

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 Gural'skyi

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 VO_x 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

17:55-18:00

Closing of the workshop

18:00