Session Program

Nov 5 – 7, 2025

26TH SYMPOSIUM ON PHOTONICS AND OPTICS SPO 2025

Photonics, Lasers & Sensing

Zoom and Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, Room 261(Laboratory building)
The conference will be performed in HYBRID mode: - On-site at Faculty of Physics of Trars Shevchenko National University of Kyiv - VIa ZOOM platform

Fri, November 7

9:00 AM

Photonics, Lasers & Sessions

Session |
Location: Zoom and Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, Room 261(Laboratory building), The conference will be performed in HYBRID mode: - On-site at Faculty of Physics of Trars Shevchenko National University of Kyiv - VIa ZOOM platform |
Convener: Dr Kateryna Yablochkova

9:00 – 9:15 AM

Performance Evaluation of the 'Cat-Eye' Effect Induced by a Laser System for Locating Optical Systems

Speaker
Prof. Yaroslav Sharlovych

9:15 – 9:30 AM

Portable sensor platform based on plasmon-enhanced fluorescence for explosives detection

Speaker
Dr Andrii Lopatynskyi

9:30 – 9:45 AM

Quantitative Surface Texture Metrology via Single-Image Statistical Analysis of Laser Speckle

Speaker
Artem Sachko

9:45 – 10:00 AM

Energy state of the electronic subsystem of porous carbon material caused by laser irradiation

Speaker
Ivan Budzuliak

10:00 – 10:15 AM

Application of laser Doppler vibrometry for detection of objects buried in the soil

Speaker
Dr Lyudmyla Borkovska

10:15 AM