

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 BiVO ₄ 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 Photovoltaics
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 VO ₂ 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
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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