Al, Si and Au for energies between 200 and 3400 eV
Smekal W, Werner W.S.M, Cabela T, Stoeri H. (3D-031)

Role of the Incident Beam Diffraction in EELS of Metal Surfaces
Nazarov V.U. (3D-032)

Scattering mechanism of electrons interacting with surfaces in specular reflection geometry
Ruocco A, Donzello M.P., Milani M., Stefani G. (3D-033)

Medium Energy Range HREELS as a tool for analytical and structural determination of solid surfaces
J. Toth (3D-034)

Observation of back-donation in 3d metal cyanide complexes through NK absorption spectra
Vinogradov A.S., Preobrajenski A.B., Knop-Gericke A., Molodtsov S.L., Krasnikov S.A., Nekipelov S.V., Szargan R., Haevecker M., Schloegl R. (3D-035)

Precise Interferometric Measurements of the Dispersion at the K- and L-absorption edges of Nickel
Backe H., Clawiter N., Dambach S., Euteneuer N., Hagenbuck F., Kaiser K.H., Kettig O., Kube G., Lauth W., Walcher Th. (3D-036)

Local Geometry and Electronic Structure of Al90FexCe10-x and
Soldatov A.V., Marcelli A., Mansour A.N., Cibin G., Yalovega G., Sevasyanova T. (3D-037)

XANES Spectra of Sesqui-oxides of Al, Cr and Fe
Uda M., Yamashita D., Terashi D., Yamamoto T., Osawa H., Kanai K., Perera R. (3D-038)

Water and Ammonia ices: Phase transition probed by NEXAFS
Bournel F., Tronc M., Laffon C., Parent Ph. (3D-039)

Resonant Auger Spectroscopy of Poly(4-hydroxystyrene) at C and O K edges
Gallet J.-J., Bournel F., Dufour G., Jolly F., Rochet F., Sirotti F., Torelli P. (3D-040)

Graphite-like Structure of Carbon Nitride Films Prepared by Low Energy Ion Implantation
Shimoyama I., Sekiguchi T., Guohua W., Baba Y. (3D-041)

X-Ray Absorption Near Edge Structure Spectra at the K-Edge of Boron Atom in Sodium Borate Glasses and Crystals
Yamamoto K., Tsuji J., Kojima K., Wada N., Taniguci K., Ikeda S. (3D-042)

Application of Soft X-Ray Absorption Spectroscopy to the Study of Passive and Oxide Layers of Stainless Steels: Influence of Ion Implantation
Gutiérrez A., López M.F., Pérez Trujillo F.J., Hierro M.P., Pedraza F. (3D-043)

Soft X-ray Absorption Edge Spectroscopy of Gaseous and Solid Inorganic Species
Cavell R. G., Jurgensen A. (3D-044)

Understanding Electronic Structure of Bi(Pb)-Sr-Ca-Cu-O Compounds
Asokan K., Jan J.C., Chiou J.W., Ming T.H., Pong W.F. (3D-045)

X-ray absorption and soft x-ray fluorescence analysis of KDP optics
Nelson A.J., van Buuren T., Land T.A., Bostedt C., Franco N., Whitman P.K., De Yoreo J.J., Baisden P.A., Burnham A.K., Terminello L.J. (3D-046)

NEXAFS Study of tris-(8-Hydroxyquinoline) Aluminum (Alq) and its Derivatives
Nanayakkara S.U., Padmaperuma A.B., Washton N., Schmett G, Sapochak L.S., Lindle D., Ohwarl G., Perera R.C.C. (3D-047)

K-Shell X-Ray Reflection and Absorption Near Edge Structure in Hexagonal BN
Filatova E.O. (3D-048)

State and Site Selective Fragmentation of SPF3 Following Inner-Shell Excitation
Neville J.J., Hitchcock A.P. (3D-049)

A High-Resolution Nexafs Study Of An Azimuthally Oriented Molecule: Bithiophene On Ni(110)-S And Cu(110)-O Surfaces
Netzer F.P., Koller G., Blyth R.I.R., Eck S., Ramsey M.G. (3D-050)

Formation Of Linear Metal-Plasma X-Ray Source For Producing Low-Photon-Energy Quasi-X-Ray Lasers Using A Capillary
Sato E., Matsumasa M., Hayasi Y., Takayama K., Tamakawa Y. (3D-051)

High-Photon-Energy Quasi-X-Ray-Laser Production From Plasma X-Ray Source
Sato E., Matsumasa M., Hayasi Y., Takayama K., Tamakawa Y. (3D-052)

The effect of annealing time on the electronic and atomic structures of the Fe-Cu-Nb-Si-B alloys
Pong W.F., Chang Y.K., Cheng Y.H., Tsai M.-H., Chen Y.Y. (3D-053)

Spectromicroscopy On Liquid Interfaces
Kaznacheyev K., Seo Y., Rafailovich M. (3D-054)

Inner-Shell Absorption Spectroscopy Of Amino Acids
Kaznacheyev K., Osanna A., Jacobsen C., Plashkevych O., Agren H., Carravetta V., Hitchcock A.P. (3D-055)

NEXAFS Spectra of Metallotetraphenylporphyrins with Adsorbed Nitrogen Monoxide
Okajima T., Yamamoto Y., Ouchi Y., Seki K. (3D-056)

Chemical Shifts in O-K edge ELNES/XANES of Oxides
Yoshiya M., Mizoguchi T., Nakano M., Tanaka I., Adachi H. (3D-057)

L-edge X-ray Absorption Spectroscopy of Biological Nickels: Oxidation States and Spin States
Wang H., Cramer S. P., Patil D. S., Gu W. -- moved to 4H-03 (3D-058)

NEXAFS Study of tris-(8-Hydroxyquinoline) Aluminum (Alq) and its Derivatives
Nanayakkara S.U., Padmaperuma A.B., Washton N., Schmett G, Sapochak L.S., Lindle D., Ohwarl G., Perera R.C.C. (3D-059)

Investigation of the BCS Density of States on a Conventional Superconductor by High-Resolution Photoemission Spectroscopy
Reinert F., Nicolay G., Probst U., Bucher E., Huefner S. (3D-060)

Ultrahigh-resolution photoemission spectroscopy of simple metals : Direct observation of superconducting gap and phonon-induced fine structures
Kiss T, Yokoya T, Chainani A, Shin S. (3D-061)

Temperature dependent Ce 3d-4f resonant photoemission study of CeFe2
Oh S.-J. (3D-063)

Resonant Inelastic Soft-X-ray Scattering of La1-xSrxCoO3 at Co 2p edge
Butorin S.M., Säthe C., Magnuson M, Nordgren J. (3D-064)

Resonant Soft X-ray Raman Spectra of Ni and Co Oxides at Metal 3p Threshold
Butorin S.M. (3D-065)

Ultrafast time-resolved x-ray measurements of polaron dynamics of charge-ordered Nd1/2Sr1/2MnO3
Kang I, Johnson S, Lindenberg A.M, Falcone R.W., Missalla Th, Heimann P, Kim K.H., Cheong S.W. (3D-066)

Recent ARPES results on Bi2Sr2CaCu2O8 - Fermi surface and anomalous dispersion
Bogdanov P.V., Lanzara A., Zhou X.J., Kellar S.A., Lu E.D., Feng D.L., Shimoyama J.-I., Gu G, Hussain Z., Shen Z.X. (3D-067)

Localization vs. delocalization in Auger resonant Raman scattering at the Cu 2p edges
Föhlisch A., Karis O., Weinelt M., Hasseltröm J., Nilsson A., Mårtensson N. (3D-068)

Temperature-dependent Angular Resolved UV-Photoemission Spectroscopy from CeNi2Ge2
Fecher G.H., Schmied B., Oelsner A., Schoenhense G. (3D-069)

Topology of the Fermi surface and Band Structure near the Fermi level in the Pb-doped Bi2Sr2CuO6+d superconductor
Takeuchi T., Yokoya T., Shin S., Jinno K., Matsuura M., Kondo T., Ikuta H., Mizutani U. (3D-071)

Two-Component Electronic Structure in the Stripe Phase and High Temperature Superconductors
Zhou X. J., Bogdanov P. V., Kellar S. A., Hussain Z., Shen Z. X. (3D-072)

Electronic structure of Nd1.85Ce0.15CuO4: The view from photoemission
Armitage N.P., Shen Z-.X., Tokura Y. (3D-073)

Fermi Surface, Surface States, and Surface Reconstruction in Sr2RuO4
Damascelli A., Lu D.H., Shen K.M., Armitage N.P., Ronning F., Feng D.L., Kim C., Shen Z.-X., Tokura Y., Maeno Y. (3D-074)

Anomalous Signature of Superfluid Density in the Single Particle Excitation Spectrum of High-Temperature Superconductors
Feng D.L., Lu D.H., Shen K.M., Shen Z.-X. (3D-075)

Physics of a Mott Insulator: an ARPES Study of Ca2CuO2Cl2
Ronning F., Kim C., Damascelli A., Armitage N.P., Lu D.H., Shen K.M., Miller L.L., Shen Z.X. (3D-076)

Observation of Superconducting Gap and in-Gap Bound State of YBa2Cu3O7-d Surface
Lu D.H., Feng D.L., Armitage N.P., Kim C., Shen K.M., Damascelli A., Shen Z.-X., Bonn D.A., Liang R., Tajima S. (3D-077)

Modification of Polyolefins with Silicon Copolymers: Processing, Bulk and Surface Properties
Suzer S., Yilgor E., Yilgor I. (3D-078)

Modification of alkanethiolate monolayers by low energy electron irradiation: A combined NEXAFS and XPS study
Frey S., Heister K., Zharnikov M., Grunze M. (3D-079)

Linear Dichroism in NEXAFS Spectroscopy for Surface Structure Analysis of Polymer Coatings
Luning J., Stohr J., Yoon D.Y., Hawker C.J. (3D-080)

Examination of Band Bending at Sexiphenyl/metal Interfaces Studied by UPS, MAES, and XPS: Charging Effect Induced by Metal Atoms Deposited onto an Organic Thin Film
Ishii H., Ito E., Oji H., Ouchi Y., Seki K. (3D-081)

Probing Chemical States and Charge Transfer on Modified Sulphide Surfaces: Information from X-ray and Electron Spectroscopies
Szargan R., Schaufuss A., Mayer D., Hallmeier K.H., Uhlig I., Nesbitt W. (3D-082)

Comparison of MEED- and XPD-diffraction patterns on Cu(001)
Reinicke D., Vicente-Alvarez M.A., Mueller F., Steiner P., Zampieri G., Huefner S. (3D-083)

Study On Electronic Properties And Bonding Configuration At BN/SiC Interface
Wang H.Q., Zheng J.C., Wee A.T.S., Huan C.H.A. (3D-084)

Effect of Gamma Irradiation on the Electronic Structure of Bi-2223 Superconductor
Faiz M., Hamdan N.M. (3D-085)

Surface Structure of Defected CaF2 (111) Layers Studied by Scanned Energy Photoelectron Diffraction
Ishii H., Shiraki S., Omori S., Imamura M., Matsubayashi N., Shimada H., Nihei Y. (3D-086)

Initial oxidation features of Si(100) and Si(111) studied by Si 2p core-level shift photoemission spectroscopy
Oh J.H., Yeom H.W., Nakamura K., Hagimoto Y., Ono K., Kakizaki A., Oshima M. (3D-087)

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