

The 20th Hiroshima International Symposium on Synchrotron Radiation

Materials science using VUV-SX synchrotron radiation: future directions of HiSOR

March 10th - March 11th, 2016
Hiroshima University, Faculty Club



Hiroshima Synchrotron Radiation Center, Hiroshima University (HiSOR)

<http://www.hsrc.hiroshima-u.ac.jp>

March 10th (Thursday)

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| Opening | Chairperson: K. Shimada | |
| ○ Hirofumi Namatame Director of Synchrotron Radiation Center, Hiroshima University | | 13:30 ~ 13:40 |
| Oral session 1 Soft x-ray MCD of surface nano structures | Chairperson: K. Shimada | |
| ○ Tetsuya Sato Keio University, Japan | | 13:40 ~ 14:20 |
| "Manipulation of magnetism of nano-sized 4d and 5d transition metals" | | |
| ○ Masahiro Sawada Hiroshima University, Japan | | 14:20 ~ 14:40 |
| "Magnetic properties of surface nanostructures studied by XMCD at HiSOR BL14" | | |
| Poster session (Activities at HiSOR) | | 14:40 ~ 16:10 |
| We will present the Best Student Poster Award. The winner will be announced during the welcome reception. | | |
| Oral session 2 Light sources | Chairperson : A. Kimura | |
| ○ Efim Gluskin Advanced Photon Source, ANL, USA | | 16:10 ~ 16:50 |
| "Novel undulators for FELs and next generation of light sources" | | |
| ○ Shigemi Sasaki Hiroshima University, Japan | | 16:50 ~ 17:30 |
| "Light sources development at HiSOR" | | |
| Welcome reception | Saijo HAKUWA HOTEL | 18:00 ~ 20:00 |

March 11th (Friday)

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| Oral session 3 VUV-CD spectroscopy of biomolecules | Chairperson : H. Sato | |
| ○ Martin B. Ulmschneider Johns Hopkins University, USA | | 9:00 ~ 9:40 |
| "Validating atomic detail peptide partitioning simulations using synchrotron radiation circular dichroism spectroscopy" | | |
| ○ Yudai Izumi Japan Atomic Energy Agency, Japan | | 9:40 ~ 10:10 |
| "VUV-CD measurements of histone H2A-H2B proteins: Secondary structural alteration induced by DNA damage responses" | | |
| ○ Koichi Matsuo Hiroshima University, Japan | | 10:10 ~ 10:30 |
| "Present Status and Future Plan of VUVCD Spectrophotometer at HiSOR" | | |
| Coffee break | | 10:30 ~ 10:50 |
| Oral session 4 Spin-resolved electron spectroscopy | Chairperson : M. Sawada | |
| ○ Markus Donath Westfälische Wilhelms-Universität, Germany | | 10:50 ~ 11:30 |
| "Spin up and spin down below and above the Fermi level: Spin-orbit effects in the electronic structure of W(110) and Ta(110) in comparison" | | |
| ○ Taichi Okuda Hiroshima University, Japan | | 11:30 ~ 11:50 |
| "Spin-resolved photoemission at BL-9B; progress and present status" | | |
| ○ Koji Miyamoto Hiroshima University, Japan | | 11:50 ~ 12:10 |
| "Future plan of spin- and angle-resolved photoemission at HiSOR" | | |
| Lunch | | 12:10 ~ 13:30 |
| Oral session 5 High-resolution ARPES | Chairperson : T. Okuda | |
| ○ Friedrich Theodor Reinert Julius-Maximilians University at Würzburg, Germany | | 13:30 ~ 14:10 |
| "Exploring the photoemission intensity in ARPES: information beyond band structure" | | |
| ○ Moritz Hoesch Diamond Light Source, UK | | 14:10 ~ 14:50 |
| "Angle-resolved photoemission spectroscopy at Diamond light source from 3D to quasi-1D" | | |
| ○ Kenya Shimada Hiroshima University, Japan | | 14:50 ~ 15:10 |
| "Present status and future plan of high-resolution ARPES at HiSOR" | | |
| ○ Hideaki Iwasawa Hiroshima University, Japan | | 15:10 ~ 15:25 |
| "LASER ARPES Toward Higher Spatial Resolution" | | |
| ○ Eike F. Schwier Hiroshima University, Japan | | 15:25 ~ 15:40 |
| "Towards Two Excitation sources for MicroSpot based Electron SpecTroscopy (TEMPEST)" | | |
| Closing | K. Shimada | |

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