

# The 28<sup>th</sup> Hiroshima International Symposium on Synchrotron Radiation

Materials Science using VUV-SX Synchrotron Radiation

Towards the future HISOR-II project

March 14<sup>th</sup> - March 15<sup>th</sup>, 2024

Hiroshima University, Faculty Club



Hiroshima Synchrotron Radiation Center, Hiroshima University (HISOR)

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

## March 14th (Thursday)

■ Opening	Chairperson: T. Okuda	9:30 ~ 10:05
○ Greeting Masashi Ohkubo (Deputy Director, Research Environment Division, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT))		
○ Greeting Atsushi Sugeta (Executive Vice President(Research), Executive Vice President, Hiroshima University, Japan)		
○ Kenya Shimada (Director of Synchrotron Radiation Center, Hiroshima University)		
"Overview of HISOR Activities and Future Plan"		
■ Photo session		10:05 ~ 10:30
■ Coffee break		10:30 ~ 11:40
■ Oral session 1 Spin ARPES	Chairperson: T. Okuda	10:40 ~ 11:40
○ Prof. Han Woong Yeom POSTECH, Korea		10:40 ~ 11:15
"Spin-resolved ARPES at Pohang Light Source and the future of Korean ARPES activity based on synchrotron"		
○ Koji Miyamoto Hiroshima University, Japan		11:15 ~ 11:40
"Spin-resolved photoelectron spectroscopy at HISOR -present status and future prospect~"		
■ Lunch		11:40 ~ 13:30
■ Poster session (Activities at HISOR)	Chairperson : H.Sato	13:30 ~ 16:20
We will present the Best Student Poster Award. The winner will be announced at Closing session.		
■ Coffee break		16:20 ~ 16:30
■ Oral session 2 Soft x-ray magnetic circular dichroism of nanomaterials	Chairperson : Xueyao Hou	16:30 ~ 18:05
○ Dr. Manuel Valdivares ALBA Synchrotron Light Source, Spain		16:30 ~ 17:05
"ALBA Synchrotron radiation techniques for oxide, 2D-vdW and other spintronic material"		
○ Dr. Naoyuki Maeshima Institute for Molecular Science, Japan		17:05 ~ 17:40
"Magnetic and Electronic property of transition metal phosphides interface of Ni <sub>x</sub> P/Fe <sub>2</sub> P"		
○ Xueyao Hou and Masahiro Sawada Hiroshima University, Japan		17:40 ~ 18:05
"Recent status of HISOR BL-14 -Magnetic interaction intermediated through a monatomic insulating layer, studied by XMCD experiment and computational method~"		
■ Welcome reception	La Bohème(Faculty Club 1F)	Chairperson : Mohamed Ibrahim 18:15 ~ 20:15

## March 15th (Friday)

■ Oral session 3 High-resolution ARPES	Chairperson : Kazuki Sumida	9:00 ~ 10:35
○ Prof. Daniel S Dessau Colorado University,USA		9:00 ~ 9:35
"Superconductivity and Flat Bands at the Fermi Level"		
○ Dr. Walid Malaeb Lebanese American University,USA		9:35 ~ 10:10
"Annealing effects in topological alpha-Sn/InSb heterostructures revealed by photoemission spectroscopy"		
○ Prof. Shin-ichiro Ideta Hiroshima University, Japan		10:10 ~ 10:35
"Recent Developments of ARPES Studies at HISOR BL-1"		
■ Coffee break		10:35 ~ 10:45
■ Oral session 4 VUV-CD spectroscopy of biomolecules	Chairperson : Mohamed Ibrahim	10:45 ~ 11:45
○ Dr. Frank Wien SOLEIL,France		10:45 ~ 11:20
"SRCD/OCD at DISCO overview and highlights"		
○ Prof. Koichi Matsuo Hiroshima University, Japan		11:20 ~ 11:45
"Recent Advancements in HISOR-VUVCD Spectrophotometer for Characterizing Biomolecule Structures"		
■ Coffee break		11:45 ~ 11:55
■ Oral session 5 Light source accelerators and insertion devices	Chairperson : Yao Lu	11:55 ~ 12:45
○ Prof. Shaikat Khan Technische Universitaet Dortmund, Germany		11:55 ~ 12:30
"DELTA - a university-based synchrotron light source"		
○ Prof. Masahiro Katoh Hiroshima University, Japan		12:30 ~ 12:55
"Compact synchrotron light source HISOR - present status and future prospects -"		
■ Closing	Chairperson : H. Namatame	12:55 ~ 13:10
○ Awarding of Student Poster Prizes and Closing Ceremony		