

# UVSOR Users Meeting

Date: Nov 18-19, 2011

Place: Okazaki Conference Center, Okazaki, Japan

## Nov 18th (Thu)

<Session A, 13:00-14:30>

- A1 K. Soda (Nagoya Univ.)  
**Opening remarks**
- A2 M. Kato (UVSOR)  
**Prface**
- A3 M. Matsunami (UVSOR)  
**Present status of photoemission beamlines BL5U and BL7U**
- A4 E. Shigemasa (UVSOR)  
**Plan for BL4U**

Coffee break, 14:30-14:40

<Session B, 14:40-16:20 >

- B1 S. Tanaka (Osaka Univ.)  
**Charge density wave transition on the HOPG surface: Observation of the band folding by using the ARPES**
- B2 T. Hirahara (Tokyo Univ.)  
**Electronic structure and transport property for ultrathin films of topological insulators**
- B3 H. Miyazaki (Nagoya Inst. of Technology)  
**Electronic structure of EuO ultrathin films studied by three-dimensional angle-resolved photoemission spectroscopy**
- B4 T. Iizuka (SOKENDAI)  
**Pressure dependent reflectivity spectroscopy on CeIn<sub>3</sub> at low temperature**
- B5 H. Aritani (Saitama Inst. of Technology)  
**Mo L-edge XANES study of GTL catalysts measured at BL2A beamline**

<Poster Session, 16:30-18:00>

- P01 M. Tuboi (Osaka Univ.)  
**Electronic status of rare-earth ion in glass host by characterizing photoluminescence of rare-earth doped APLF glass scintillator**
- P02 S. Nagata (Osaka Pref. Univ.)  
**Energy transfer from CsI host crystals to Ag- centers in CsI:Ag-**
- P03 T. Yamamoto (Waseda Univ.)  
**Local environment analysis of dilute dopants by XANES**
- P04 Y. Imoto (Univ. Fukui)  
**Build of the VUV spectroscopic beamline BL3B**
- P05 K. Eguchi (IMS)  
**Magnetic properties of iron nanoparticles on  $\beta$ -Si<sub>3</sub>N<sub>4</sub>(0001)/Si(111)**
- P06 M. Sawa (Nigata Univ.)  
**Developments of a multi-electron coincidence spectrometer and a light chopper**
- P07 Y. Takagi (IMS)  
**Magnetic property of iron phthalocyanine on Co/Cu(001)**
- P08 K. Nakaya (Keio Univ.)  
**Charge transfer from methylthiolate monolayers on metal substrates studied by Core Hole-Clock spectroscopy**
- P09 K. Nakagawa (Kobe Univ.)  
**Fluorescence spectra of solid films of amino acids**
- P10 K. Soda (Nagoya Univ.)  
**Valence Band Electronic Structure of N-implanted TiO<sub>2</sub>**
- P11 T. Nomoto (Nagoya Univ.)  
**Electronic structure of Fe<sub>2-x</sub>M<sub>x</sub>VAI (M = Co, Rh, Ir)**

- P12 H. Momiyama (Nagoya Inst. of Technology)  
**Fabrication and evaluation of single crystalline EuO thin films with SrO buffer layer**
- P13 R. Niwa (Nagoya Univ.)  
**Charge density wave formation in GdTe<sub>2</sub>**
- P14 H. Iwayama (UVSOR)  
**Dissociative pathways of CF<sub>4</sub> studied by a double toroidal electron analyzer and ion momentum spectrometer**
- P15 M. Saito (Yamagata Univ.)  
**New Auger-free luminescence in molecular ionic crystals A<sub>2</sub>ZnCl<sub>4</sub> (A=Cs,Rb)**
- P16 T. Wakamatsu (Yamagata Univ.)  
**Luminescence properties of Ag-Y phosphor excited with VUV light**
- P17 Y. Suzuki (Yamagata Univ.)  
**Determination of the threshold energy for e-h multiplication in SrGa<sub>2</sub>S<sub>4</sub>:Eu<sup>2+</sup>**
- P18 Y. Nakamura (Fukui Univ.)  
**Development of spectroscopic ellipsometry for UV-VUV region**
- P19 S. Naruse (Fukui Univ.)  
**Polarization properties of optical reflectance, photoluminescence and photoluminescence excitation spectra from a-plane AlN**
- P20 M. Yamaguchi (Fukui Univ.)  
**Infrared reflectance spectra from InAlN mixed crystal thin-films**
- P21 Y. Ota (Tokai Univ.)  
**Dielectric function of impurity band of boron doped diamond**
- P22 T. Hajiri (Nagoya Univ.)  
**Polarization-dependent three-dimensional angle-resolved photoemission spectroscopy on LiFeAs**
- P23 K. Ogawa (Nagoya Univ.)  
**Carrier concentration dependence of superconducting gap in Bi<sub>2</sub>(Sr,La)<sub>2</sub>CuO<sub>6+δ</sub>**
- P24 T. Shimada (Nagoya Univ.)  
**High-resolution angle-resolved photoemission spectroscopy of FeSb<sub>2</sub>**
- P25 H. J. Im (Hirosaki Univ.)  
**Angle-resolved photoemission study of the electronic structure of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub>**
- P26 Y. Nakayama (Chiba Univ.)  
**Interface electronic structures of pn hetero-junctions in organic light emitting diodes**
- P27 P. K. Sarker (Yokohama National Univ.)  
**Photostability of free-amino acids and their precursor molecules exposed to simulated space radiation**
- P28 H. Zen (Kyoto Univ.)  
**Stabilization of injector and injection kicker in UVSOR-II**
- P29 Y. Taira (Nagoya Univ.)  
**Generation of ultra-short gamma ray pulses and application to positron annihilation lifetime study**

Banquet, 18:15-

### Nov 19th (Fri)

<Session C, 09:00-10:00 >

- C1 M. Nagasaka (IMS)  
**Soft X-ray absorption spectroscopy of liquids and aqueous solutions at BL3U**
- C2 H. Yamane (IMS)  
**Recent progress of solid-&-surface ARPES system at BL6U**
- C3 K. Mitsuke (IMS)  
**Valence structures of thin-film sumanene and azo dyes and the mechanism of extreme UV photodissociation in gaseous aromatic hydrocarbons**

<Session D, 10:10-12:00>

- D1 H. Murata (Kyoto Univ.)  
**Measurements of soft X-ray absorption spectra with silicon drift detector**

- D2 T. Nakagawa (IMS)  
**XMCD study of giant coercivity in Fe/W(110)**
- D3 H. Kobayashi (AIST)  
**Investigation on the structural changes of the  $\text{Li}_2\text{MO}_3\text{-LiMO}_2$  positive electrode materials with a high capacity in Li de-intercalation/intercalation process**
- D4 N. Narukage (ISAS/JAXA)  
**Overview of chromospheric Lyman-Alpha SpectroPolarimeter (CLASP) and its development with UVSOR BL7B**
- D5 S. Kera (Chiba Univ.)  
**Molecular orbital energy and symmetry of  $3d\text{-}2p$  hybridized state for metal phthalocyanine**
- D6 K. Hayashi (Gifu Univ.)  
**Observation of photoinduced phenomena in amorphous semiconductor materials by total photoelectron yield**

<Session E, 12:00-12:30>

- E1 K. Fukui (Fukui Univ.)  
**Present status of BL3B**
- E2 S. Kimura (UVSOR)  
**Next plan of BL5U**
- E3 **Discussion**

# Topical Meeting for FEL and High Power Radiation

Date: Dec 5-6, 2011

Place: Seminar room (#201) of main building, Institute for Molecular Science, Okazaki, Japan

## Dec 5th (Mon)

13:30-13:40 Opening Remarks

<Session 1: Short wavelength single pulse FEL and its application>

13:40-14:10 K. Togawa (RIKEN)

**Present status of beam commissioning at X-ray free electron laser facility SACLA**

14:10-14:30 T. Hara (RIKEN)

**Beam orbit correction in the undulator to the oscillation of SACLA**

14:30-14:50 T. Sato (RIKEN)

**Status of beam line development at XFEL SACLA**

14:50-15:20 E. Shigemasa (UVSOR)

**Atomic and Molecular processes in high power XUV laser field**

15:20-15:40 Coffee break

<Session 2: Storage Ring FEL>

15:40-16:00 N. Sei (AIST)

**Research and development of higher harmonic free electron laser**

16:00-16:20 M. Hosaka (Nagoya Univ.)

**Seeding of storage ring FEL and its application**

16:20-16:40 D. Tonaka (LASTI)

**Present status of laser Compton scattering gamma ray source at New SUBARU**

16:40-17:00 T. Kaneyasu (SAGA-LS)

**Generation of laser Compton scattering gamma ray at SAGA-LS**

17:00-17:20 Y. Taira (Nagoya Univ.)

**Generation of ultra-short gamma ray pulse via laser Compton scattering and its application to lifetime measurement of positron annihilation**

17:20-17:40 T. Hayakawa (JAEA)

**Feasibility of application study on laser Compton scattering gamma ray using FEL**

18:00-19:00 Visit to UVSOR

19:00-21:00 Banquet

## Dec 6th (Tue)

<Session 3: Short wavelength single pulse FEL and application>

09:00-09:20 M. Adachi (UVSOR)

**Coherent light source developments at UVSOR**

09:20-09:40 M. Kumaki (Waseda Univ.)

**THz-CSR and CTR sources using S-band compact electron linac**

09:40-10:10 S. Kimura (UVSOR)

**Application of high power THz Radiation**

10:10-10:30 Coffee break

10:30-10:50 R. Kato (Osaka Univ.)

**Simulation on ISIR FEL oscillation using FELO**

11:00-11:20 J. Shen (Osaka Univ.)

**Spectral measurement of THz FEL**

11:20-11:40	M. Fujimoto (Osaka Univ.) <b>Evaluation of FEL gain from measurement of temporal evolution of FEL power</b>
11:40-12:00	A. Irizawa (Osaka Univ.) <b>Development and use of high power THz FEL light source with L-band linac</b>
12:00-12:20	H. Zen (Kyoto Univ.) <b>Present status and prospects of KU-FEL (2011)</b>
12:20-12:40	K. Ishida (Kyoto Univ.) <b>Characteristic prediction of KU-FEL after installation of 1.8-m undulator</b>
12:40-12:50	Closing Remarks
13:00-14:00	Banquet



**Editorial Board**

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