

**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)

**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**

1<sup>st</sup> place

Best Paper Award Sponsored by:

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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**

**2<sup>nd</sup> 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**

**3<sup>rd</sup> 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)**

**Conferences that have not selected an SPIE Best Student Paper winner:**

CONFERENCE 13023, Computational Optics 2024

**No entries received:**

CONFERENCE 13021, Optical Fabrication and Testing VIII

CONFERENCE 13022, Illumination Optics VII