

# Workshop

**UVSOR Workshop X**  
**Beamline Upgrade Project at UVSOR (III)**

March 7 and 8, 2003

**Mar. 7 (Fri) 13:00 – 18:00 (coffee break included)**

<First half> Coordinator: E. Shigemasa (UVSOR)

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|---------------|--|----------------------|
| 13:00 – 13:05 | Opening  | N. Kosugi (UVSOR)    |
| 13:05 – 13:25 | Performance of the upgraded UVSOR storage ring   | M. Katoh (UVSOR)     |
| 13:25 – 13:45 | FEL upgrade project  | M. Hosaka (UVSOR)    |
| 13:45 – 14:05 | Upgrade project of BL3U at UVSOR   | E. Shigemasa (UVSOR) |
| 14:05 – 14:25 | Upgrade project of BL5U at UVSOR   | S. Kimura (UVSOR)    |
| 14:25 – 14:40 | Upgrade project of BL6B at UVSOR   | S. Kimura (UVSOR)    |
| 14:40 – 14:55 | Present status of BL7U for in-situ observation on chemical reaction induced by SR irradiation using UHV-STM  | Y. Nonogaki (IMS)    |
| 14:55 – 15:25 | Beamline upgrade project and collaboration system, after turning the National Research Institutes for joint University Use into semi-autonomous agencies | N. Kosugi (IMS)      |
| 15:25 – 15:40 | Coffee break   |                      |

<Second half> Coordinator: S. Kimura (UVSOR)

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|---------------|--|--------------------------------------|
| 15:40 – 16:05 | Progress in studies at BL6B (IR) following its upgrade   | T. Nanba (Kobe Univ.)                |
| 16:05 – 16:30 | Prospect of surface-enhanced infrared absorption spectroscopy utilizing SR   | M. Osawa (Hokkaido Univ.)            |
| 16:30 – 16:55 | Outline, issues, and application of excitation spectra measured by UV and visible light detection                            | S. Emura (Osaka Univ.)               |
| 16:55 – 17:20 | Examination of basic concept on radiation chemistry using SR and present status and prospect of VUV-CD measurements with UR  | K. Nakagawa (Kobe Univ.)             |
| 17:20 – 17:45 | Dissociation and orientation of absorbed nitrogen oxides on metal surfaces   | T. Matsushima (Hokkaido Univ.)       |
| 17:45 – 18:10 | SR -laser combined experiments: inner-shell two-photon absorption measurements of BaF <sub>2</sub> and their future prospect | T. Tsujibayashi (Osaka Dental Univ.) |

**Mar. 8 (Sat) 9:00 – 12:45 (coffee break included)**

<First half> Coordinator: E. Shigemasa (UVSOR)

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| 9:00 – 9:25  | An approach towards elucidating double photoionization processes in molecules using a threshold-electron–electron coincidence technique     | M. Hikoska (KEK)  |
| 9:25 – 9:50  | Fruits from two years activity at BL4B; studies of dark states in valence and core excitation regions using of high-resolution spectroscopy | N. Kosugi (UVSOR) |
| 9:50 – 10:15 | Necessity of a high-performance EUV (10–100 eV) beamline  | K. Ito (KEK)      |

- 10:15 – 10:40 Research on surface chemistry at PF-BL-7A; dispersive NEXAFS  
and XPD H. Kondo (Univ. of Tokyo)
- 10:40 – 10:55 Coffee break
- <Second half> Coordinator: S. Kimura (UVSOR)
- 10:55 – 11:20 Characterization of the responsivity of GaN based UV detector A. Motogaito (Mie Univ.)
- 11:20 – 11:45 LiCAF as a VUV optical material and Ce:LiCAF as a laser media S. Ono & N. Sarukura (IMS)
- 11:45 – 12:10 Study of high-Tc superconductors by means of high-resolution  
photoelectron spectroscopy H. Matsui & T. Takahashi (Tohoku Univ.)
- 12:10 – 12:35 Electronic structures in low dimensional organic conductors utilizing  
high-resolution photoelectron spectroscopy T. Ito (RIKEN)
- 12:35 – Summary N. Kosugi (UVSOR)