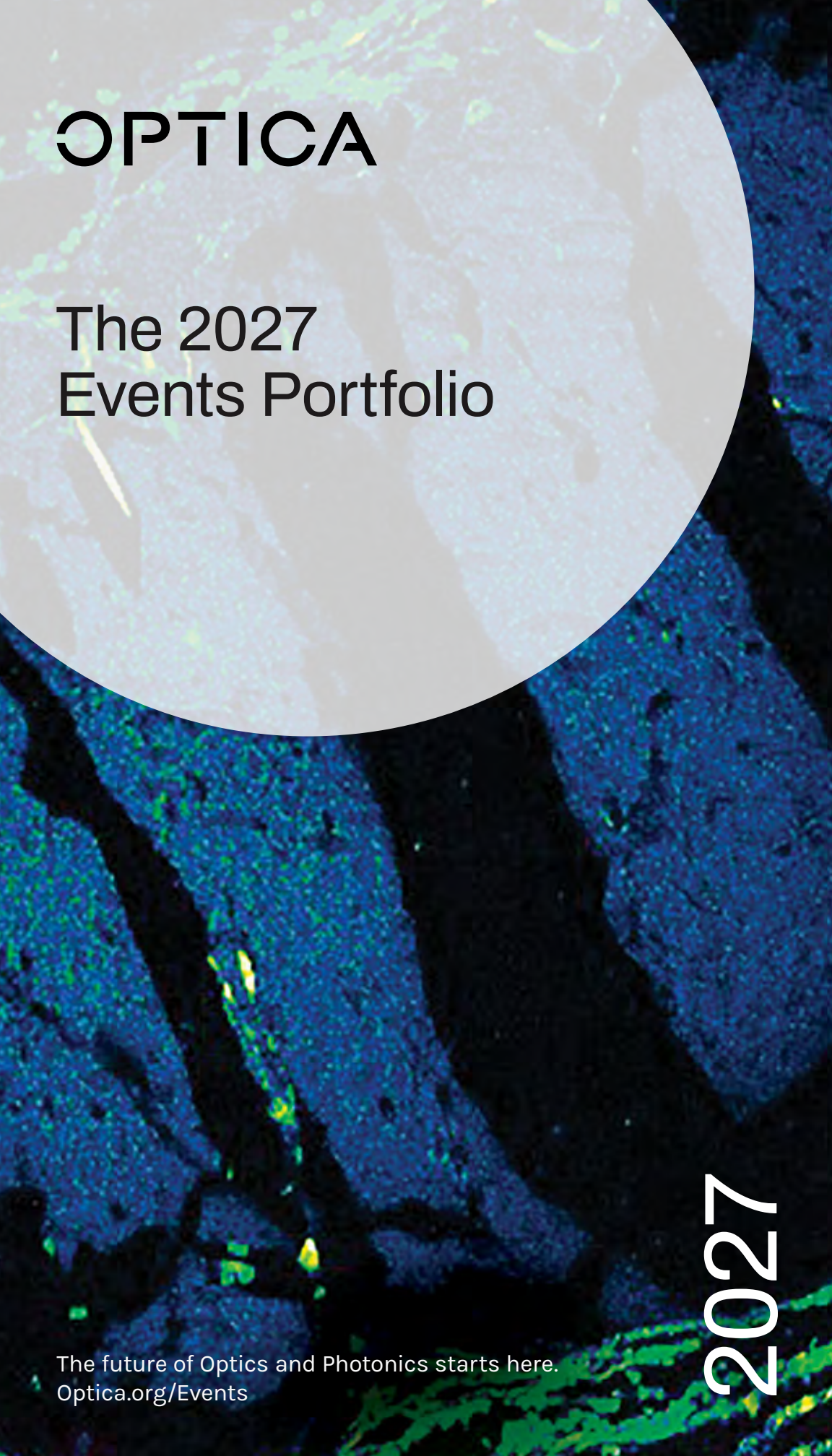




OPTICA

The 2027 Events Portfolio

The future of Optics and Photonics starts here.
Optica.org/Events

2027

Discover the Power of Being There

Discovery happens through research. Progress happens when we come together. Optica Events provide the platform for industry and academia to come together to advance science.

Each event is designed intentionally to encourage interaction, creating opportunities for collaboration and extending conversations beyond the presentation room.

From engaging technical sessions and hands-on learning, to informed discussions and face-to-face networking, Optica Events create an environment where attendees can share perspectives, ask questions and discover new horizons.

Because sometimes, the most valuable part of the meeting, is the conversation that you didn't plan on having.

Learn more about all of Optica's 2027 events at Optica.org/Events.



Connect to Your Community

Optica is dedicated to creating meaningful opportunities that uplift and unite our global community. Attending our events becomes a catalyst for learning, active engagement and collaborative knowledge-sharing with researchers and industry worldwide.

GAIN 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 IMPACT

Optica Events attract an influential audience of scientists, industry leaders and government representatives from notable institutions and organizations around the world. Attending our meetings provides invaluable opportunities to interact with presenters and attendees from around the world.

FUNDING SUPPORT

Optica makes it easy to travel to our meetings by extending needs-based support in the form Family Care Grants and registration waivers for Optica Members in Tier 1 emerging economies. Optica also recognizes student members through scholarships, grants and awards.

Cover Image: Section of mouse calvarial bone days after injury imaged through second-harmonic generation (SHG) microscopy, revealing changes in collagen organization and tissue remodeling. The SHG signal of fibrillar collagen is displayed in green, while blue shows the autofluorescence of primarily organic, non-collagen components in bone tissue. Maria Alice Paularie, Bruno Henrique Costa, Emerson Alberto da Fonseca, Leandro M. Malard (*Universidade Federal de Minas Gerais, UFMG, Minas Gerais, Brazil*); Érika Lorena Fonseca Costa de Alvarenga, Bruno Henrique Costa (*Universidade Federal de São João del-Rei, UFSJ, Minas Gerais, Brazil*)

2027

Optica Events Portfolio

Optica Design and Fabrication Congress

11 – 15 April 2027

Hilton Antwerp Old Town
Antwerp, Belgium

Serves as a forum for innovations that significantly advance system architectures, functions and performance, while ensuring manufacturability across a wide range of applications and industries.

TOPICS

Design Theory and Methods, including Co-design with Sources and Detectors
Optical Materials and Fabrication
Optics Characterization, Metrology, Assembly and Packaging
System Integration and Applications

Abstract and Summary Submission Deadline: 01 December 2026

Advance Registration Deadline: 26 February 2027

Optica.org/DesignFab

Optica Biophotonics Congress

18 – 21 April 2027

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

Connects work in light science with biology and medicine through diverse optical methods, advanced discoveries and practice for a multidisciplinary audience.

TOPICS

Bio-Optics: Design and Application
Clinical and Translational Biophotonics
Novel Techniques in Microscopy
Optical Manipulation and its Application
Optical Molecular Probes, Imaging and Drug Delivery
Optics and the Brain

Abstract and Summary Submission Deadline: 08 December 2026

Advance Registration Deadline: 05 March 2027

Optica.org/Biophotonics

Interior Image: Autofluorescence image of an avocado (*Persea Americana*) stem-cross-section. The intrinsic fluorescence highlights the structural organization of vascular tissues, with xylem vessels and surrounding cell walls clearly delineated in bright green. Maria Alice Paularie, Bruno Henrique Costa, Emerson Alberto da Fonseca, Leandro M. Malard (*Universidade Federal de Minas Gerais, UFMG, Minas Gerais, Brazil*); Érika Lorena Fonseca Costa de Alvarenga, Bruno Henrique Costa (*Universidade Federal de São João del-Rei, UFSJ, Minas Gerais, Brazil*)

Optica Quantum 2.0 Conference and Exhibition

07 – 10 June 2027

Bella Center Copenhagen

Copenhagen, Denmark

Brings together the global community driving the next era of quantum technology. The program spans quantum computing, networking and communications, sensors and metrology from fundamentals to devices, systems and the overall quantum ecosystem.

Abstract and Summary Submission Deadline: 09 February 2027

Advance Registration Deadline: 23 April 2027

Optica.org/QuantumConference

Optica ImageSense Congress

12 – 16 July 2027

The Westin Ottawa

Ottawa, Ontario, Canada

Covers advances in imaging and sensing technologies including, computational imaging, neuromorphic imaging and AR/VR applications, plus optical sensing for areas such as agriculture and quantum technologies.

TOPICS

Advanced Imaging Systems and Technologies

Computational Imaging Techniques

Adaptive Optics and Wavefront Measurement

Environmental Characterization

Spectroscopy and Chemical Analysis

Quantum Sensing and Metrology

Components and Architectures for Sensing and Imaging

Photonic and Biological/Biomedical Sensing and Imaging

Abstract and Summary Submission Deadline: 09 March 2027

Advance Registration Deadline: 28 May 2027

Optica.org/ImageSense



Optica Advanced Photonics Congress

18 – 22 July 2027

Grand Millennium Auckland

Auckland, New Zealand

Explores advances from fundamental photonic science and materials through devices, systems, networks and applications, creating opportunities for exchange across interconnected areas of photonics research and technology.

TOPICS

Integrated and Nanophotonics

Optical Communications and Networks

Fibers, Gratings and Waveguide Technologies

Nonlinear and Ultrafast Photonics

Optical Materials and Emerging Photonic Technologies

Energy, Lighting and Thermal Photonics

Abstract and Summary Submission Deadline: 16 March 2027

Advance Registration Deadline: 04 June 2027

Optica.org/Photonics

Optica Laser Congress and Exhibition

31 October – 04 November 2027

Centre des congrès de Québec

Québec City, Québec, Canada

Highlights recent advances in laser sources, materials and technologies, nonlinear and high-field science, sensing and communications, laser-based techniques and applications spanning science, industry, medicine, energy and space.

TOPICS

Laser Sources, Systems and Enabling Technologies

Optical Materials, Photonics and Nonlinear Optics

Ultrafast, High-Intensity and High-Field

Sensing, Imaging and Metrology

Optical and Quantum Communications and Information Technologies

Laser Applications and Emerging Technologies

Abstract and Summary Submission Deadline: 29 June 2027

Advance Registration Deadline: 17 September 2027

Optica.org/Laser

CO-SPONSORED CONFERENCES

OFC Conference and Exhibition

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

Technical Conference: 07 – 11 March 2027

Exhibition: 09 – 11 March 2027

Los Angeles Convention Center

Los Angeles, California, USA

[OFCConference.org](https://ofcconference.org)

CLEO Conference and Exhibition

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

Technical Conference: 02 – 07 May 2027

Exhibition: 04 – 05 May 2027

Long Beach Convention Center

Long Beach, California, USA

[CLEOConference.org](https://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 September 2027

Science + Industry Showcase: 28 – 30 September 2027

Seattle Convention Center: The Arch

Seattle, Washington, USA

FrontiersInOptics.org



Stay in Touch. Sign up for notifications.
Optica.org/Focus

Contact Us

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

custserv@optica.org
+1 202.416.1907

OPTICA Advancing Optics and
Photonics Worldwide

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

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