

# MAX IV Day of Science



**Thursday, August 28, 2025 - Thursday, August 28, 2025**

**LINXS**

## Scientific Program

Talk Schedule for the MAX IV Day of Science

## **Session 1 - Welcome to MAX IV**

### **09:55 Welcome**

Welcome to the MAX IV Day of Science  
A message from the Senior Management Team

### **10:00 Beamline Optics**

**Louisa Pickworth**  
Beamlines: What they are and how they work

### **10:15 Accelerator Division**

**Murilo Barbosa Alves**  
Collective effects in electron storage rings

### **10:30 Accelerator Division**

**TBC**  
TBC

## **COFFEE 10:45-11:00**

## **Session 2 - Scattering**

### **11:00 ForMAX**

**Santiago Pablo Fernandez Bordín**  
Small angle X-ray scattering: Exploring Nano-structural Behaviours of Proton Exchange Membranes

### **11:15 FemtoMAX**

**Carl Ekström**  
Ultrafast science at the FemtoMAX beamline

### **11:30 BioMAX**

**Gabriela Schröder**  
From Beam to Spot: How BioMAX Reveals Protein Secrets

### **11:45 CoSAXS**

**Simona Bianco**  
Using in situ SAXS/WAXS to drive design of nanomaterials for stimuli-responsive soft actuators

## **12:00 CoSAXS PART 2**

**Firoz Malayil Kalathil**

Time resolved SAXS applied to soft matter systems

## **LUNCH 12:15- 13:00**

## **Session 3 - Diffraction and Imaging**

### **13:00 DanMAX**

**Fredrik Gjørup**

Micro-diffraction mapping of a very aggressive shrimp

### **13:15 MAXPEEM**

**Weihua Lin**

Excited state structure of 2D perovskite

### **13:30 NanoMAX**

**Leonardo Oliveira**

Addressing NanoLED Emission Losses via Strain and XEOL Mapping at NanoMAX

## **COFFEE 13:45-14:00**

## **Session 4 - Spectroscopy**

### **14:00 FinEst**

**Archit Dhingra**

X-ray photoelectron spectroscopy: Sweden's national pride applied to real-world problems

### **14:15 FlexPES**

**Eleanor Frampton**

Flexible Photoemission by an Inflexible Acrobat

### **14:30 Bloch**

**Sungsoo Hahn**

Spectroscopic studies on correlation between electronic structure and ferromagnetism

### **14:45 Veritas**

**Surajit Ghosh**

Griffith's Phase, Ferrimagnetic Ordering and re-entrant Spin Glass state of  $\text{CuMn}_{1.8}\text{Fe}_{0.2}\text{O}_4$ : Insights from Synchrotron Spectroscopy

**15:00 Species**

**Silvia Mauri**

Ambient pressure X-Ray spectroscopies at SPECIES beamline for catalysis applications

**FIKA 15:15-15:45**

**MAX IV - Cross-facility collaboration - MAX 4U and MATRIX**

Opportunities to collaborate and get involved at MAX IV!

Aymeric Robert is here to tell us how to get involved in the much anticipated MAX IV upgrade MAX 4U!

Following Aymeric, three out of our four MATRIX areas are here to tell us what they do and how to get involved!

**15:45 MAX 4U**

**16:00 Battery Science**

**16:15 Time Resolved Life Science**

**16:30 Life Science**

**16:45 Poster Session!!**