

The background features a large, stylized graphic of concentric circles and radiating lines, resembling a sunburst or a stylized letter 'V'. The circles are composed of various patterns, including solid lines, dashed lines, and dotted patterns. The radiating lines are thin and extend from the center towards the edges of the frame. The overall color palette is a range of warm, earthy tones from light beige to deep brown.

V

Workshops



## UVSOR Symposium 2014

Date: November 14-15, 2014

Place: Okazaki Conference Center, Okazaki, Japan

### November 14th (Fri)

13:00 - 13:05 Opening remarks

**T. Ohigashi** (UVSOR)

<Session 1, Chair: **M. Kitaura**>

13:05 - 13:15 Present status of UVSOR light source accelerator

**M. Katoh** (UVSOR)

13:15 - 13:35 Development of application technology of coherent light source and solid state spectroscopy

**S. Kimura** (Osaka Univ.)

13:35 - 13:55 Spin-, orbital symmetry-, and momentum-resolved photoemission spectroscopy at new beamline BL5U

**K. Tanaka** (UVSOR)

13:55 - 14:15 Optical properties of  $\text{Ca}_x\text{Sr}_{1-x}\text{F}_2$

**K. Toyama** (Nagoya Institute Tech.)

14:15 - 14:35 Morphological control and photoconductive properties of  $\text{YF}_3$  thin films prepared by pulsed laser deposition

**H. Ishikawa** (Nagoya Institute Tech.)

14:35 - 15:05 Coffee break

<Session 2, Chair: **K. Tanaka**>

15:05 - 15:25 Development of the photoelectron spectroscopy beamline suited for organic molecular solids: BL2B reconstruction II

**S. Kera** (IMS)

15:25 - 15:45 Ultraviolet photoemission spectra of  $\text{Sc}_2\text{C}_2@C_{82}$  and encapsulated cluster structure

**T. Miyazaki** (Ehime Univ.)

15:45 - 16:05 Application of scanning transmission X-ray microscopy into study on microbe-metal-mineral

**S. Mitsunobu** (Shizuoka Prefecture Univ.)

16:05 - 16:25 Auger decay and specific photofragmentation of *cis*-hexafluorocyclobutane

**K. Okada** (Hiroshima Univ.)

16:25 - 16:55 [Invited] Studies at UVSOR: From anthracene, supercritical Xe,  $\text{C}_{60}$  to amino acids and nuclear bases

**K. Nakagawa** (Kobe Univ.)

<Poster Session & Banquet>

17:30 - 18:00 Poster Session A

18:00 - 18:30 Poster Session B

18:30 - 21:00 Banquet

### November 15th (Sat)

<Session 3, Chair: **T. Hirahara**>

9:00 - 9:20 Missions of IMS and UVSOR

**N. Kosugi** (UVSOR)

9:20 - 9:50 [Invited] Local structures of aqueous solutions studied by soft X-ray absorption spectroscopy

- 9:50 - 10:10      **N. Nagasaka** (IMS)  
Angle- resolved photoemission study of  $\text{Sm}_{1-x}\text{Y}_x\text{S}$  and  $\text{YbPtSb}$   
**T. Ito** (Nagoya Univ.)
- 10:10 - 10:30      Time-resolved measurements of photoluminescence from dielectrics using SR in a single-bunch mode  
**Y. Ohki** (Waseda Univ.)
- 10:30 - 10:50      Coffee Break

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

- 10:50 - 11:10      Comprehensive study of photo-excited states of solids by VUV luminescence spectroscopy  
**M. Kitaura** (Yamagata Univ.)
- 11:10 - 11:30      Relationship between chemical bond and perpendicularly magnetic anisotropy in FeCo alloy/MgO interfaces revealed by XMCD  
**J. Okabayashi** (Tokyo Univ.)
- 11:30 -              Discussion and closing remarks  
**S. Kimura** (Osaka Univ.)

## &lt;Poster Session&gt;

- P01      Intrinsic luminescence and energy transfer from self-trapped excitations in binary rare-earth borates under vacuum UV excitation  
**A. Abe** (Akita Univ.)
- P02      Oxygen evolution catalyst studied by electrochemical soft X-ray XAFS  
**Y. Mitsutomi** (Keio Univ.)
- P03      Observation of DNA and protein distributions in mammalian cell nuclei using STXM  
**T. Ohigashi** (UVSOR)
- P04      Energy transfer from  $\text{Tl}^+$  to  $\text{In}^+$  in  $\text{NaCl}:\text{Tl}^+$ ,  $\text{In}^+$   
**A. Iguchi** (Osaka Prefecture Univ.)
- P05      CEES measurements of the high concentration boron-doped diamond films  
**S. Kondou** (Fukui Univ.)
- P06      Development of spectroscopic ellipsometry for VIS-VUV region  
**Y. Kubo** (Fukui Univ.)
- P07      Emission and excitation spectrum of  $\alpha\text{-CN}_x$   
**K. Ikeda** (Fukui Univ.)
- P08      Temperature dependence of PL and PLE of fluoride crystals in VUV region  
**R. Arita** (Osaka Univ.)
- P09      Electronic state calculation of Lu-containing fullerene by density function theory (DFT)  
**G. Takasumi** (Ehime Univ.)
- P10      Optical properties and an APES model of RbCl crystals doped with Au- ions  
**S. Yamasuso** (Osaka Prefecture Univ.)
- P11      Infrared spectroscopy of photo induced Defects in  $\text{Ce}^{3+}:\text{GAGG}$  Crystals  
**R. Inaba** (Yamagata Univ.)
- P12      Features and origin of the  $\alpha$  luminescence band in NaCl: Au- crystals  
**T. Kawai** (Osaka Prefecture Univ.)
- P13      Reflectance spectra of alanine single crystals in vacuum ultraviolet region  
**S. Tanaka** (Yamagata Univ.)
- P14      Generation of gamma-ray by inverse Compton scattering at BL1U and its application  
**H. Zen** (Kyoto Univ.)
- P15      Carrier density mapping of  $\text{Sm}_{1-x}\text{Y}_x\text{S}$  by infrared micro-spectroscopic imaging

- S. Kamei** (Osaka Univ.)
- P16 Observation of solid-liquid interface by soft X-ray absorption spectroscopy in transmission mode  
**H. Yuzawa** (IMS)
- P17 Electronic structure of chlorophyll a investigated by photoelectron spectroscopy and photoelectron yield spectroscopy  
**Y. Takeda** (Chiba Univ.)
- P18 Site-specific formation of metastable dications following inner-shell ionization of CO<sub>2</sub>  
**Y. Hikosaka** (Niigata Univ.)
- P19 Photoinduced change of vacuum ultra-violet absorption spectra in amorphous chalcogenide thin films  
**K. Hayashi** (Gifu Univ.)
- P20 Control of spectral response using compound fluoride materials Ca<sub>x</sub>Sr<sub>1-x</sub>F<sub>2</sub>  
S. Otani (Nagoya Institute Tech.)
- P21 Band gap and luminescent property of infrared emission scintillator crystals  
**A. Yamaji** (Tohoku Univ.)
- P22 Filterless VUV detector development by using CaF<sub>2</sub> thin films  
**H. Ishikawa** (Nagoya Institute Tech.)
- P23 Direct observation of electronic structure of insulating polymer to clarify the mechanism of contact electrification  
**T. Sato** (Chiba Univ.)
- P24 Spectator auger decay of *cis*-hexafluorocyclobutane across the F K threshold  
**T. Kaneda** (Hiroshima Univ.)
- P25 Observation of the electronic structure of Au (111) /Octanethiol/Copper phthalocyanine by ultraviolet photoelectron spectroscopy  
**M. Yamamoto** (Chiba Univ.)
- P26 Site-specific photofragmentation of the F K-shell excited *cis*-hexafluorocyclobutane molecule probed by the auger-electron-photoion coincidence method  
**S. Ishikawa** (Hiroshima Univ.)
- P27 Multi-electron coincidence study of electron emission from condensed water  
**R. Mashiko** (Niigata Univ.)
- P28 The electronic structure of pentacene single crystal  
**M. Yamamoto** (Chiba Univ.)
- P29 Three-dimensional angle-resolved photoemission study on heusler-type Fe<sub>2</sub>VAl thermoelectric materials  
**H. Miyazaki** (Nagoya Institute Tech.)
- P30 Photoemission spectroscopy for valence fluctuating quasicrystal and approximant  
**M. Matsunami** (UVSOR)
- P31 Angle-resolved photoemission study on LuPtSb  
**E. Tsuiki** (Nagoya Univ.)
- P32 Low-photon-energy polarization-dependent angle-resolved photoemission study of quasi-one dimensional organic conductor (TMTSF)<sub>2</sub>SbF<sub>6</sub>  
**M. Mitamura** (Nagoya Univ.)
- P33 Specification of the ionization energy of HAT-CN and its dependence on the atmosphere by ultraviolet photoelectron and photoelectron yield spectroscopies  
**A. Yoneyama** (Chiba Univ.)
- P34 XAS measurements on leydig cell of mice testis in cultural fluid  
**T. Ejima** (Tohoku Univ.)
- P35 Preparation of evaporated films of amino acids and nuclear bases for SR spectroscopy  
**K. Ishiyama** (Kobe Univ.)
- P36 Wide energy range absorption spectra of 20 amino acids and 5 nuclear bases  
**H. Tanaka** (Kobe Univ.)





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