

A large, white, serif capital letter 'V' is centered within a series of concentric, semi-transparent circles. The background is a warm, orange-brown color with abstract, flowing lines and a pattern of small dots at the bottom.

Workshops

UVSOR 30th Anniversary

Date : December 6, 2013

Place: Okazaki Conference Center, Okazaki, Japan

13:00 - 13:50 Facility Tour

14:00 - 15:10 Memorial Lecture

Iwao Ohmine

(IMS Director-General)

Yoshiaki Ando

(Section chief of the Basic and Generic Research Division
of MEXT)

Masahiro Kato

(Director of UVSOR)

Nobuhiro Kosugi

(IMS Deputy Director General)

15:20 - 17:20 Special Lecture

Youichi Murakami

(Chairman of JSSRR, Director of Photon Factor)

Ingolf Lindau

(Professor Emeritus at Stanford University and Lund University)

Tetsuya Ishikawa

(Director of RIKEN SPring-8 Center)

UVSOR Symposium 2013

Date : December 7, 2013

Place : Okazaki Conference Center, Okazaki, Japan

09:00 - 09:05 Opening Remarks
M. Kato (UVSOR)

<Session 1, Chair : **T. Ito**>

09:05 - 09:25 Status of UVSOR-III
M. Kato (UVSOR)

09:25 - 09:40 Status of Electron Source Development in UVSOR
T. Konomi (UVSOR)

09:40 - 09:55 Spin-, Orbital-, and Momentum-Resolved Photoemission
Microspectroscopy Beamline
S. Kimura (UVSOR)

09:55 - 10:25 Measuring the Photoelectron Spectra of Fullerenes for 20 Years
S. Hino (Ehime Univ.)

<Session 2, Chair : **M. Matsunami**>

10:55 - 11:25 Angle-Resolved Photoelectron Spectroscopy for Graphite with Low Photon
Energy
S. Tanaka (Osaka Univ.)

11:25 - 11:40 High-Resolution ARPES Study on Related Material of Topological Crystalline
Insulator SnTe
Y. Tanaka (Tohoku Univ.)

12:00 - 14:30 Poster Session and Lunch

<Session 3, Chair : **M. Kato**>

14:30 - 14:55 Comprehensive Study of Photo-Excited States of Solids by VUV
Luminescence Spectroscopy
M. Kitaura (Yamagata Univ.)

14:55 - 15:20 Development of the Photoelectron Spectroscopy Beamline Suited for
Organic Molecular Solids: B12b Reconstruction
S. Kera (Chiba Univ.)

15:20 - 15:35 Overview of Chromospheric Lyman-Alpha SpectroPolarimeter
(CLASP) and Evaluations of its Optical Components with UVSOR
BL7B
N. Narukage (NAOJ)

15:35 - 15:50 Ultraviolet Photoelectron Spectra of Multiple Atoms Encapsulated
Fullerenes
T. Miyazaki (Ehime Univ.)

<Session 4, Chair : **E. Shigemasa**>

16:10 - 16:40 Electronic Structure of Organic Films & Interfaces Studied with
Synchrotron Radiation

- H. Yamane** (UVSOR)
 16:40 - 16:55 Preliminary Results of Spectromicroscopy of Biological Specimens
 Using Scanning Transmission Soft X-Ray Microscope (STXM)
A. Ito (Tokai Univ.)
- 16:55 - 17:10 The Study on Nickel-Borate Oxygen Evolution Catalyst by
 Electrochemical Soft X-Ray Absorption Spectroscopy
M. Yoshida (Keio Univ.)
- 17:10 - 17:25 Investigation of Magnetization of Co Ultrathin Films on W(110) by
 XMCD/XMLD
H. Nakano (Kyoto Univ.)
- 17:25 - 17:40 Closing Remarks and Discussion
K. Soda (Nagoya Univ.)

<Poster Session>

- P01 Synchrotron ARPES Study on Three-Dimensional Superconducting-Gap
 Structure of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$
T. Hajiri (Nagoya Univ.)
- P02 Magnetic Property of Vanadyl Phthalocyanine on Ferromagnetic Iron Surface
K. Eguchi (SOKENDAI)
- P03 In-situ Observation of Electrochemical Reaction of Aqueous Iron Sulfate
 Solution by Soft X-Ray Absorption Spectroscopy
M. Nagasaka (IMS)
- P04 Effect of Mechanochemical Coating on the Electrochemical Property of
 Li-Excess Mn-Based Layered Positive Electrode Materials
K. Takada (Kansai Univ.)
- P05 Conversion from the Ag^+ to Ag^- Centers in Electrolytically-Colored $\text{NaCl}:\text{Ag}^+$
 Crystals
T. Kawai (Osaka Prefecture Univ.)
- P06 In-situ Observation of Cyanopyrazine Hydration on TiO_2 by Soft X-ray
 Absorption Spectroscopy
H. Yuzawa (IMS)
- P07 Optical Spectroscopy of Rare-Earth Doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ (RE=Ce, Eu, Tb, Pr)
 Single Crystals
D. Susuki (Gifu Univ.)
- P08 Site-Specific Fragmentation of the C K-Shell Excited cis-Hexafluorocyclobutane
 Molecule Probed by the Auger Electron-Photoion Coincidence Method
S. Ishikawa (Hiroshima Univ.)
- P09 Valence Band Electronic Structure of $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ Synthesized under High
 Pressure
K. Takahama (Nagoya Univ.)
- P10 Emission and Excitation Spectrum of a-CN_x
D. Itoh (Univ. of Fukui)
- P11 Mass Resolved Velocity Map Imaging of Doubly Charged Photofragments from
 C_{60}
H. Katayanagi (IMS)
- P12 Multi-Electron-Ion Coincidence Spectroscopic Study of Stability of Molecular

Dications

- I. Umekawa** (Niigata Univ.)
- P13 Transient Phenomena of Charge-Up Effects in X-Ray Probe Spectroscopy
K. Okada (Waseda Univ.)
- P14 Development of Spectroscopic Ellipsometry for UV-VUV Region
Y. Kubo (Univ. of Fukui)
- P15 Angle-Resolved Photoemission Spectroscopy of C₆₀ Single Crystal Films
H. Masuda (Tokyo Institute of Technology)
- P16 Interface Electronic Structures of Various n-Type Organic Overlayers Stacked onto the NPB Films Modeling Donor-Acceptor Heterojunctions in Organic Light Emitting Diodes
Y. Nakayama (Chiba Univ.)
- P17 Measurement of Emittance in Aichi Synchrotron Radiation Center
R. Kawakami (Nagoya Univ.)
- P18 Low-Photon-Energy Polarization-Dependent Angle-Resolved Photoemission Study on Quasi-One Dimensional Organic Conductor (TMTSF)₂SbF₆
M. Mitamura (Nagoya Univ.)
- P19 Optical Spectra and Electronic Structure of SrCeO₃ Crystals
H. Numata (Yamagata Univ.)
- P20 X-Ray Absorption of Trace Elements by Fluorescence Yield with Silicon-Drift Detector
H. Murata (NIMS)
- P21 Electronic Structure of Heusler-Type Fe₂V_{1+x}Al_{1-x} Thermoelectric Materials Studied by Angle-Resolved Photoemission Spectroscopy
K. Ando (Nagoya Institute of Technology)
- P22 The Effect of the Microwave Irradiation on ZnO
K. Yoshida (Kyoto Univ.)
- P23 Characterization of Photoinduced Phenomena in Amorphous Chalcogenide Semiconductors by Vacuum Ultraviolet Absorption Spectroscopy
K. Hayashi (Gifu Univ.)
- P24 Effect of Nb Doping on the Thermoelectric Properties of ZrNiSn Half-Heusler Compounds
K. Hattori (Nagoya Institute of Technology)
- P25 Formation of Metastable Carbon Dioxide Dications Studied with Electron-Ion Coincidence Spectroscopy
Y. Shibata (Niigata Univ.)
- P26 Study on the Interface State Formed by Surface-Induced Aromatic Stabilization
K. Kato (Chiba Univ.)
- P27 Auger-Free Luminescence Spectra and Decay Curves of A₂ZnCl₄ (A = K, Rb, Cs) Crystals
T. Sasaki (Yamagata Univ.)
- P28 Measurement of Temporal Response of Transmission-Type Spin-Polarized Photocathodes
T. Inagaki (Nagoya Univ.)
- P29 Development of Transmission-Type Polarized Electron Source for Inverse Photoemission Spectroscopy
Y. Kajiura (Nagoya Univ.)

- P30 Electronic Structures of the L-Cysteine Ad-Layers on Noble Metal Surfaces Studies by Ultraviolet Photoelectron Spectroscopy and Photoelectron Yield Spectroscopy
K. R. Koswattage (CFS)
- P31 Very Small Polarization Energy of Organic Semiconductor: Non-Relaxation State Upon Isolation of π -MO in the Film
T. N. Anh (Chiba Univ.)
- P32 Development of Multi-Alkali Photo Cathode with Transparent Superconductor
R. Inagaki (Nagoya Univ.)
- P33 Optical Properties of Rare-Earth-Doped Materials for Vacuum Ultraviolet Device
T. Shimizu (Osaka Univ.)
- P34 Investigation of Local Structure of Zeolites Prepared Using Si-Based Waste Materials
M. Sato (Tohoku Univ.)
- P35 Evaluation of Positive Electrode Materials in Li Battery by Using Soft X-Ray Absorption Spectroscopy
S. Atobe (Kansai Univ.)
- P36 Characterization of Electronic Structures of Ge and $\text{Ge}_{1-x}\text{Sn}_x$ Surfaces by Using Angle-Resolved Photoelectron Spectroscopy
O. Nakatsuka (Nagoya Univ.)
- P37 In-situ Observation of the Surface Oxidation Process on Iron by Using Photoemission Spectroscopy
M. Kato (Nagoya Univ.)
- P39 Investigation of Local Structure of Ag, Cu-Doped Hydroxyapatite
H. Sakaguchi (Osaka Prefecture Univ.)
- P40 Electronic Structure of K-Doped EuO Ultrathin Films
H. Momiyama (Nagoya Univ.)
- P41 Angle-Resolved Photoemission Study on Insulator-to-Metal Transition of $\text{Sm}_{1-x}\text{Y}_x\text{S}$
M. Kaneko (Nagoya Univ.)
- P42 Current Status of STXM Beamline at UVSOR
T. Ohigashi (UVSOR)
- P43 Commissioning of Observation System and Seed Light Source of Coherent Harmonic Generation
S. Sekita (Nagoya Univ.)
- P44 Fe3p-3d Resonance Photoemission Study of $\text{Fe}_{2-x}\text{VAl}_{1+x}$
S. Osawa (Nagoya Univ.)
- P45 Valence-Band Electronic Structure of $\text{Ni}_{1-x}\text{Cu}_x\text{S}_2$
K. Usui (Nagoya Univ.)
- P46 CEES Measurements of the High Concentration Boron-Doped Diamond Films
K. Fukui (Univ. of Fukui)
- P47 Status of Light Source Development in UVSOR
T. Konomi (UVSOR)

UVSOR Mini-Workshop Accelerator Technologies for Small Synchrotron Light Sources

Date : March 27-28, 2014

Place: UVSOR 304, Okazaki, Japan

March 27th (Thur)

- | | |
|---------------|---|
| 13:30 - 13:35 | Opening Remarks
M. Katoh (UVSOR) |
| 13:35 - 14:00 | Present Status of UVSOR Accelerators
J. Yamazaki (UVSOR) |
| 14:00 - 14:30 | Present Status of Aichi-SR Accelerators
A. Mano (Nagoya Univ.) |
| 14:30 - 15:00 | The Trouble History of The SAGA Light Source
Y. Iwasaki (SAGA-LS) |
| 15:00 - 15:30 | Water Leakage Troubles, Orbit Instability at Saga-LS
T. Kaneyasu (Saga-LS) |
| 15:30 - 16:00 | Present Status of Accelerator of Ritsumeikan U. SR Center
Y. Yamamoto (Ritsumeikan Univ.) |
| 16:15 - | Other Topics From the Facilities
Control System and LOCO at Aichi-SR
T. Takano (Nagoya Univ.)
Beam Loss Monitor Using Optical Fiber at UVSOR
K. Hayashi (UVSOR)
Signal Generator Trouble at UVSOR
K. Hayashi (UVSOR) |

March 28th (Fri)

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|---------------|------------------------|
| 09:30 - 10:30 | UVSOR Facility Tour |
| 13:00 - 14:00 | Aichi-SR Facility Tour |

IMS Workshop on Advanced Spectroscopy of Correlated Materials (ASCM 13)

Date : August 2 - 4, 2013

Place: Okazaki Conference Center, Okazaki, Japan

August 2nd (Fri)

- 17:00 - 20:00 Registration
18:00 - 20:00 Welcome Reception

August 3rd (Sat)

<Session 1. Heavy Fermion System, Chairperson : **M. Matsunami**>

- 10:10 - 10:35 Global K-Space Perspective of Temperature-Dependent U 5f-States in URu_2Si_2
J. Denlinger (Lawrence Berkeley National Laboratory)
- 10:35 - 11:00 Soft X-Ray ARPES Study of Uranium Compounds
S. Fujimori (Japan Atomic Energy Agency)
- 11:00 - 11:25 Optical Study of Archetypical Valence-Fluctuating Eu Systems
J. Sichelschmidt (MPI Chemische Physik Fester Stoffe)
- 11:25 - 11:50 Low-Energy Optics of Uranium-Based Heavy Fermions: Drude Response of Slow and Fast Electrons
M. Scheffler (Univ. Stuttgart)
- 11:50 - 13:00 Group Photo and Lunch

<Session 2. Molecular Solids and Novel Technical Aspects including New Synchrotron Beamlines, Chairperson : **G.R. Sunye**>

- 13:00 - 13:25 Time-Resolved ARPES of Graphite Using Femtosecond Pulsed Light in the Deep-to-Extreme UV Region
Y. Ishida (Univ. Tokyo)
- 13:25 - 13:45 Electron-Phonon Coupling Investigation Via Phonon Dispersion Measurement in Graphite by Angle-Resolved Photoelectron Spectroscopy
S. Tanaka (Osaka Univ.)
- 13:45 - 14:05 Angle-Resolved Photoemission Study of Quasi-One-Dimensional Organic Conductor
T. Ito (Nagoya Univ)
- 14:05 - 14:20 Coffee Break
- 14:20 - 14:45 Angle Resolved Photoemission Spectroscopy of Two Dimensional Organic Metal
T. Kiss (Osaka Univ.)
- 14:45 - 15:15 SOR-ARPES Studies on Pi-Electronic Interaction in Organic Films and Interfaces
H. Yamane (IMS)
- 15:30 - 16:30 UVSOR Site Tour
- 16:30 - 18:30 Check-in and Free Time
- 18:45 - 21:00 Open-air Banquet at IMS

August 4th (Sun)<Session 3. Rare-Earth and Transition Metal Oxides, Chairperson **H. Miyazaki**>

- 09:00 - 09:25 Observation of Laser-Induced Magnetization Precession in Ferromagnetic EuO
T. Makino (Univ. Fukui)
- 09:25 - 09:50 Investigating the Spin-Polarized Metal-Insulator Transition in Carrier Doped $\text{Eu}_{1-x}\text{Gd}_x\text{O}$ Thin Films and Heterostructures by ARPES
K. Shen (Cornel Univ.)
- 09:50 - 10:15 Quantum Confinement of Strongly Correlated Electrons in Oxide Artificial Structures
K. Yoshimatsu (Tokyo Institute of Technology)
- 10:15 - 10:40 Coffee Break

<Session 4. Topological Insulator, Chairperson **S. Kimura**>

- 10:40 - 11:05 Theoretical Proposal of Topological Insulator for a Kondo Insulator SmB_6
T. Takimoto (Hanyang Univ.)
- 11:05 - 11:30 Topological Phase Transitions in Ultrathin Films
T. Hirahara (Univ. Tokyo)
- 11:30 - 11:55 Spin-and Angle-Resolved Photoemission as a Direct Probe of Spin Textures in Topological Insulators
A. Kimura (Hiroshima Univ.)
- 11:55 - 12:20 Local Orbital Angular Momentum and Circular Dichroism ARPES
C. Kim (Yonsei Univ.)
- 12:20 - 12:30 Closing Remarks
S. Kimura (Osaka Univ.)





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