

The European Optical Society Annual Meeting, EOSAM, is a major international scientific conference covering all aspects of optics and photonics, through plenary and topical sessions, tutorials and industry exhibition. EOSAM was celebrated this year, in 2025, in Delft, The Netherlands, organized by the European Optical Society, EOS, in close collaboration with The Delft University of Technology, TU Delft.

EOSAM included a high-quality program organized around ten topical meetings, focused sessions, posters and other special sessions. 450 attendees enjoyed over 350 presentations during the week. An exhibition area for the photonics industry has been set up at the heart of the conference. A wide range of optical technologies, from components to complete systems, was presented to meet the needs of both fundamental research and industrial applications. This year EOSAM included these sessions and topical meetings:

F2P-Face2Phase

TOM-Adaptive and Freeform Optics

TOM-Applications of Optics and Photonics

TOM-BioPhotonics and Biosensors

TOM-Nanophotonics

TOM-Nonlinear and Quantum Optics

TOM-Optical Fiber Technology

TOM-Optical Materials

TOM-Quantum Polaritonics

TOM-Ultrafast Phenomena

Focused Sessions:

FS: Mid-Infrared Photonics: Materials, Devices, and Applications

FS: Optics with Complex Wavefronts

FS: Visual Optics and Imaging

EU Project Session

HR Strategies for the Growing Photonics Industry: Podium Discussion

EOS-COS Session

In addition, a call was made for submission of selected papers for publication in JEOS-RP, the journal of the European Optical Society, covering the latest advances in both theory and applications of optics and photonics grouped in the included program at the conference.

We would like to express our gratitude to the European Optical Society, the Delft University of Technology, together with all other partners, in addition to the chairs of the different TOMs and

sessions for their support and help in the organization of the Conference. We finally want to acknowledge all the authors who have submitted their work to be included in this volume and especially thank all those collaborating persons who acted as reviewers of the papers included in this volume for their excellent work.

The editors:

General Chair: Omar El Gawhary , TU Delft

General Chair: Stefan Witte, TU Delft

Program Chair: Ignacio Moreno, President-Elect of the European Optical Society, EOS