

***** The Program of AOFSSRR13 *****

Asia Oceania Week on Synchrotron Radiation
The 7th AOFSSRR Workshop

21st September (sat)

- 15:00 Registration
18:00 Welcome Party

22nd September (Sun)

- 9:00 Registration

9:30-10:00 Opening Address

Chair: Masaki Takata (RIKEN/JASRI/SPring-8, Japan)

Special Welcome Address:

Mr. Kisaburo Tokai (Member of the House of Representatives,, Chairman of the Special Committee on Promotion of Science and Technology, and Innovation)

Welcome Address: **Jun'ichiro Mizuki**, Conference Chair, President of JSSRR

Welcome Address: **Hongjie Xu**, President of AOFSSRR

Congratulatory Address: **Mr. Sadayuki Tsuchiya**, Director-General, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT)

10:00 Conference Photo

10:20-12:50 AOFSSRR Session:

New Perspective of Synchrotron Radiation Facility in AOF Region

Chair: Andrew Peele (Australian Synchrotron, Australia)

- 10:20 Global Trends of DLSR & XFEL
Tetsuya Ishikawa (RIKEN SPring-8 Center, Japan)
- 10:50 Construction Progress and Future Research Opportunities of the Taiwan Photon Source
Shih-Lin Chang (NSRRC, Taiwan)
- 11:20 < BREAK >
- Chair: Osamu Shimomura (JSPS, Japan)*
- 11:30 Current Status of PAL-XFEL Project
In Soo Ko (PAL, Korea)
- 12:00 Progress and Plans of Synchrotron Radiation Facilities in China
Hongjie Xu (SSRF/SINAP, China)
- 12:30 From Krabi's Initiatives to ASEAN Synchrotron: SLRI's Perspectives
Sarawut Sujitjorn (SLRI, Thailand)

12:50-16:00 Lunch & Poster Session, Facility Posters

16:00-18:20 Oral Session I. Recent Topics on Photon Science

Chair: Naoto Yagi (JASRI/SPring-8, Japan)

16:00 Non destructive imaging of Japanese Buddha statues

Junji Sugiyama (Kyoto Univ. Japan)

16:30 *In-situ* 3-dimensional Nano-Transmission X-ray Microscopy at NSRRC

Yen-Fang Song (NSRRC, Taiwan)

17:00 < BREAK >

Chair: Yoshiyuki Amemiya (The Univ. of Tokyo, Japan)

17:20 Advances in Small Angle Scattering for Soft Matter

Stephan Roth (DESY, Germany)

17:50 KOTOBUKI-1 apparatus for cryogenic coherent X-ray diffraction imaging at SPring-8 and SACLA

Masayoshi Nakasako (Keio Univ., Japan)

19:00- Reception

23rd September (Mon)

9:30-11:50 Oral Session II. New Applications (Nano, Magnetism, Industry, etc.)

Chair: Richard Garrett (ANSTO, Australia)

9:30 What's new of PES in SSRF

Shan Qiao (Shanghai Institute of Microsystem and Information Technology, CAS, China)

10:00 Synchrotron radiation-based Fourier Transform Infra-Red micro-imaging in service of forensic science

Agnieszka Banas (SSLS/NUS, Singapore)

10:30 < BREAK >

Chair: Sudip K Deb (Raja Ramanna Center for Advanced Technology, India)

10:50 SAXS Studies of Leather

Richard Haverkamp (Massey Univ., New Zealand)

11:20 Advances in SR diffraction techniques for magnetic and chiral materials

Hiroyuki Ohsumi (RIKEN SPring-8 Center, Japan)

11:50- Lunch

13:00-15:00 Oral Session III. (parallel) Innovation in SR Science

1. Green, Environment, Material, etc.

Chair: Tai Renzhong (SSRF/SINAP, China)

13:00 Development of *In Situ* Grazing Incidence Small-/Wide-angle X-ray Scattering for Bulk Heterojunction Thin-film Solar Cells at NSRRC

U-Ser Jeng (NSSRC, Taiwan)

13:20 Nano science in Thailand

Sukit Limpijumnong (Suranaree Univ. Thailand)

13:40 < BREAK >

Chair: Youichi Murakami (KEK, Japan)

14:00 Resonant Photoemission studies of $Ti_{1-x}Fe_xO_{2-d}$ epitaxial films

R J Choudhary (UGC-DAE-CSR, Indore, INDIA)

14:20 Phase Decomposition and Valence Change during Delithiation in Olivine-type $LiFePO_4/FePO_4$ System - An Application of Simultaneous XRD and XAFS Measurements -

Eiichiro Matsubara (Kyoto Univ., Japan)

2. Advanced Data Acquisition

Chair: Brendan Kennedy (The Univ. of Sydney, Australia)

13:00 Biomedical Applications of Synchrotron-based Infrared Microspectroscopy at NSRRC

Yao-Chang Lee (NSRRC, Taiwan)

13:20 The notable low tolerance of rat skin and bone marrow to synchrotron radiation: A bio-safety evaluation of single dose synchrotron radiation X-ray on young rat legs

Guoyuan Yang (Shanghai Jiao Tong Univ., China)

13:40 Development of X-ray 2D Detector for SACLA

Takaki Hatsui (RIKEN SPring-8 Center, Japan)

14:00 < BREAK >

Chair: Ryotaro Tanaka (JASRI/SPring-8, Japan)

14:20 Soft x-ray nanoscopes at the PLS: application activities and status

Hyun-Joon Shin (PAL, Korea)

14:40 Real-time observation of surface chemical reaction at millisecond resolution by means of soft X-ray dispersive XAFS

Kenta Amemiya (IMS-KEK, Japan)

3. Instruments, SR Tech., etc.

Chair: Mark Breese (SSLS, Singapore)

13:00 Feasibility Studies of Single Molecule Scattering Analysis with X-Ray Free Electron Lasers

Moonhor Ree (PAL/POSTECH, Korea)

13:20 Development of very short period undulators

Shigeru Yamamoto (KEK/IMSS/PF)

13:40 < BREAK >

Chair: In Soo Ko (PAL, Korea)

14:00 Radiation Damage and Aging Accelerator Components at the SPring-8

Shigeki Sasaki (JASRI, Japan)

14:20 Multipole wiggler beamlines at the Siam Photon Laboratory

Supagorn Rugmai (SLRI, Thailand)

14:50 XAFS facility at INDUS-2 Synchrotron Radiation source and recent results

Shambhu Nath Jha (Bhabha Atomic Research Centre, India)

15:00-16:30 General Assembly

Chair: Yoshihisa Harada (The Univ. of Tokyo, Japan)

15:00 Council Report

Masaki Takata (RIKEN/JASRI/SPring-8, Japan)

Overview of Cheiron School

15:40 Overview

Masaki Takata (RIKEN/JASRI/SPring-8, Japan)

15:50 Young Scientist Presentation I

Margie P. Olbinado (The Univ. of Tokyo, Japan)

16:00 Young Scientist Presentation II

Xeniya Kozina (JASRI/SPring-8, Japan)

16:10 Great Memories of the Cheiron School

Brendan Kennedy (The Univ. of Sydney, Australia)

16:30-17:00 Closing Session

Chair: Masaki Takata (RIKEN/JASRI, Japan)

16:30 Next AOFSSR

Shih-Lin Chang (NSRRC, Taiwan)

16:50 Closing Remarks: **Jun'ichiro Mizuki, Conference Chair, President of JSSRR**

24th September (tue)

9:00 Travelling from JR Himeji Station to SPring-8/SACLA

10:15 SPring-8/SACLA Site Tour

12:30 Lunch at SPring-8

13:30 Leave SPring-8

15:00 Travelling from SPring-8/SACLA to JR Himeji Station