

SpectroNanoscopy 2017 Workshop

September 4 (Mon.) Afternoon	
12:00 ~ 13:30	Registration
13:30 ~ 13:35	Welcoming remark
13:35 ~ 13:40	Opening remark
Chair: Dr. Jouhahn Lee	
13:40 ~ 14:20	Ultrathin Silica Films studied by LEEM and XPEEM (Thomas Schmidt, MPI, Germany)
14:20 ~ 15:00	High resolution chemical and magnetic imaging by laser-excited photoemission electron microscopy (Taniuchi Toshiyuki, Tokyo Univ., Japan)
15:00 ~ 15:20	Coffee Break
Chair: Dr. Namdong Kim and Dr. Cheolho Jeon	
15:20 ~ 16:00	Magnetic Skyrmion Dynamics revealed by Transmission X-ray Microscopy (Junwoo Choi, KIST, Korea)
16:00 ~ 16:40	Lithium compositional spatiodynamics within battery primary particles revealed via operando scanning transmission X-ray microscopy (Jongwoo Lim, SNU, Korea)
16:40 ~ 16:50	Coffee Break
16:50 ~ 17:30	Characterising Nanostructures at the Swiss Light Source (Benjamin Watts, PSI, Switzerland)
17:30 ~ 17:50	Latest in X-ray direct detection, Imaging and spectroscopy technologies from Princeton Instruments (Manjul Shah, KOS(Princeton Instruments),USA)
17:50 ~ 18:10	The most advanced Raman imaging world opened up by Nanophoton (Yun-Cheol Park, Nanophoton Korea)
18:10 ~ 19:30	Poster session + reception

September 5 (Tue.) Morning	
Chair: Dr. Jaeyoon Baik	
09:30 ~ 10:00	Spectroscopy and coherent imaging study for femto-second dynamics using soft X-ray free electron laser (SoonNam Kwon, PAL, Korea)
10:00 ~ 10:40	XFEL dynamic imaging with nanoscale resolution (Changyong Song, POSTECH, Korea)
10:40 ~ 11:00	Coffee Break
11:00 ~ 11:30	Direct observation of charge separation in van der Waals materials (Chia-Hao Chen, NSRRC, Taiwan)
11:30 ~ 11:50	Characterization of the vertical and lateral transition metal dichalcogenide heterojunctions (Lo Yueh Chang, NSRRC, Taiwan)
12:20 ~ 13:40	Lunch
September 5 (Tue.) Afternoon	
Chair: Dr. Jeong Won Kim	
13:40 ~ 14:20	Structural and electronic-state phase transition in layered materials (Heejun Yang, SKKU, Korea)
14:20 ~ 15:00	Pin-point electronic state analysis of various FETs and green nano-materials using 3D-nano-ESCA (Masaharu Oshima, Tokyo Univ. Japan)
15:00 ~ 15:20	Coffee Break
15:20 ~ 16:00	Multi function and cutting edge x-ray microscopy at PLS II (Jun Lim, PAL, Korea)
16:00 ~ 17:00	Real-space investigation of intermolecular energy transfer with single-molecule emission/adsorption spectroscopy (Yousoo Kim, RIKEN, Japan)
17:00 ~ 17:20	Coffee Break
18:00 ~	Banquet

September 6 (Wed.) [Subject: Application (materials)]	
Chair: Dr. Kyuwook Ihm	
09:30 ~ 10:10	Tip enhanced nano Raman scattering imaging of defects in 2D-materials (Munseok Jeong, SKKU, Korea)
10:10 ~ 10:50	Resonance Raman Spectroscopy for 2-dimensional layered materials (Hyeonsik Cheong, Sogang Univ., Korea)
10:50 ~ 11:10	Coffee Break
11:10 ~ 11:50	Nano-plasmonics for infrared nanoscopy and single-molecule spectroscopy (Zeehwan Kim, SNU, Korea)
11:50 ~ 12:30	Towards clinical cancer imaging using terahertz spectroscopy (Joohiuk Son, UOS, Korea)
12:10 ~ 12:20	Closing remark
12:20 ~ 14:00	Lunch
Chair: Dr. Jouhahn Lee and Dr. Hyun-Joon Shin	
14:00 ~ 16:00	Panel discussion