

Session Program

28 September 2026 to 2 October 2026



School of XFEL, Synchrotron and Neutron Radiation Users - SFEL2026

FEL

Congress Centre ACADEMIA

Stará Lesná 176 059 52 Stará Lesná Slovakia GPS Location: 49°09'06.8"N, 20°17'12.4"E

Tuesday 29 September

09:00

FEL: Session - 3

Session | **Location:** CC Academia, Lecture Hall | **Convener:** Karel Saks

09:00–09:45

Recent Scientific Highlights from European XFEL

Speaker

Serguei Molodtsov

09:45–10:30

The HED-HiBEF instrument at the European XFEL - scientific capabilities and instrumentation

Speaker

Ulf Zastra

10:30

11:00

FEL: Session - 4

Session | **Location:** CC Academia, Lecture Hall | **Convener:** Libor Juha

11:00–11:30

XFELs for investigation of field-driven dynamics in solids

Speaker

Adrian Cavalieri

11:30–12:00

Femto-to-attosecond time-resolved atomic and molecular quantum dynamics using fluctuating FEL pulses

Speaker

Thomas Pfeifer

12:00–12:30

Three movies in a flash: electron, spin, and atom dynamics at soft x-ray XFELs

Speaker

Kai Rossnagel

12:30

14:00

FEL: Session - 5

Session | **Location:** CC Academia, Lecture Hall | **Convener:** Ulf Zastra

14:00–14:30

Inertial fusion research at X-ray free electron lasers

Speaker

Dominik Kraus

14:30–15:00

Ultrafast structural transformations of Fe: time-resolved studies from synchrotron to FEL

Speaker

Ryszard Sobierajski

15:00–15:30

Sample Delivery Challenges at X-ray Free-Electron Lasers

Speaker

Joachim Schulz

16:00

15:30–16:00

Twisted Light Control of the Ferroelectric GeTe**Speaker**

Juraj Krempaský

16:30

FEL: Session - 6**Session** | **Location:** CC Academia, Lecture Hall | **Convener:** Serguei Molodtsov

16:30–17:00

Radiation Resistance of Materials for Future Inertial Fusion Reactors: Laboratory and Computer Simulations**Speaker**

Vojtěch Vozda

17:00–17:30

Effective Representation of Objects for Tomoscopic Experiments - Preparation for Hemodynamic Imaging**Speaker**

Jozef Uličný

17:30–18:00

CotY protein structure and its use for the development of novel nano-biomaterials**Speaker**

Imrich Barak

18:00–18:30

Ion emission from plasmas produced by short-wavelength laser radiation: a brief overview**Speaker**

Libor Juha

18:30–19:00

Science without Borders? - Research Infrastructures and the role of scientists in a changing world by Nicole Elleuche, European XFEL Managing and Administrative Director**Speaker**

Nicole Elleuche

19:00