

MAX IV Postdoc Day of Science 2026



Thursday 10 September 2026 - Thursday 10 September 2026

LINXS

Scientific Programme

9:00 - 9:15 Welcome and Information

Session 1 - Talks

9:15 - 9:30 Accelerator development

Jonas Björklund Svensson

Unique non-linear bunch compression and stabilization in the MAX IV linear accelerator

9:30 - 9:45 MicroMAX

Monika Bjelčić

Implementation and development of SSX and TR-SSX at MicroMAX

9:45 - 10:00 CoSAXS

Simona Bianco

Bridging structures and mechanics: in situ rheo-SAXS of hierarchical materials at CoSAXS

10:00 - 10:15 FinEstBeAMS

Archit Dhingra

Charging of non-metallic films during XPS measurements: the untold story

10:15 - 10:45 Coffee and mingle

Session 2 - Talks

10:45 - 11:00 BioMAX

Gabriela Schröder

Protein characterization at the BioMAX beamline

11:00 - 11:15 MicroMAX

Jack Stubbs

Developing mixing methods for time-resolved serial crystallography

11:15 - 11:30 Veritas

Surajit Ghosh

Probing Low-Energy Excitations in the Skyrmion-Hosting Chiral Magnet $\text{Co}_{1-x}\text{Zn}_x\text{Mn}$ with RIXS

11:30- 11:45 HIPPIE

Zephyr Rosenblod

The ALD of HfO₂ Using Ozone as a Co-Reactant

11:45 - 12:45 Lunch

12:45 - 13:15 TomoWISE

Zdenek Matej

Update on TomoWISE

Session 3 - Talks

13:15 - 13:30 Bloch

Sungsoo Hahn

Electronic band structure engineering for emergent quantum phenomena: ARPES perspective

13:30 - 13:45 Balder

Myron Huzan

Unravelling Electronic Structure through X-ray Spectroscopies

13:45 - 14:00 MicroMAX

Larissa Lopes Cavalcante

Laser and spectroscopy at MicroMAX

14:00 - 14:15 HIPPIE

Vikram Mehar

HIPPIE: Catching Chemistry in the Act!

14:15 - 15:00 Fika and Coffee

Session 4 - Talks

15:00 - 15:15 MAXPEEM

Subrata Paul

Magnetic domain imaging using magnetostriction: An electron microscopic approach

15:15 - 15:30 Accelerator Division

Gustavo Perez Segurana

MAX4U ring upgrade

15:30 - 15:45 ForMAX

Anuj Prajapati

Multimodal characterisation at the ForMAX beamline

15:45 - 16:00 MicroMAX

Joshua Smith

Data processing at MicroMAX

16:00 - 16:15 Closing remarks

Joachim Schnadt - Science Director

16.15 Poster session!