

## Advanced X-ray Science Using Synchrotrons and X-ray Free Electron Lasers

Date : December 12 (Thu.), 2019

Organized by : SRC-Center for Advanced X-ray Science

Time	Presenter	Title
<b>Session 1</b>	<b>&lt;Ultra small and ultrafast imaging&gt;</b>	Chair: Bongjin Simon Mun (GIST)
08:45 ~ 08:50	D. Y. Noh (IBS)	Introduction to the Center for Advance X-ray Science
08:50 ~ 09:20	Osami Sakata (NIMS)	Mapping of local orientation of lattice planes of a GaN wafer
09:20 ~ 09:50	Changyong Song (POSTECH)	Ultrafast nonequilibrium phase transitions, unexpected kinetics, direction observation and XFELs
09:50 ~ 10:15	Hyunjung Kim (Sogang Univ.)	In situ and operando coherent x-ray diffraction imaging to observe atomic scale distortion and defect dynamics
<b>10:15 ~ 10:30</b>	<b>Coffee Break</b>	
<b>Session 2</b>	<b>&lt;Advanced soft x-ray science&gt;</b>	Chair: Hyon Chol Kang (Chosun Univ.)
10:30 ~ 11:00	Chanyong Hwang (KRISS)	Imaging and dynamics probes of spin structure based on synchrotron
11:00 ~ 11:30	H. J. Shin (Pohang Accelerator Laboratory)	Soft x-ray spectro-microscopes (SPEM and STXM) for micro-analysis
11:30 ~ 12:00	Bongjin Simon Mun (GIST)	CO oxidation of Pt <sub>3</sub> Ni(111) surface with ambient pressure x-ray photoemission spectroscopy
<b>12:00 ~ 14:30</b>	<b>Lunch</b>	
<b>Session 3</b>	<b>&lt;Synchrotron applications for nanoscale investigations&gt;</b>	Chair: Changyong Song (POSTECH)
14:30 ~ 15:00	Hyon Chol Kang (Chosun Univ.)	Synchrotron X-ray induced dewetting process of metal thin films
15:00 ~ 15:30	Hyun Hwi Lee (Pohang Accelerator Laboratory)	Si Nano-wall Formation by maskless wet-etching using a femtosecond laser irradiation
15:30 ~ 16:00	Su Yong Lee (Pohang Accelerator Laboratory)	Imaging and diffraction techniques at coherent x-ray scattering beamline in PLS-II