Session Program

2–6 Nov 2026

27th Symposium on Photonics and Optics (SPO 2026)

Sustainable Materials and Technologies for Optoelectronics and Sensors

Online (Zoom)

Thursday 5 November

13:35

Sustainable Materials and Technologies for Optoelectronics and Sensors: Session 3: Hybrid Perovskites and Photoactive Materials

Session | **Location:** Online (Zoom) | **Convener:** Volodymyr Dzhagan

13:35–14:05

Element Mixing in Aziridinium based Hybrid Perovskites towards Tunable Optoelectronic Properties

Speaker
Dr Illia Guralskyi

14:05–14:20

Cysteine-based Hybrid Perovskite Exhibiting Thermally Tunable Dual-Band Photoluminescence

Speaker
Valerii Sirenko

14:20–14:35

Synthesis and Structural Phase Behaviour of B-Site-Mixed Methylammonium Lead–Tin Bromide Perovskites

Speaker
Dr Hanna Petrosova

14:35–14:50

Effect of a cationic surfactant on the formation and optical properties of perovskite quantum dots

Speaker
Dmytro Haleliuk

14:50–15:05

Structural Diversity and Photocatalytic Properties of Hybrid Ruthenium Coordination Compounds Containing Metal Chloride Anions

Speaker
Olesia Kucheriv

15:05–15:35

Thermal energy upconversion using thermally-activated delayed fluorescence materials

Speaker
Oleg Dimitriev

15:35

15:55

Sustainable Materials and Technologies for Optoelectronics and Sensors: Session 4: Earth-Abundant Semiconductors, Thin Films and Sensors

Session | **Location:** Online (Zoom) | **Convener:** Volodymyr Dzhagan

15:55–16:25

Earth-abundant compound semiconductors for solar energy conversion

Speaker
Galina Gurieva

16:25–16:55
High-Throughput Robot-Assisted Screening of Sustainable Lead-Free Perovskite Materials for Energy Harvesting Applications

Speaker
Oleksandr Stroyuk

16:55–17:10
“Green” Aqueous Synthesis and Understanding the Properties of Cu_2MSnS_4 (M = Zn, Ni, Fe) Nanocrystals

Speaker
Oleksandra Ivakhno-Tsehelnyk

17:10–17:25
Controlling phase composition in VOx thin films using getter technologies

Speaker
Tomash Sabov

17:25–17:55
CMOS field-effect transistor-based optoelectronic sensors and possible applications

Speaker
Dovile Cibiraite-Lukenskiene

18:00

17:55–18:00 **Closing of the workshop**