

# OPTICA

## Optics & Photonics Congresses and Topical Meetings

Discover the future through Optica Events.  
[Optica.org/Events](https://Optica.org/Events)

# 2025

## Discover the Future Through Optics and Photonics

In 2025, Optica will convene meetings around the world to advance achievements in the science of light.

Our events provide you with a vital platform to introduce yourself and your research to the world and enhance your professional network. These are essential and valuable outcomes to propel your career.

Join us for dynamic presentations and engaging scientific dialogue. Leave inspired to build upon your own research with new professional relationships and collaborations.

Learn more about our 2025 events.  
[Optica.org/Events](https://Optica.org/Events)



# Enhance Your Career with Optica Events

## PROFESSIONAL RECOGNITION

Accepted and presented papers are published on the Optica Publishing Group's platform, ensuring that your work will make an impact long after the meeting has concluded. Optica further supports the visibility of your work by indexing in Ei Compendex, Scopus and Google.

## GLOBAL REACH

Optica Events attract speakers from the world's most prestigious institutions and companies. Our meetings provide invaluable opportunities to interact with presenters and attendees worldwide and engage in meaningful discourse.

## COMMUNITY SUPPORT

We make it easier for meeting attendees to travel through needs-based support in the form of registration waivers for Optica Members in Tier 1 emerging economies and Family Care Grants. Optica also recognizes student members through scholarships, grants and awards.

2025

# Optica Conferences, Congresses and Topical Meetings

## **Optica Biophotonics Congress**

20 - 24 April 2025

Loews Coronado Bay Resort  
Coronado, California, USA

Abstract and Summary Submission Deadline: 10 December 2024

Advance Registration Deadline: 07 March 2025

### CO-LOCATED TOPICAL MEETINGS

Bio-Optics: Design and Applications

Clinical and Translational Biophotonics

Novel Techniques in Microscopy

Optical Manipulation and its Applications

Optical Molecular Probes, Imaging and Drug Delivery

Optics and the Brain

Focused on optics in the life sciences, the congress explores cutting-edge microscopic optical imaging tools, contrast agents, optical manipulation techniques, brain studies and the role of AI in biophotonics research.

[Optica.org/LifeSciencesOPC](https://Optica.org/LifeSciencesOPC)

## **Optica OIC – Optical Interference Coatings Conference**

18 - 23 May 2025

El Conquistador Tucson, A Hilton Resort  
Tucson, Arizona, USA

Abstract and Summary Submission Deadline: 14 January 2025

Advance Registration Deadline: 21 March 2025

Serves as a forum for optical coatings, including design theory, materials, deposition method and applications in electronic displays, optical communication and space.

[Optica.org/OIC](https://Optica.org/OIC)

Image: Laser-processed THz mm-scale metamaterials (MMs). Refractive index measurement of IP-S and IP-Dip photoresists at THz frequencies and validation via 3D photonic MMs made by direct laser writing. Xomalis, Angelos et. al, *Optical Materials Express* 13 (11) 3355-3364 (2023). Image adapted as 3D model with permission from authors.

## **Optica Quantum 2.0 Conference and Exhibition**

01 – 05 June 2025

Hilton San Francisco Union Square  
San Francisco, California, USA

Abstract and Summary Submission Deadline: 28 January 2025

Advance Registration Deadline: 11 April 2025

Explores scalable quantum computers, simulators and sensors including accelerometers, gravimeters and magnetometers; quantum networks, quantum-enabled information processors and algorithmic design.

[Optica.org/QuantumConference](https://Optica.org/QuantumConference)

## **Optica Design and Fabrication Congress**

15 – 19 June 2025

Embassy Suites by Hilton Denver Downtown Convention Center  
Denver, Colorado, USA

Abstract and Summary Submission Deadline: 11 February 2025

Advance Registration Deadline: 02 May 2025

CO-LOCATED TOPICAL MEETINGS

Flat Optics

Freeform Optics

Optical Fabrication and Testing

Showcases modern design tools leveraging AI for cost reduction, manufacturability enhancement and system performance improvement, with a focus on additive manufacturing, freeform design, micro-optics and metasurfaces.

[Optica.org/DesignFabOPC](https://Optica.org/DesignFabOPC)

## **European Conferences on Biomedical Optics**

Presented by Optica and SPIE

22 – 26 June 2025

ICM – International Congress Center Messe München  
Munich, Germany

Abstract and Summary Submission Deadline: 18 February 2025

Advance Registration Deadline: 09 May 2025

Brings together scientists, engineers and clinicians to connect and share their research in optics and photonics to solve biomedical problems.

[Optica.org/ECBO](https://Optica.org/ECBO)



## **Optica Advanced Photonics Congress**

13 - 17 July 2025

Marseille Chanot Exhibition and Convention Centre  
Marseille, France

Abstract and Summary Submission Deadline: 11 March 2025

Advance Registration: 30 May 2025

### CO-LOCATED TOPICAL MEETINGS

Integrated Photonics Research, Silicon and Nanophotonics  
Novel Optical Materials and Applications  
Photonic Networks and Devices  
Signal Processing in Photonic Communications  
Solar Energy and Light-Emitting Devices

Addresses optical materials, wafer-based optics, specialty fibers and applications in signal processing, communications, solar energy, lighting and displays.

[Optica.org/PhotonicsOPC](https://Optica.org/PhotonicsOPC)

## **Optica Sensing Congress**

20 - 24 July 2025

Hilton Long Beach  
Long Beach, California, USA

Abstract and Summary Submission Deadline: 18 March 2025

Advance Registration Deadline: 06 June 2025

### CO-LOCATED TOPICAL MEETINGS

Applied Industrial Spectroscopy  
Fourier Transform Spectroscopy  
Hyperspectral Imaging and Sounding of the Environment  
Optical Sensors  
Optics and Photonics for Sensing the Environment  
Quantum Sensing and Metrology

Presents advancements in optical sensing, including PICs, fiber-based sensing, quantum technology, THz sensing, manufacturing solutions and comb spectroscopy with fiber lasers and mid-IR sources.

[Optica.org/SensingOPC](https://Optica.org/SensingOPC)



### **Optica Nonlinear Optics Topical Meeting**

04 – 07 August 2025

'Alohilani Resort Waikiki Beach  
Honolulu, Hawaii, USA

Abstract and Summary Submission Deadline: 01 April 2025

Advance Registration Deadline: 13 June 2025

Covers all aspects of fundamental science to diverse applications, showcasing new phenomena, devices, materials and applications across various time scales, energies and frequencies.

[Optica.org/NLO](https://www.optica.org/NLO)

### **Optica Imaging Congress**

18 – 21 August 2025

Hyatt Regency Seattle  
Seattle, Washington, USA

Abstract and Summary Submission Deadline: 15 April 2025

Advance Registration Deadline: 08 July 2025

#### CO-LOCATED TOPICAL MEETINGS

3D Image Acquisition and Display: Technology, Perception and Applications

Computational Optical Sensing and Imaging

Digital Holography and Three-Dimensional Imaging

Imaging Systems and Applications

Propagation Through and Characterization of Atmospheric  
and Oceanic Phenomena

Radiographic Imaging and Tomography

Addresses image acquisition, processing and display, covering 2-D/3-D imaging, machine learning, AI applications, hardware advancements and imaging in non-visible spectra including THz and X-ray.

[Optica.org/ImagingOPC](https://www.optica.org/ImagingOPC)

### **Optica Laser Congress and Exhibition**

19 – 23 October 2025

Prague Congress Centre  
Prague, Czechia

Abstract and Summary Submission Deadline: 17 June 2025

Advance Registration Deadline: 05 September 2025

#### CO-LOCATED TOPICAL MEETINGS

Advanced Solid State Lasers Conference

Applications of Lasers for Sensing and Free Space Communication

Laser Applications Conference

Highlights recent applications and advancements in solid-state laser development, machine tools, machine learning in materials processing and laser-based materials processing techniques across various applications.

[Optica.org/LaserOPC](https://www.optica.org/LaserOPC)

## CO-SPONSORED CONFERENCES

### **OFC Conference and Exhibition**

Co-Sponsored by IEEE Communications Society,  
IEEE Photonics Society and Optica

Technical Conference: 30 March – 03 April 2025

Exhibition: 01 – 03 April 2025

Moscone Center

San Francisco, California, USA

[OFCConference.org](http://OFCConference.org)

### **CLEO Conference and Exhibition**

Co-Sponsored by American Physical Society – Division of  
Laser Science, IEEE Photonics Society and Optica

Technical Conference: 04 – 09 May 2025

The CLEO Hub: 06 – 08 May 2025

Long Beach Convention & Entertainment Center

Long Beach, California, USA

[CLEOConference.org](http://CLEOConference.org)

### **Frontiers in Optics + Laser Science Conference and Exhibition**

Co-Sponsored by American Physical Society –  
Division of Laser Science and Optica

Technical Conference: 26 – 30 October 2025

Science + Industry Showcase: 28 – 29 October 2025

Colorado Convention Center

Denver, Colorado, USA

[FrontiersInOptics.org](http://FrontiersInOptics.org)



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Contact Us

Optica provides customer service weekdays from 08:30 to 18:00 in the US Eastern Time Zone.

[custserv@optica.org](mailto:custserv@optica.org)  
+1 202.416.1907

**OPTICA** Advancing Optics and  
Photonics Worldwide

Global Headquarters  
2010 Massachusetts Ave. NW  
Washington, DC 20036  
USA

[Optica.org/Events](https://www.optica.org/Events)