

25TH SYMPOSIUM ON PHOTONICS AND OPTICS SPO 2024

Thursday, November 7, 2024

Advances in Nonlinear Optics and Laser-Matter Interactions: 1 - Room 103 (11:00 AM - 12:10 PM)

-Conveners: Danylo Babich

time	[id] title	presenter
11:00 AM	[19] Laser ultrasonics for the excitation of ultrafast acoustics or ultra-intense ultrasounds	Dr PEZERIL, Thomas
11:30 AM	[8] The effect of substrate temperature in laser-induced high velocity micro-particle impacts	Dr CHABAN, Ievgeniia
11:55 AM	[64] Photoacoustic technique for determining optical absorption coefficients in nanostructured silicon	Dr LISHCHUK, Pavlo

Advances in Nonlinear Optics and Laser-Matter Interactions: 2 - Room 103 (1:00 PM - 3:00 PM)

-Conveners: Danylo Babich

time	[id] title	presenter
1:00 PM	[99] Nonlinear plasmonic nanostructures for quadratic nonlinear optics	Prof. LEDOUX-RAK, Isabelle
1:30 PM	[26] Stimulated Raman scattering microscopy: theory and applications	Dr SHYNKAR, Vasyl
2:00 PM	[41] Dependence of the random lasing threshold and spectrum of dyes on the parameters of the active scattering medium	Dr SMALIUK, Andrii
2:15 PM	[65] About the possibility of visualizing scattering areas of a medium using random lasing	Mr ZHURAVSKY, Michael
2:30 PM	[76] Peculiarities of forced radiation formation in thin dyed hybrid organic-inorganic films	Mr PODSHEBIAKIN, Artem
2:45 PM	[14] Transitioning from Manual to Automated Control: Mode-Locked Ultra-Fast Fiber Lasers via Machine Learning and Genetic Algorithms	YOUNES, MUHAMMAD HAMZA