

TMOS Conference 2025 Poster Titles

	First Name	Last Name	Abstract Title	Type of Presentation
1	Oleg	Bannik	MEMS-enabled spectrally tunable plasmonic infrared filter	Poster presentation
2	Rocio	Camacho Morales	All-optical image processing by tuneable VO ₂ metasurfaces	Poster presentation
4	Jinyuan	Chen	Simultaneous Visible and Mid-Infrared Single-pixel Imaging Using Frequency-	Poster presentation
5	Lincoln	Clark	Neural network parameterised topology optimization of metasurfaces	Poster presentation
7	Yiyang	Cui	Multi-channel wavelength-selective thermal emitter based on Tamm plasmon	Poster presentation
8	Sarah	Dean	Multispectral Polarisation Imaging with a Single Dielectric Metasurface	Poster presentation
11	Anna	Fitriana	Dispersion Engineering of SiN Membranes for Femtosecond Pulse Compression	Poster presentation
14	Xiaoying	Huang	Deterministically position a single quantum dot in a nanopillar diode for	Poster presentation
15	Yana	Izdebskaya	All-Optical Tuning of Dielectric Metasurfaces Infiltrated with Dye-Doped Liquid	Poster presentation
17	Sudhanshu	Kumawat	Black phosphorous mid-infrared photonic crystals	Poster presentation
18	Phuong	Le	Rewritable Multi-level Colour Image Displays based on Antimony Selenide Thin	Poster presentation
19	Zhe	Li	An efficient numerical protocol for modelling 2D/3D nanowire single-photon	Poster presentation
24	Fahia Tarannum	Munna	Damage Free HgCdTe Semiconductor Thin Film After the Epitaxial Lift-Off for	Poster presentation
25	Aayushi	Nanda	Electrostatically tunable metasurface for spectral filtering in Terahertz range	Poster presentation
26	Sergei	Nedic	Visible Integrated Photonics with Tantalum Pentoxide	Poster presentation
29	Gabriel	Oyarzo Ojeda	A Simulation-Based Inference Framework for Robust Quantitative Spectroscopy	Poster presentation
30	Carlo	Panu	Topological Edge States and Exceptional Points	Poster presentation
31	PARUL	PARUL	High-Efficiency Thin-Film GaAs Solar Cells with Selective Contacts: Design,	Poster presentation
32	Xiwen	Qiu	Generation of tunable quantum entanglement via phase change material in	Poster presentation
33	Rahil	Rezwan	All-Optical Modulation of Atomically Thin Flat Lens	Poster presentation
34	Carsten	Ronning	Ion beams for photonics and quantum technology	Poster presentation
35	Maryam	Setareh	Generating solenoid beams with an amplitude-type spatial light modulator	Poster presentation
36	Yuzi	Song	Mid-Infrared photonic-crystal surface-emitting lasers based on InAs nanowire	Poster presentation
37	Srishti	Srishti	Metasurface laser cavity	Poster presentation
38	Shaban	Sulejman	Metasurfaces for all-optical object recognition	Poster presentation
39	Lakshmi	Ullatil	Bottom Up Epitaxial Growth and characterization of III-V metasurfaces on (100)	Poster presentation
40	RISHABH	VASHIST	Phase-Selective Growth Strategies for achieving Wurtzite GaP Nanowires	Poster presentation
41	Haiwei	Wang	Quantitative differential phase contrast imaging using a colour and polarization	Poster presentation
42	Fengkai	Wei	Enhancement of photoluminescence of Er 3+ ions by Mie-resonant silicon nitride	Poster presentation
43	Wei Wen	Wong	Photonic crystal-integrated dual-resonance InGaAs photodetector for optical	Poster presentation
44	Yang	Xu	Intracavity Solenoid Beam Generation with Metasurface	Poster presentation
46	Ziwei	Yang	All-Optical Tunable Dielectric Metasurfaces Driven by Polarization-Induced	Poster presentation
48	Anastasiia	Zalogina	Inverse-Designed Nanophotonic Demultiplexer for Exciton Routing	Poster presentation