

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

Day 1 – March 24 (Tue)

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	I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	

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

Day 2 – March 25 (Wed)

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) (invitation in progress)
~ After the Workshop ~		
12:00-13:00	Special General Assembly of SpRUC	

Language:  
All presentations will be given in Japanese.