

JPSR 60<sup>th</sup>  
Anniversary

60 years of Synchrotron Radiation  
in Japan (JPSR60)

October 24 (Tue) - 25 (Wed), 2023.

Okazaki Conference Center, Japan



The Japanese Society for Synchrotron Radiation Research

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# Program

## Day 1

12:30-13:00     **Reception**

Chair: Prof. Hitoshi Abe (KEK)

- 13:00-13:05     **Opening remarks**  
Prof. Shin-ichi Adachi (KEK, President of JSSRR)
- 13:05-13:10     **Guest speech**  
TBA (MEXT)
- 13:10-13:40     **Innovation and Discovery in Structural Biology Enabled by Synchrotron Radiation – Japan and an International Perspective**  
Prof. Keith Hodgson (Stanford Univ.)
- 13:40-14:10     **The Japanese Lightsource Experience – an international user perspective**  
Prof. Robert Lamb (The Univ. of Melbourne)
- 14:10-14:40     Coffee Break

Chair: Prof. Toshihiro Okajima (Aichi Synchrotron)

- 14:40-15:10     **A Personal Journey on Coherent Diffractive Imaging with Synchrotron Radiation in Japan**  
Prof. Jianwei (John) Miao (UCLA)
- 15:10-15:40     **Fruitful French-Japanese collaborations on synchrotron radiation and Free Electron Laser**  
Prof. Marie-Emmanuelle Couprie (SOLEIL)
- 15:40-16:10     **Past, present and future of VUV synchrotron-radiation based ARPES activity in Japan and Korea**  
Prof. Han Woong Yeom (Institute for Basic Science, Pohang Institute of Science and Technology)

16:10-16:40     Coffee Break

Chair: Dr. Toyohiko Kinoshita (JASRI)

- 16:40-17:10     **From "Kamikaze" to Synchrotron Radiation**  
Dr. Hideo Kitamura (RIKEN)

- 17:10-17:40     **Personal remarks on the synchrotron radiation facilities in Japan**  
Prof. Toshiaki Ohta(Ritsumeikan Univ.)
- 17:40-18:10     **Deeper materials sciences with use of synchrotron radiation in the last 47 years with international collaboration**  
Prof. Shigemasa Suga (Osaka Univ.)
- 18:10-18:25     **From parasitic to dedicated use of Synchrotron Radiation ( Video message)**  
Dr. Christof Kunz (ex-ESRF Director)
- 18:25-18:30     **Conference photo**
- 18:30-20:45     **Poster Session**
- 18:45-20:45     **Banquet**

## Day 2

Chair: Prof. Hiroki Wadati (University of Hyogo)

- 09:00-09:25     **Evolution of synchrotron light sources in Japan – SACLA and beyond –**  
Dr. Makina Yabashi (RIKEN)
- 09:25-09:50     **From Natural to Artificial Photosynthesis**  
Dr. Junko Yano (LBNL)
- 09:50-10:15     **Synchrotron soft X-ray emission spectroscopy in the past 30 years and the next 10 years**  
Prof. Yoshihisa Harada (The Univ. of Tokyo)
- 10:15-10:45     Coffee Break

Chair: Prof. Yusuke Wakabayashi (Tohoku University)

- 10:45-11:10     **Toward Next-Generation Coherent Diffraction Imaging**  
Prof. Yukio Takahashi (Tohoku Univ.)
- 11:10-11:35     **NanoTerasu, a new 3GeV SR facility in Japan**  
Dr. Wataru Utsumi (QST)
- 11:35-12:00     **SPring-8 Running Toward Future “MIRAI”**  
Dr. Yasutaka Nagai (Toyota Central R&D Labs Inc.)
- 12:00-12:10     **Closing remarks**  
Dr. Tetsuya Ishikawa (RIKEN)

## Facility Posters

1	NanoTerasu	Wataru Utsumi	NanoTerasu, a new 3GeV SR facility in Japan
2	Photon Factory KEK	Noriko Usami	Photon Factory, history and future
3	ISSP	Iwao Matsuda	13 years History of the Soft X-ray Spectroscopy at the University of Tokyo Synchrotron Radiation Outstation
4	UVSOR	Satoshi Kera	Present Status and Perspectives of UVSOR
5	AichiSR	Toshihiro Okajima	AichiSR: A Decade of Advancing Research and Innovation in Industry and Academia
6	Ritsumeikan University SR Center	Akinori Irizawa	Current Status of Ritsumeikan University SR Center
7	SPring-8, SACLA		
8	NewSUBARU	Satoru Suzuki	Industrial support and academic research at NewSUBARU
9	HiSOR	Hirofumi Namatame	Current Status of Hiroshima Synchrotron Radiation Center, Hiroshima University (HiSOR)
10	SAGA Light Source	Yoshiki Seno	Activities as the local government facility

## Poster Program

Poster No.	Name	Poster title
1	Makoto Watanabe	Early SR Research in Japan using 1.3 GeV ES
2	Kazutoshi Takahashi	Status of Saga University Beamline
3	Osamu Yushiro	ScandiNova pulsed klystron modulator for accelerator facilities around the world
4	Hiroshi Daimon	Atom-Holography Microscope Realized by New Display Analyzer CoDELMA
5	Tappei Nishihara	Development of Measurement of Techniques at the Hard X-ray Photoelectron Spectroscopy in BL46XU at SPring-8
6	Yasutaka Sawata	Angle-resolved photoemission study on LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> in the CE-type antiferromagnetic state
7	Syouyou Yoshida	Protocol to steer phase-retrieval calculation in X-ray diffraction imaging
8	Wolfgang Voegeli	Multi-beam X-ray optical system using a $\sigma$ -polarization diffraction geometry for high-speed X-ray tomography
9	Wataru Yashiro	Synchrotron X-ray Tomography with Sub-Millisecond Temporal Resolution
10	Takeshi Hara	Advancements in valence electron density analysis by high-precision X-ray diffraction for molecular crystals
11	Chihaya Koyama	Orbital State Observation of Nd <sub>2</sub> Fe <sub>14</sub> B using CDFS Method
12	Shunsuke Kitou	Observation of the real-space valence electron density distribution in strongly correlated electron systems