

DoKDoK 2026 Poster Sessions

Poster Session I: Tuesday, 18.08.206

Presenter	Title
Leah Haase	Characterization and Optimization of a SPDC Source of Highly Non-Degenerate Correlated Photon Pairs
Zhenpu Li	Disordered Gallium Phosphide Metasurfaces for Nonlinear Light Control
Xuwen Liu	3D-Printed Twisted Metasurfaces: A Novel Path for Nanoscale Polarization Control
Sneha Biju	Second Harmonic Interferometric Imaging of Ferroelectric Domains in 3R-MoS ₂
Sandhya Sushil	Strain Engineering and Quasiparticle Dynamics In Suspended Monolayer WS ₂ and WSe ₂
Ye Bo	Investigating cancer cell mechanical plasticity with Brillouin microscopy
Nlandu Lebeau	Optical Detection To Gain Insights Into Neurodegenerative Diseases
Mustapha Driouech	Ultrafast Strong-Field Dynamics In Thiophene Oligomers
Rasa Melnike	Development of a Compact Single-Shot Correlator For Femtosecond Jitter Diagnostics
Nishitha Prabhakaran	Beyond Passive Photonics: Enabling Active Functionality In Lithium Niobate
Katharina Trockel	Hyperuniform Rear Contacts As Light Trapping Concept For Ultrathin CIGSe Solar Cells

Poster Session II: Thursday, 20.08.206

Presenter	Title
Richard Bernecker	Maximally Entangled States in High Dimensions via Pump Engineering and Modal-Space Design
Henrick Höllerer	Photon-Pair Generation In Waveguide Metasurfaces
Mohammed Al-Obaidi	Towards Second Harmonic Generation in Lithium Niobate Meta-Waveguides
Una Abinash Patro	Metaoptics For Extreme Ultraviolet Light
Yashvi Bulsara	Optical Properties of a Transition-Metal Dichalcogenide-ZnO Nanowire Field-Effect Transistor
Raja Hoffmann	SH Modulation In a TMD-Graphene Heterostructure
Irene Santos Mayo	Probing Charge Dynamics and Plasmonic Resonances in Hybrid MoS ₂ -Au Nanocone Structures
Anastasiia Gaganina	Bloch Surface Wave-Based Sensing of Breast Cancer Biomarkers
Jana Spoerer	Stimulated Raman Excited Fluorescence on Plasmonic Azimuthally Chirped Grating
Carles Marti Farras	Numerical evaluation of Casimir forces using the discontinuous Galerkin time-domain method
Davy Tesch	Exploring porous glasses as a class of 3D hyperuniform optical materials