Ministry of Science and ICT

27th LINC Workshop

Leaders Workshop for Research and Innovation Collaboration

3rd Korea/Sweden Advanced X-ray Symposium

Science at the diffraction limit: Opportunities for Sweden/Korea Collaborations

Date June 3-5, 2026

Venue MAX IV Laboratory, Sweden

KNTEC

SOGANG UNIVERSITY

MAX IV

27th Korea-Nordic LINC Workshop

3rd Korea/Sweden Advanced X-ray Science Symposium
Science at the diffraction limit:
Opportunities for Sweden/Korea Collaborations

June 3 to 5, 2026
MAX IV Laboratory, Sweden

June 3 (Wed)	
18:00-20:00	**Reception dinner (Belle Epoque)**

June 4 (Thu)	
Session 1: Welcome and Introductions (Session Chair: Hyunjung Kim)	
09:30-09:35	**Start of the Meeting**
09:35-09:45	**Joachim Schnadt, MAX IV Laboratory** Introduction- MAX IV
09:45-09:55	**Hyunjung Kim, Sogang University** Introduction- Korea
09:55-10:00	**Heewoong Park, KNTEC/NRF** Introduction- KNTEC
10:00-10:30	**Group Photo & Coffee Break**
10:30-11:15	**Aymeric Robert, MAX IV Laboratory** MAX IV and MAX 4U
11:15-12:00	**Kyung Tae Ko, KBSI** 4GSR Presentation
12:00-13:15	**Lunch**
Session 2: Environmental and Health Sciences (Session Chair: Kajsa Sigfridsson Clauss)	
13:15-13:45	**Kajsa Sigfridsson Clauss, MAX IV Laboratory** Environmental and Earth Sciences with MAX 4U and Balder
13:45-14:15	**Mira Viljanen, MAX IV Laboratory** Multiscale & -modal characterisation of renewable materials
14:15-14:45	**Calle Pregerc, MAX IV Laboratory** In-flight characterization of aerosols using an aerodynamic lens system
14:45-15:15	**Karina Thånell, MAX IV Laboratory** Environmental Science at SoftiMAX
15:15-15:45	**Coffee Break**

Session 3: Energy Materials (Session Chair: Robert Temperton)	
15:45-16:15	**Robert Temperton, MAX IV Laboratory** MAX 4U, Energy Materials and photoemission at a 4th generation synchrotron
16:15-16:45	**Hyunjung Kim, Sogang University** Unveiling Ultrafast Phase-Transition Dynamics in Perovskite Oxides through Time-resolved Bragg Coherent X-ray Diffraction Imaging
16:45-17:15	**Bongjin Simon Mun, GIST** Probing buried interface of heterostructure of transition metal oxides using tender X-ray spectroscopies
17:15-17:45	**Kyuseok Yun, Sogang University** Hidden interfaces direct ferroelastic variant selection in BiVO4 nanoparticles
18:30-20:30	**Dinner (Restaurant Stäket)**
June 5 (Fri)	
08:45-09:15	**Heejong Shin, Sogang University** Mechanistic Understanding of Electrocatalyst Degradation via In Situ/Operando Analysis
09:15-09:35	**Thorbjørn Erik Køppen Christensen, MAX IV Laboratory** Batteries at DanMAX
09:35-09:55	**Justus Just, MAX IV Laboratory** Accelerating Insights into Complex Material Formation Processes: Multimodal High-Throughput Schemes for Semiconductor Synthesis for Photovoltaicsd
09:55-10:15	**Surajit Ghosh, MAX IV Laboratory** RIXS for Battery Materials at MAX IV
10:15-10:45	**Coffee Break**
Session 4: Advanced Materials (Session Chair: Kim Nygård)	
10:45-11:15	**Kim Nygård, MAX IV Laboratory** Advanced materials @ MAX 4U
11:15-11:45	**Do-Young Noh, GIST** Behavior of the monoclinic order in VO2 thin films near the metal-insulator transition
11:45-12:15	**Mads Jørgensen, MAX IV Laboratory** Autonomous nanoparticle synthesis at DanMAX
12:15-12:45	**Sukjune Choi, KBSI** Building and Proving AI-Ready DAQ Infrastructure for Korea-4GSR
12:45-13:30	**Lunch**
Session 5: Health and Life Science (Session Chair: Dean Lang)	
13:30-14:00	**Dean Lang, MAX IV Laboratory** Health and Life Sciences at MAX IV

14:00-14:30	**Suk-Youl Park, Pohang Accelerator Laboratory** Accelerating Drug Development: Current Status and Advancement Plans for PAL MX Beamline
14:30-15:00	**Jie Nan / Tobias Krojer, MAX IV Laboratory** Macromolecular crystallography at MAX IV: from drug discovery to time-resolved studies
15:00-15:30	**Valeriia Skoryk, MAX IV Laboratory** Multimodal Synchrotron Imaging at MAX IV: New Perspectives for Cell and Tissue Research
15:30-16:00	**Coffee Break**
Session 6: Quantum (Session Chair: Balasubramanian Thiagarajan)	
16:00-16:30	**Leonardo Oliveira, MAX IV Laboratory** Quantum Materials and Technology with MAX 4U
16:30-17:00	**Evangelos Golias, MAX IV Laboratory** Altermagnetic research at MAXIV
17:00-17:30	**Sae Hee Ryu, KBSI** Toward In-Operando nanoARPES: Active Control of Electronic Structures in Quantum Materials Devices
17:30-18:00	**Balasubramanian Thiagarajan, MAX IV Laboratory** Quantum Materials research at the Bloch beamline
18:00-18:30	**Conclusion**