

Posters

Muneeb Ali	Local spectroscopy on thin films using white-light interferometry
Georg Bergner	Versatile microscopy setup combining ISM, FLIM, STED, and adaptive optics
Khadija Boughanbour	Computational investigation and optimization of perovskite solar cell performance
Benedict Diederich	Teaching Computational Microscopy Using An Open, Modular Holography Education Kit
Filip Dłużewski	Optical-Tweezer-Driven Sample Rotation for Motion-Robust 3D Refractive Index Tomography
Eva Ernst	Skip the picture, keep the signal: Speeding up indirect wavefront sensing in three-photon microscopy
Areeba Fatima	Microscopy image upsampling via multi-modal image fusion
André Felgner	Do you trust your measurement results? - Strategies for instrument characterization pave the path to reliable measurement data
Francois Figliolia	Fourier Transform Acousto-Optic Imaging: Toward Real-Time Imaging of Thick Biological Media
Leen Ileimi	Brightfield Snapshot 3D Microscopy: Towards In Vivo Imaging
Szymon Jastrzebski	Raman Spectroscopy guided by Optical Diffraction Tomography for biomedical applications
Gabin Jeatsa Kitio	Design of a Low-Cost Smart Digital Microscope for Medical Diagnosis in Low-Resource Settings

Posters

Fatima Zahra Kamli	Multiscale investigation of La-doped BiVO₄: From experimental characterization to DFT modeling
Nikolai Karner	Holographic Light Shaping for Precision Photobleaching in Live Cell Membranes
Augustas Karpavicius	High-speed fly-scan ptychography with single pulse diffraction
Syed Muhammad Kazim	Zero-shot quantitative phase imaging from coded wavefront sensing measurements using optical flow networks
Rahel Koch	ADAM vs. PIE: Evaluation and Optimization of Reconstruction Algorithms for Lensless Imaging
Lucas Kreiss Roohian	Single-shot Quantitative phase and Polarimetric Imaging (QP²I) for label-free, non-phototoxic imaging of live cardiomyocytes
Martyna Mazur	Full-field swept-source quantitative phase imaging with temporal coherence gating
Giorgio Meroni	Quantitative Evaluation of the Efficacy of Holographic Scattering Correction in Two-Photon Microscopy
Johannes Meyer	The Missing Scale in Surface Reflectance: Optical Linear Algebra for Reflectance Measurement
Maciej Mojkowski	Influence of Optical Aberrations on Lateral and Axial Resolution in Image Scanning Microscopy
Zhonghui Nie	Speedy Extreme Ultraviolet Ptychography with a Microchannel plate and Timepix3 detector
Amir Peiraviminaei	Robust and Reliable Motion Estimation for Fourier Diffraction Tomography

Posters

Leonardo Pestana Legori	Hyperspectral Tomographic Diffractive Microscopy: Development and Applications
Sobhi Saeed	Optical-Processing of Raman-Encoded Signals
Pablo Stickar	Fourier domain opticalcoherence tomography
Ondrej Stranik	Viscope - from virtual to real instrument control
Sai Deepika Sure	Single-shot sectioning in 3D I-COACH using cross-correlation and computational reconstruction
Andrew Voitiv	Correlation-Enhanced Spontaneous Raman Spectroscopy and Imaging
Zhiping Wang	Towards Computational Phase Imaging for Monitoring Light-Based Fabrication
Wojciech Wroblewski-Wojtkiewicz	Hybrid coherent/incoherent QPI systems for high throughput phase measurements in biomedical applications
Li-Yu Yu	Transcriptomics-informed label-free multiphoton microscopy for mouse brain imaging
Hossein Zarei Oshtolagh	Maximum Likelihood Localization Maps
Haitao Zhou	Physics-based neural networks for imaging and focusing in scattering media exploiting the memory effect
Xuemei Gu	Designing physics experiments with artificial intelligence