SpectroNanoscopy Workshop 2018

December 5 (Wed.) Afternoon Language: English			
12:00 ~ 13:00	Registration		
13:00 ~ 13:10	Welcoming remark		
13:10 ~ 13:20	Opening remark		
Battery Analysis us	ing SR Chair: Dr. Jouhahn Lee		
13:20 ~ 14:00	Atomistic understanding of the new electrode reactions for rechargeable batteries (Kisuk Kang, SNU, Rep. of Korea)		
14:00 ~ 14:30	Synchrotron-Based Analytical Techniques for the Understanding of Battery Operation (Chunjoong Kim, CNU, Rep. of Korea)		
14:30 ~ 15:00	In-situ Scanning Transmission X-ray Microscopy for lithium ion batteries and beyond (Jongwoo Lim, SNU, Rep. of Korea)		
15:00 ~ 15:15	Coffee Break		
Advanced Raman Microscopy Chair: Dr. Cheolho			
15:15 ~ 15:45	Coherent Nuclear Wave Packets Toward Polaronic State in Methylammonium Lead Iodide Perovskite (Myeongkee Park, Dong-A Univ., Rep. of Korea)		
15:45 ~ 16:15	In-situ and Operando Raman Microsocpy Analysis of Phase Transformation (Joonhee Moon, KBSI, Rep. of Korea)		
16:15 ~ 16:45	Nanogap-Enhanced Raman Scattering (NERS) (Yung Doug Suh, KRICT, Rep. of Korea)		
16:45 ~ 17:00	Coffee Break		
SPEM	Chair: Dr. Jaeyoon Baik		
17:00 ~ 17:30	Chemical Modification and Structural Engineering of Graphene for Modulating its Electronic Structure (Hyunseob Lim, JNU, Rep. of Korea)		
17:30 ~ 18:00	Electronic Structure of Buried Interface of TiO2/CH3NH3PbI3 (Yeonjin Yi, Yonsei Univ., Rep. of Korea)		
18:00 ~ 19:30	Poster session + reception		
19:30 ~ 20:30	Panel discussion		

]	December 6 (Thur.) Morning	Language: English		
Advanced Photon Science Chair: Dr. Ki-jeong				
08:00 ~ 09:00	Panel discussion			
09:00 ~ 09:30	Resonant x-ray scattering: Scattering meets spectroscopy			
	(Hoyoung Jang, PAL, Rep. of Korea) Bulk-sensitive Elastic and Inelastic X-ray Fluorescence			
09:30 ~ 10:10	Spectroscopy and its applications (Gapsoo Chang, Univ. of Saskatuwan, Canada)			
10:10 ~ 10:30	Coff	ee Break		
Advanced Pl	hoton Science	Chair: Dr. Kyuwook Ihm		
10:30 ~ 11:00		scopy of graphene SKKU, Rep. of Korea)		
11:00 ~ 11:30	'Blackswan' Metal (Jeehoon Kim, POSTECH, Rep. of Korea)			
	Development of Soft X-ray	absorption spectroscopy at the		
11:30 ~ 12:10	Photon Factory for the operando observation of surface and interface (Kenta Amemiya, KEK, Japan)			
12:10 ~ 13:30	I	Lunch		
December 6 (Thur.) Afternoon Language: English				
Hard X-ray	Nano-imaging	Chair: Dr. Jun Ihm		
13:30 ~ 14:10		l and visualize colloids ity of Hong Kong, Hong Kong)		
14:10 ~ 14:40	Nano-scale materials research via spectroscopic X-ray imaging and scientific interior data mining (Sangsul Lee, PAL, Rep. of Korea)			
14:40 ~ 15:00	Coffee Break			
Coherent X	Z-ray imaging	Chair: Dr. Hyun-Joon Shin		
15:00 ~ 15:30	Exploring the irreversible phase changes with real images from XFEL single-pulse imaging (Changyong Song, POSTECH, Rep. of Korea)			
15:30 ~ 16:00		n a single speckle snapshot (AIST, Rep. of Korea)		
16:00 ~ 16:20	I	Break		
STXM	Chair: Dr. Namdong Kim			
16:20 ~ 17:00	Applications and Development of Soft X-ray Spectromicroscopy at Shanghai Synchrotron Radiation Facility (Lijuan Zhang, SSRF, China)			
17:00 ~ 17:30	Applications of Synchrotron Soft X-ray Spectro-Nanoscopies in Energy Related Materials (Jian Wang, CLS, Canada)			
17:30 ~ 18:00	Panel	discussion		
18:00 ~ 21:00	Ba	anquet		

December 7 (Fri.) Language: English				
Advanced Imaging techniques Chair: Dr. Jeong Won Ki				
09:20 ~ 10:00	Forc	Spectroscopy via Photo-induced e Microscopy olecular Vista Inc., USA)		
10:00 ~ 10:30	Origins of The Photo-inc	Studies of Two Different Physical duced Force: Dipole and Thermal g, KRISS, Rep. of Korea)		
10:30 ~ 10:50	Co	offee Break		
10:50 ~ 11:20	Emissions of	ectroscopy for Imaging Exciton f 2D Semiconductors n, SKKU, Rep. of Korea)		
11:20 ~ 11:50		orption Spectroscopy using PTIR Womans Univ., Rep. of Korea)		
11:50 ~ 12:20	Atomic Force Microscopy	ning Tunneling Microscopy and Studies on Catalytic and Energy Materials Irk, KAIST, Rep. of Korea)		
12:20 ~ 12:30	Clo	sing remark		
12:30 ~ 13:30		Lunch		
13:30 ~ 15:00	Pan	el discussion		