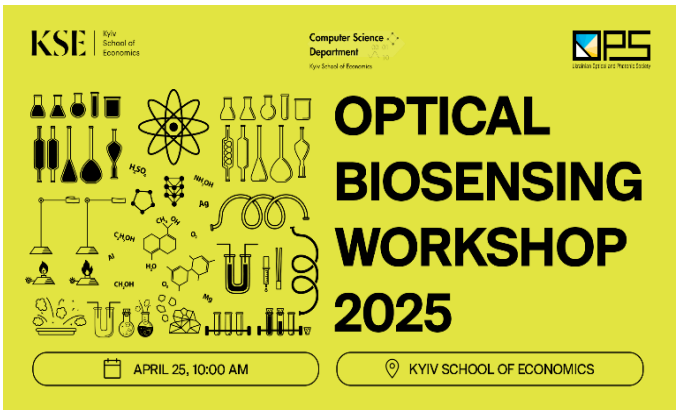
Optical Biosensing Workshop 2025



Date
25 April 2025
Venue
Kyiv School of Economics,
room 2.08.2, 3 Mykoly Shpaka str.
Online: Zoom
Organizers
Kyiv School of Economics,
Ukrainian Optical
and Photonic Society

Program

10:00 10:20	**Opening ceremony**	
10:20 11:10	**Sergei Dzyadevych**, Institute of Molecular Biology and Genetics of NASU	Application of enzymes in biosensorics
11:10 12:00	**Oleh Yermakov**, V. N. Karazin Kharkiv National University	Metasurfaces for sensing and beyond
12:00 12:30	Coffee-break	
12:30 13:00	**Iryna Yaremchuk**, Lviv Polytechnic National University (online)	Resonant nanostructures and their sensing applications
13:00 13:30	**Vladimir Tuz**, V. N. Karazin Kharkiv National University (online)	Implementation of optical sensing systems based on trapped modes
13:30 14:00	**Vladyslav Seminko**, Institute for Scintillation Materials of NASU (online)	Reversible luminescent ROS sensors based on colloidal solutions of cerium oxide nanoparticles
14:00 15:00	Lunch	
15:00 15:30	**Andrii Lopatynskyi**, V. E. Lashkaryov Institute of Semiconductor Physics of NASU	Optical bio- and chemosensors based on plasmonic nanostructures
15:30 17:00	**Pitch-session for young scientists**	
17:00 17:30	Coffee-break	
17:30 18:00	**Closing ceremony**	
18:00 20:00	Scientific discussion	

Pitch-session for young scientists

Speaker	Affiliation	Title
Dmytro Ivanskyi (online)	Yuriy Fedkovych Chernivtsi National University	Development of approaches for polarization-interference diagnostics of anisotropic biological tissues
Oleh Demianyk	V. N. Karazin Kharkiv National University	Enhancement of chiral sensing with meta-gratings
Maksym Soboleskyi	Institute of Molecular Biology and Genetics of NASU	Synthesis of precision gold nanoparticles for optical biosensing systems
Mariia Khutko	V. E. Lashkaryov Institute of Semiconductor Physics of NASU	Polymer-coated metal nanostructures for plasmon-enhanced fluorescence
Petro Demydov	V. E. Lashkaryov Institute of Semiconductor Physics of NASU	SERS and LSPR sensors based on gold nanostructures and molecular-imprinted polymers