

Workshops

UVSOR Workshop VIII

Beamline Upgrade Project at UVSOR (I)

26 and 27 November 2001

26 Nov. (Mon) 13:00 – 18:00 (coffee break included)

<First half> Chair and discussion leader: E. Shigemasa (IMS)

UVSOR upgrade project

13:00 – 13:20 Introduction of UVSOR upgrade project N. Kosugi (IMS)

13:20 – 13:45 Upgrade of the UVSOR storage ring M. Kato (IMS)

13:45 – 14:10 Current status of the novel beamline BL4B at UVSOR T. Gejo (IMS)

14:10 – 14:35 New undulator beamline BL7A at UVSOR Y. Nonogaki (IMS)

14:35 – 15:00 Upgrade project of BL3 at UVSOR T. Hatsui (IMS)

15:00 – 15:15 Coffee break

<Second half> Chair and discussion leader: N. Kosugi (UVSOR, IMS)

Current circumstance and future prospect of surface science at BL2B1

15:15 – 15:45 Site specific photoion desorption induced by inner-shell excitations T. Sekitani (Hiroshima Univ.)

15:45 – 16:15 Photoion desorption from transition metal oxide surfaces S. Tanaka (Nagoya Univ.)

16:15 – 16:45 Present status of studies on site specific ion desorption at BL2B1
and their future prospect S. Nagaoka (Ehime Univ.)

16:45 – 17:15 Studies on surfaces using coincidence spectroscopy at PF;
Current status and future plans K. Masa (KEK)

17:15 – 18:00 Comprehensive Discussion I

27 Nov. (Tue) 9:00 – 14:30 (lunch and coffee break included)

<First half> Chair and discussion leader: E. Shigemasa (UVSOR, IMS)

Present situation and future perspectives of surface science at PF

9:00 – 9:50 Frontiers of surface molecular sciences; Geometrical and electronic structures of adsorbates and their magnetisms on metal surfaces T. Yokoyama (Univ. of Tokyo)

9:50 – 10:30 Nano-scale science utilizing synchrotron radiation;
A few examples from recent work at PF K. Ono (Univ. of Tokyo)

Now and future for investigations in a gas phase at BL8B1

10:30 – 11:00 Dynamics following inner-shell excitations of large molecules K. Okada (Hiroshima Univ.)

11:00 – 11:30 Photodissociation processes of inner-shell excited organic molecules
studied by an Auger-electron–photoion coincidence technique H. Yoshida (Hiroshima Univ.)

11:30 – 12:00 Future perspectives of gas phase experiments at HiSOR A. Hiraya (Hiroshima Univ.)

12:00 – 13:00 Lunch

<Second half> Chair and discussion leader: N. Kosugi (UVSOR, IMS)

13:00 – 14:30 Comprehensive Discussion II

UVSOR Workshop IX

Beam line Upgrade II

~ Low-Energy Photoemission of Solids and Nano-Science at UVSOR ~

March 5 and 6, 2002

March 5, 2002

Upgrading UVSOR Chair: S. Kimura (Kobe Univ.)

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| 1300-1320 | Upgrading UVSOR | N. Kosugi (UVSOR) |
| 1320-1340 | Plan of upgrading UVSOR light source | M. Kato (UVSOR) |

Present status of VUV monochromator Chair: S. Kimura (Kobe Univ.)

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| 1340-1410 | Present status of HiSOR BL-9 (Off-Plane Eagle) | M. Arita (Hiroshima Univ.) |
| 1410-1440 | Present status of UVSOR BL7B | K. Fukui (Fukui Univ.) |
| 1440-1510 | Present status and future plan of UVSOR BL5A | K. Takahashi (UVSOR) |
| 1510-1530 | Coffee break | |

High-resolution angle-resolved photoemission Chair: K. Soda (Nagoya Univ.)

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| 1530-1600 | Electronic structure of superconductors studied by high-resolution angle-resolved photoemission at low temperatures | T. Kiss (Tokyo Univ.) |
| 1600-1630 | Angle-resolved photoemission of transition metal oxides with one- and two-dimensional structure (Utilization of SSRL) | K. Mizokawa (Tokyo Univ.) |
| 1630-1700 | Electronic structure of $\text{Bi}_2\text{Sr}_2\text{CuO}_{6+d}$ studied by high-resolution angle-resolved photoemission (Utilization of SRC and ISSP) | T. Takeuchi (Nagoya Univ.) |
| 1700-1730 | High-resolution low-temperature photoemission of d- and f- electron systems at HiSOR | K. Shimada (Hiroshima Univ.) |
| 1730-1800 | Discussion | |
| 1800-1830 | UVSOR tour | |
| 1900-2100 | Banquet (Club house restaurant) | |

March 6, 2002

Photoelectron-emission microscopy Chair: S. Kimura (Kobe Univ.)

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| 0900-0930 | MCD-microscopy of core electron using high brilliance circularly-polarized soft x-ray | S. Imada (Osaka Univ.) |
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0930-1000 Structural study of metal-SiC, -Si, contact using soft X-rays: PEEM, SXES

J. Labis (Okayama Univ.)

1000-1030 Present status of PEEM experiment

T. Kinoshita (Tokyo Univ.)

Multi-layered mirror Chair: S. Kimura (Kobe Univ.)

1030-1100 Development of wide band multi-layered mirror region and Schwarzschild optics for XUV region

T. Ejima (Tohoku Univ.)

Nano-science using photoemission Chair: K. Takahashi (UVSOR)

1100-1130 Photoemission of low-dimensional nano-metals

A. Tanaka (Tohoku Univ.)

1130-1200 ARUPS of organic materials at BL8B2 I: One-dimensional electronic structure of long chain molecules for nano-wire

H. Ishii (Tohoku Univ.)

1200-1230 ARUPS of organic materials at BL8B2 I: Present status of new ARUPS spectrometer and study on organic thin films

K. Okudaira (IMS)

1230-1300 Plan of SR in Saga Prefecture and study on nano-technology and materials

M. Kamada (Saga Univ.)