

**The 8th Workshop on Beamline Upgrades
for the Specified Synchrotron Radiation Facilities**

Day 1 – March 24 (Tue)



SpRUC
SPECIFIC SYNCHROTRON RADIATION
FACILITIES USERS COMMUNITY

13:00–13:15	Session I: Opening	
13:00–13:05	Opening Remarks	Akihiko Fujiwara (Chair, SpRUC)
13:05–13:10	Welcome Address	Atsushi Nakagawa (President, JASRI)
13:10–13:15	Congratulatory Address	Daisuke Baba (Director, Research Environment Division, MEXT)
13:15–14:55	Session II: Current Status and Future Prospects of the SPring-8-II Project	
13:15–13:35	Progress of the SPring-8-II Upgrade and BL Renewal Project	Makina Yabashi (RIKEN)
13:35–13:45	Discussion / Q and A	
13:45–16:10	Session III: Measurement Platforms and First Experiments at SPring-8-II	
13:45–14:25	Session III-1: Imaging	
13:45–14:00	High speed imaging of industrial metal processing phenomena by high-energy X-rays	Satoru Egawa (The University of Tokyo)
14:00–14:15	Imaging Electrode Structural Dynamics for High Reliability Battery Design	Mitsuhiro Takeno (Panasonic Energy Co., Ltd.)
14:15–14:25	Discussion / Q and A	
14:25–15:45	Session III-2: High-Pressure Measurements and PDF Studies	
14:25–14:40	TBA	Hiroki Yamada (JASRI)
14:40–14:55	1 原子マイクロ波加熱現象のPDFによる観測 (English title to be updated)	Fuminao Kishimoto (The University of Tokyo)
14:55–15:10	The Present and Future of Large-Volume High-Pressure Press Experiments with High-Flux X-rays	Yuji Higo (JASRI)
15:10–15:25	In situ high-pressure pair distribution function measurement of liquid and glass by using high-energy pink beam	Yoshio Kono (Kwansei Gakuin University)
15:25–15:35	Discussion / Q and A	
15:35–15:45	Break	
15:45–16:20	Session III-3: Advanced Research Applications	
15:45–16:00	100keVピンクビームを用いた疲労・損傷の可視化 (English title to be updated)	Yujiro Hayashi (RIKEN)
16:00–16:15	Scientific frontiers opened up by the brightest undulator	Kenji Tamasaku (RIKEN)
16:15–16:20	Discussion / Q and A	
16:20–17:00	Session III-4: Soft X-ray Beamline Reorganization	
16:20–16:35	Overview of the upgrade plan for SX-BL experimental stations	Naomi Kawamura (JASRI)
16:35–16:50	TBA	Akira Sekiyama (The University of Osaka)
16:50–17:00	Discussion / Q and A	

9:00–9:40	Session III-5: Microspectroscopy	
9:00–9:15	Current status and future prospects of BL37XU: Hard X-ray spatio-temporal resolution spectroscopy	Oki Sekizawa (JASRI)
9:15–9:30	Three-Dimensional Visualization of Electrochemical Reactions in Battery Electrodes Using Hard X-ray Spatiotemporally Resolved Spectroscopy	Yuta Kimura (Tohoku University)
9:30–9:40	Discussion / Q and A	
9:40–10:20	Session III-6: Protein crystallography (PX) Research	
9:40–9:55	Upgrade of BL41XU towards Serial Synchrotron Crystallography	Kazuya Hasegawa (JASRI)
9:55–10:10	Elucidation of Molecular Mechanisms of Proteins through Dynamic Structural Analysis	Takehiko Tosha (University of Hyogo)
10:10–10:20	Discussion / Q and A	
10:20–10:30	Break	
10:30–11:55	Session IV: From Dark Time and Commissioning toward First Experiments	
11:55–12:00	Closing Session	
11:55–12:00	Summary and Closing Remarks	Tetsuya Ishikawa (Director, RIKEN SPring-8 Center) <i>(invitation in progress)</i>
~ After the Workshop~		
12:00–13:00	Special General Assembly of SpRUC	

Language:
All presentations will be given in Japanese.