

Session Program

2-6 Nov 2026

**27th Symposium on Photonics and Optics
(SPO 2026)**

3rd USyNC Workshop

Online (Zoom)

Wednesday 4 November

09:10

3rd USyNC Workshop: Session 1: SOLARIS: Facilities and Beamlines

Session | **Location:** Online (Zoom) | **Convener:** Artem Yakovliev

09:10–09:30

SOLARIS and CERIC-ERIC - research offer and access modes

Speaker

Marcin Sikora

09:30–10:00

The URANOS Beamline: An Advanced Tool for Electronic Band Structure Research

Speaker

Natalia Olszowska

10:00–10:15

MAVKA at SOLARIS: progress of the “Light for Ukraine” beamline towards first light

Speaker

Danylo Babich

10:15–10:30

IR imaging capabilities at the CIRI Beamline in Solaris

Speaker

Tomasz Wróbel

10:40

11:00

3rd USyNC Workshop: Session 2: Synchrotron and XFEL Photon Science

Session | **Location:** Online (Zoom) | **Convener:** Danylo Babich

11:00–11:40

Title to be announced

Speaker

Luc Patthey

11:40–12:10

Spin-orbit excitons and magnetic excitations in iridates across the Mott boundary

Speaker

Eugenio Paris

12:10–12:40

Bringing Light to Chemical Processes at the Balder Beamline, MAX IV

Speaker

Myron Huzan

12:40–12:55

NEPHEWS and beyond: Sustainable user access to external Photon and Neutron Infrastructures

Speaker

Cormac McGuinness

12:55–13:10

High-Resolution Soft X-ray Microscopy at MAX IV: New Capabilities and Opportunities

13:10

14:00

Speaker
Igor Beinik

3rd USyNC Workshop: Session 3: ARPES and Topological Quantum Materials

Session | **Location:** Online (Zoom) | **Convener:** Artem Yakovliev

14:00–14:30 ARPES-Based Search for Topological Quantum Materials

Speaker
Volodymyr Bezguba

14:30–14:45

Exploring ferroelectricity and topology in IV-VI semiconductors: an ARPES perspective

Speaker
Tetiana Zakusylo

14:45–15:00

Synchrotron VUV and structural characterization of zirconia-based nanopowders and ceramics

Speaker
Larysa Khomenkova

15:00

15:00

3rd USyNC Workshop: Session 4: Neutron Methods for Materials Research

Session | **Location:** Online (Zoom) | **Convener:** Danylo Babich

15:00–15:10 ENSA - European Neutron Science Association

Speaker
Astrid Schneidewind

15:10–15:35

Generation and properties of free neutrons

Speaker
Anatoliy Senyshyn

15:35–15:50

Neutron Diffraction

Speaker
Oleksandr Prokhnenko

15:50–16:05

Small-Angle Neutron Scattering: Principles and Applications

Speaker
Oleksandr Tomchuk

16:05–16:20

Neutron Reflectometry: the interfaces study technique overview and use-cases

Speaker
Yehor Kosiachkin

16:20–16:35

Introduction to Neutron Spectroscopy

Speaker
Oleg Petrenko

16:35-16:50

Imaging and tomography using monochromatic beams of thermal neutrons

Speaker

Vasyl Ryukhtin

16:50-17:05

Advancing Fast-Neutron Imaging with Metal-Halide Detectors

Speaker

Anastasiia Sakhatska

17:05-17:20

Neutron source at the MAC NSC “KIPT”

Speaker

Ivan Guk

17:20-17:35

Neutron Source

Speaker

Andrii Zelinsky

17:35-17:50

Concluding remarks — O. Tomchuk

17:50