2nd International Conference of thePanHellenic Optical Society (PHOS)
POSTER SESSION, Friday 2 October 2026

Poster ID	Title	Author
1	Photonic Analog-to-Digital Conversion using Optical Neural Networks	A. Prapas et al
2	Programmable Silicon Nitride Photonic Physical Unclonable Function for Quantum-enhanced Authentication	G. Sarantoglou et al
3	Point-to-Multipoint Sensing of Weak Urban Events in 50G HS-PON	M. Fylaktaki et al
4	Laser-based Material Processing Activities in the Ultrafast Laser Micro-Nano Processing	S. Maragkaki et al
5	High-Sensitivity bimodal plasmo-photonic biosensor for C-reactive protein detection	L. Damakoudi et al
6	Guiding LIPSS Formation on Polymer Thin Films through Damage Threshold Characterization	E. Dimitroulaki et al
7	Record-High Sensitivity On-Chip Refractive Index Sensor using Twin-Plasmonic-Arm Silicon Photonic MZIs	P. Zdoupas et al
8	Accelerating High-Speed Optoelectronic System Modelling: A Deep Learning Perspective on Nonlinear Device Emulation	S. Deligiannidis et al
9	Field Trial of a 50G HS-PON Architecture supporting 1x16 All-Photonic Gateway and Time-Sensitive Network	M. Vargemidou et al
10	Towards Scalable Quantum Clock Synchronization Networks using InGaAs Single-Photon Avalanche Detectors and High-Brightness Integrated Entanglement Photon Pair Sources	K. Sozos et al
11	20GHz In-sity Optical Backpropagation for Training AWGR-based Hyperdimensional Photonic Tensor Cores	O. Asimopoulos et al
12	Modelling Nanophotonic Structures in Layered Media with Surface Integral Equations	P. Mavrikakis et al
13	Euclidean Distance Calculation Engine using Analog Silicon Photonics	G. Tsamis et al
14	A Phase Shifting Interferometer as a compact optical profilometer for 3D inspection of Photonic Integrated Circuits and low dimension materials	S. Sarigiannidis et al
15	Phase Change Materials for Low-Power Photonic Switching and Optical Memory Features	S. Raptis et al