

24th Korea-Nordic LINC Workshop

(2nd Korea-Sweden Advanced X-ray Science Symposium)

"Pushing the boundaries of X-ray Imaging with coherence"

September 28 to 30, 2025, MAX IV Laboratory, Sweden



September 28 (Sunday) : Workshop (Day 1)

18:30 - 20:30

Welcome Reception & Dinner

September 29 (Monday) : Workshop (Day 2)

9:00 - 9:10

Welcome to MAX IV

9:10 - 10:45

Tour of MAX IV

10:45 - 11:15

Fika

Session 1 : Welcome and Introductions (Chair: Olof Karis)

11:15 - 11:25

Workshop Introduction

Hyunjung Kim
Sogang Univ.

11:25 - 11:30

Welcome from KNTec

Heewoong Park
KNTec

11:30 - 12:20

MAX 4U - Our vision for MAX IV

Aymeric Robert
MAX IV

12:20 - 13:40

Group Photo & Lunch

Session 2: Coherent Imaging I (Chair: Aymeric Robert)

13:40 - 14:10

Coherent X-ray Diffraction Imaging: A Pathway for Sustainable Energy and Environment Research

Hyunjung Kim
Sogang Univ.

14:10 - 14:40

Imaging of smallest signals - hard x-ray dichroic ptychography at the iron K edge

Maik Kahnt
MAX IV

14:40 - 15:00

Designing Next-Generation Coherent Scattering Beamlines at Korea-4GSR

Sungsoo Ha
KBSI

15:00 - 15:30

Pushing time-resolved 3D X-ray imaging at high-brilliant sources

Pablo Villanueva Perez
Lund Univ.

15:30 - 16:10

Fika

Session 3: Full field & dark field Imaging (Chair: Megan Landberg)

16:10 - 16:40

Tomography at DanMAX

Innokenty Kantor
MAX IV

16:40 - 17:10

Improving the coherence of X-ray sources

Seong Hee Park
Korea University

17:10 - 17:40

Ultrafast Time-resolved X-ray Microscopy at NCI End-station of PAL-XFEL

Sangsoo Kim

		Pohang accelerator laboratory
18:30 – 20:30	Dinner	
September 30 (Tuesday) : Workshop (Day 3)		
Session 4: Advanced Spectroscopy (Chair: Joachim Schnadt)		
8:30 - 9:00	Tracking Phase and Spin-State Evolution in Electrocatalysts via Operando X-ray Spectroscopy	Heejong Shin Sogang University
9:00 - 9:30	Korea-4GSR as a Platform for Advanced In-situ and Operando X-ray Spectroscopy	Ki-jeong Kim Pohang accelerator laboratory
9:30 - 10:00	The status of APXPS instrumentation at 4th generation synchrotrons	Robert Temperton MAX IV Laboratory
10:00 - 10:30	Origin of topotactic phase transition of LaCoO3 thin films with in situ XRD and ambient pressure hard X-ray photoelectron spectroscopy	Bongjin Simon Mun GIST
10:30 - 11:00	Fika	
Session 5: Multimodal & Novel Microscopy (Chair: Simon Mun)		
11:00 - 11:30	Multimodal and in situ Imaging at the Nano-Diffraction Endstation of NanoMAX	Sebastian Kalbfleisch MAX IV Laboratory
11:30 - 12:00	SAXS imaging: present and future	Kim Nygård MAX IV Laboratory
12:00 - 12:30	SoftiMAX- STXM	Karina Thånell MAX IV Laboratory
12:30 - 13:00	Design progress and key science of Nanoprobe beamline at Korea-4GSR	Jaeyong Shin Pohang accelerator laboratory
13:00 - 14:00	Lunch	
Session 6: Coherent Imaging II (Chair: Hyunjung Kim)		
14:00 - 14:30	Imaging ferroic domain dynamics with nanoscale X-ray diffraction	Jesper Wallentin Lund Univ.
14:30 - 15:00	Increasing flexibility of strain imaging via Bragg Coherent Diffraction Imaging	Megan Landberg MAX IV Laboratory
15:00 - 15:30	Enhancing resolution with the extended image restoration method: strain field energy and correlation length analysis in Bragg Coherent X-ray diffraction imaging	Kyuseok Yoon Sogang University
15:30 - 16:00	Bragg Ptychography: next frontiers of crystal microscopy at 4th generation X-ray sources	Gerardina Carbone MAX IV Laboratory
16:00 - 16:30	Discussion & Adjourn	