

Session Program

5-7 Nov 2025

26TH SYMPOSIUM ON PHOTONICS AND OPTICS SPO 2025

Workshop on Laser processing of materials for advanced optoelectronic applications

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

Thursday 6 November

09:00

Workshop on Laser processing of materials for advanced optoelectronic applications

Session |

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Convener: Dr Danylo Babich

09:00–09:30

Direct optical lithography and scanning laser processing of materials for advanced optoelectronic applications

Speaker

Prof. Volodymyr Dzhagan

09:30–09:45

Ultrashort Pulse Laser Microfabrication Technologies at FTMC

Speaker

Dr Andrius Žemaitis

09:45–10:00

Single-Pulse Nanosecond Laser Patterning of Nanoscale Electronic-Structural Landscapes in GeSn

Speaker

Dr Petro Lytvyn

10:00–10:15

Laser reduction of Graphene Oxide films on SiO₂-Si structures

Speaker

Prof. Alexei N. Nazarov

10:15–10:30

Formation and Properties of GeSn and GeSn:C Films

Speaker

Prof. Volodymyr Yúkhymchuk

10:30–10:45

Fabry-Pérot Enhanced THz Sensitivity of Antenna-Coupled HgCdTe Detectors

Speaker

Prof. Zinoviia Tsybrii

10:45–11:00

Photoinduced formation of semiconductor nanocrystals in amorphous arsenic chalcogenides

Speaker

Dr Yuriy Azhniuk

11:00