

SPIE OPTICAL SYSTEMS DESIGN 2024 BEST STUDENT PAPER AWARDS

Optical Design and Engineering IX

13019-50

The importance of pupil imaging for distortion correction in zoom lenses (Invited Paper)

Jacob A. Sacks, Univ. of Rochester (United States)

Advances in Optical Thin Films VIII

13020-55

Spatially and angularly resolved scatterometry equipment for a quantitative characterization of scratches, digs, and contamination

Adrien Bolliand, Aix-Marseille Univ. (France), Institut Fresnel (France), CNRS (France)

Computational Optics 2024

13023-19

Enhancing three-dimensional beam shaping accuracy through cascaded spatial light modulators using diffractive neural networks

Paul Buske, RWTH Aachen Univ. (Germany), Fraunhofer-Institut für Lasertechnik ILT (Germany)

Optical Instrument Science, Technology, and Applications III

13024-16

Compact and portable scanning fiber-optic confocal microendoscopy system for reflectance and fluorescence imaging

Susan Thomas, Indian Institute of Technology Madras (India)

OPTICAL SYSTEMS DESIGN 2024 BEST PAPER SPONSORSHIPS:

Conference on Computational Optics 2024

1st place

Best Paper Award Sponsored by:

ASML



13023-19

Enhancing three-dimensional beam shaping accuracy through cascaded spatial light modulators using diffractive neural networks

Paul Buske, RWTH Aachen Univ. (Germany), Fraunhofer-Institut für Lasertechnik ILT (Germany)

Conference on Computational Optics 2024

2nd place

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13023-6

Characterization of scattering systems using multi-plane neural networks

Suraj Goel, Heriot-Watt Univ. (United Kingdom)

Conference on Computational Optics 2024

3rd place

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13023-16

Advances in modeling and optimization for two-photon lithography

Valeriia Sedova, Fraunhofer-Institut für Integrierte Systeme und Bauelementetechnologie IISB (Germany)

No entries received:

CONFERENCE 13021, Optical Fabrication and Testing VIII

CONFERENCE 13022, Illumination Optics VII