

Session Program

5-7 Nov 2025

26TH SYMPOSIUM ON PHOTONICS AND OPTICS SPO 2025

Poster Session

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

Friday 7 November

11:30

Poster Session

Session |

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Convener: Dr Kateryna Yablochkova

11:30-11:35

POLARITONS EXCITED IN ZnO CERAMICS

Speaker

Prof. Oleksandr Melnichuk

11:35-11:40

Spectroscopic study of bovine serum albumin complexation with ibuprofen and silver nanoparticles

Speaker

Iryna Doroshenko

11:40-11:45

Spectral properties of the new boron-containing dyes in composite thin films fabricated using thermal vacuum deposition method

Speaker

Oleksandr Navozenko

11:45-11:50

Analysis of dose-dependent luminescence of uncapped InGaAs quantum dots under ^{60}Co γ -rays treatment

Speaker

Oksana Strilchuk

11:50-11:55

Methodology for microhardness profiling of composite materials

Speaker

Mykola Melnichenko

11:55-12:00

Modeling the Effect of Grain Reorientation on Crack Propagation in SiC

Speaker

Vadym Shvernyk

12:00-12:05

Increasing the red emission of Mn^{4+} in magnesium aluminate by alloying with TiO_2

Speaker

Lyudmyla Borkovska

12:05-12:10

Phase composition of coatings formed by the gas-detonation spraying of hydroxyapatite powder

Speaker

Valentyna Nosenko

12:10-12:15

Peculiarities of microfibrillated and bacterial cellulose luminescence properties**Speakers**

Mr Danylo Morozov, Dr Vitalii Chornii

12:15-12:20

Luminescent properties of Eu ions doped $(1-x)(27\text{P}_2\text{O}_5-36\text{MoO}_3-5\text{Bi}_2\text{O}_3-32\text{K}_2\text{O})-x\text{KBi}(\text{MoO}_4)_2$ glasses and glass-ceramics**Speakers**

Mr Vasyl Cherevyshnyi, Dr Vitalii Chornii

12:20-12:25

Ag/Au nanoparticles of different shape for SERS detection of nitro group compounds**Speaker**

Nazar Mazur

12:25-12:30

Perovskites with variable bandgap as the basis of new semiconductor materials**Speaker**

Danylo Kreiman

12:30-12:35

Structural and morphological transformation of thermally reduced graphene oxide at high temperatures**Speaker**

Diana Hurova

12:35