

# MAX IV Day of Science



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

**LINXS**

## Scientific Programme

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 Accelerator Division

**Jonas Björklund Svensson**  
Experimental Generation of PWFA-suitable Bunch Current Profiles by Arc-like Bunch Compressors

### 10:15 Accelerator Division 2

TBC

### 10:30 Beamline Optics

TBC

## Session 2 - Scattering

### 10:45 ForMAX

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

### 11:00 FemtoMAX

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

### 11:15 CoSAXS

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

## Session 3 - Diffraction and Imaging

### 12:30 BioMAX

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

### 12:45 DanMAX

**Fredrik Gjørup**

Micro-diffraction mapping of a very aggressive shrimp

### **13:00 MAXPEEM**

**Weihua Lin**

Excited state structure of 2D perovskite

### **13:15 SoftiMAX**

TBC

### **13:30 NanoMAX**

TBC

### **13:45 MicroMAX**

TBC

## **Session 4 - Spectroscopy**

### **14:30 FinEst**

**Archit Dhingra**

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

### **14:45 FlexPES**

**Eleanor Frampton**

Flexible Photoemission by an Inflexible Acrobat

### **15:00 Bloch**

TBC

### **15:15 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

### **15:30 Species**

**Silvia Mauri**

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

### **15:45 Hippie**

TBC

### **16:00 Balder**

TBC

