

# 5TH INNOVATIONS IN OPTICS, PHOTONICS, AND LASER ENGINEERING

 OPTIC LASER 2027

*Conference*

**BERLIN,  
GERMANY**

**MARCH  
29-30, 2027**

**THEME**

"Exploring Next-Generation Photonic and Laser  
Technologies"

[HTTPS://OPTICSLASERSCONFERENCE.COM/](https://opticslasersconference.com/)





# Welcome Message from the Oren Aharon

**Dear Colleagues and Friends,**

It is a great honor to welcome you to the **5th Innovations in Optics, Photonics, and Laser Engineering Conference**, held on **March 29-30, 2027** at **Berlin, Germany**.

This year's theme, "**Exploring Next-Generation Photonic and Laser Technologies**" reflects the exciting progress of our field—where foundational scientific discoveries continue to drive transformative technologies that influence research, industry, and everyday life. As Conference Chair, I am delighted to help create a platform that encourages collaboration, innovation, and the exchange of pioneering ideas.

Among the many exciting topics we will explore is the integration and entanglement of multiple photonic instruments into unified platforms. This emerging approach has the potential to transform the alignment and coordination of photonic elements by significantly improving precision while reducing setup time and operational complexity. Such advancements are paving the way for intelligent, multifunctional optical systems that combine the capabilities of an entire laboratory into streamlined and highly adaptable platforms.

We are entering a defining era in optics and photonics, where precision engineering, system integration, and interdisciplinary collaboration are more important than ever. I look forward to the insightful discussions, groundbreaking presentations, and meaningful connections that this conference will inspire.

Thank you for being part of this vibrant scientific community. I wish you a productive, engaging, and rewarding conference experience.

Warm regards,

**Oren Aharon**

Founder & CTO, Duma Optronics

Conference Chair – Optics-Laser 2027





# About Conference

THEME: "Exploring Next-Generation  
Photonic and Laser Technologies"

The **5th Innovations in Optics, Photonics, and Laser Engineering Conference (Optics-Laser 2027)** is an international scientific event dedicated to advancing research and applications in modern optical and laser technologies. Scheduled to take place on **29–30 March, 2027** in **Berlin, Germany**, the conference brings together researchers, engineers, industry experts, and academic professionals working at the forefront of photonics and laser engineering.

Under the central theme “Exploring Next-Generation Photonic and Laser Technologies,” Optics-Laser 2027 aims to highlight emerging breakthroughs that are shaping the future of light-based science and engineering. The program is expected to feature keynote lectures, technical sessions, panel discussions, and poster presentations covering a wide range of topics, including advanced photonic materials, ultrafast laser systems, optical communication technologies, nanophotonics, quantum optics, biomedical optics, and industrial laser applications.

## Why Choose Us



### Expert Speakers

Learn from globally recognized researchers, scientists, and industry professionals in optics, photonics, and laser engineering.



### Latest Innovations

Explore cutting-edge advancements in laser technology, optical communication, quantum photonics, and emerging research areas.



### Networking Opportunities

Connect with academicians, industry leaders, innovators, and students to build valuable collaborations and career opportunities.



### Research & Career Growth

Present your work, gain international exposure, and discover new opportunities for research partnerships and professional development.

## Accelerating Digital Growth Through Intelligent Technology

“Their automation solutions significantly improved our operational speed and reduced manual errors.”



### Oren Aharon

Founder & CTO, Duma Optronics,  
Israel





# Themes and Topics

THEME: "Exploring Next-Generation Photonic and Laser Technologies"

- Silicon Photonics for Next-Generation Computing
- Metasurfaces and Flat Optics
- High-Power Laser Engineering and Industrial Applications
- AI and Machine Learning in Photonics
- Optical Communication Systems and 6G Networks
- Optical Biosensors and Lab-on-Chip Systems
- Nanophotonics and Plasmonics
- THz Photonics and Applications
- Photonic Materials and Emerging 2D Materials
- Holography and 3D Imaging Technologies
- Adaptive and Nonlinear Optics Systems
- Laser–Matter Interaction and Material Processing
- Emerging Trends in Photonic and Biomedical System Integration
- Optical Frequency Combs and Precision Photonics
- AR/VR and Holographic Display Photonics
- Environmental and Climate Photonics
- Quantum Photonics and Quantum Information Processing
- Ultrafast Laser Science and Attosecond Physics
- Photonic Integrated Circuits (PICs) and Packaging
- Nonlinear and Nonclassical Optics
- Biophotonics and Medical Imaging
- Laser Medicine and Therapeutic Applications
- Integrated Optics and Waveguide Technologies
- Optical Metrology and Precision Measurement
- Free-Space Optics and LiDAR Systems
- Optical Computing and Neuromorphic Photonics
- Photonics for Renewable Energy
- Space and Atmospheric Photonics
- Photonic Packaging and Heterogeneous Integration
- Photonic Security and Optical Encryption Systems
- Optical Neural Interfaces and Brain–Photonics Interaction
- Photonics for Defense, Security, and Surveillance Systems

**\*ALL RELEVANT PAPERS FALL UNDER THE THEME AND SCOPE OF THE CONFERENCE ARE ACCEPTED**





# Meeting Agenda

|                                        |                             |                                                                                                                          |
|----------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 08:00-09:00                            | REGISTRATIONS               | Starts with a registration and with welcome kits and badges provided. .                                                  |
| 09:00-09:15                            | OPENING CEREMONY            | Officially starts at 9:00 AM with remarks from the organizing committee and keynote introductions.                       |
| 09:15-10:45                            | KEYNOTE SESSIONS            | Held each morning with international experts addressing the latest advances in Optics, Photonics, and Laser Engineering. |
| 10:45-11:05                            | COFFEE BREAK                | Scheduled mid-morning for networking and refreshments.                                                                   |
| 11:05-13:00                            | KEYNOTE SESSIONS            | Held each morning with international experts addressing the latest advances in Optics, Photonics, and Laser Engineering. |
| 13:00-13:45                            | LUNCH AND NETWORKING        | A lunch break Provided daily with options for all dietary preferences. before the afternoon activities.                  |
| 13:45-16:00                            | SPEAKER SESSIONS            | Concurrent sessions highlighting the latest breakthroughs and innovations in Optics, Photonics, and Laser Engineering.   |
| 16:00-16:20                            | NETWORKING AND REFRESHMENTS | Casual gathering over coffee and light snacks , ideal for professional connections.                                      |
| 16:20-18:00                            | SPEAKER AND POSTER SESSIONS | Speaker and Poster Sessions throughout both days, with author Q&A sessions during designated hours.                      |
| CLOSING CEREMONY AND PANEL DISCUSSIONS |                             |                                                                                                                          |



# Sponsorship Opportunities

“The aims and objectives of this unique conference are to bring together researchers in Optics, Laser & Photonics to present and discuss the most recent developments in these fields all over the world”.

## Why Sponsor & Exhibit?

- Reach your ideal audience through exclusive sponsorship and exhibition opportunities in optics, photonics, and laser engineering.
- Enhance your brand visibility with high-impact exposure among global researchers, industry experts, and technology leaders.
- Connect directly with key decision-makers, innovators, and professionals driving advancements in optical and laser technologies.
- Showcase innovative solutions, discover emerging products, and maximize your marketing return through strategic industry engagement.

## Event Highlights:

- 25+ Engaging Scientific & Technical Sessions
- 5+ Hands-on Workshops & Training Programs
- 30+ Hours of High-Value Networking Opportunities
- 15+ Distinguished Keynote Speakers
- Balanced Participation from Industry & Academia (50:50)
- 50+ Renowned Speakers & Research Experts
- Exclusive B2B Networking & Collaboration Meetings
- World-Class Technology Exhibitions & Innovation Showcases





# About SCHOLARS CONFERENCES

“Accelerating the Cutting-Edge Scientific Research into Success by Bringing People Together”

## Who We Are

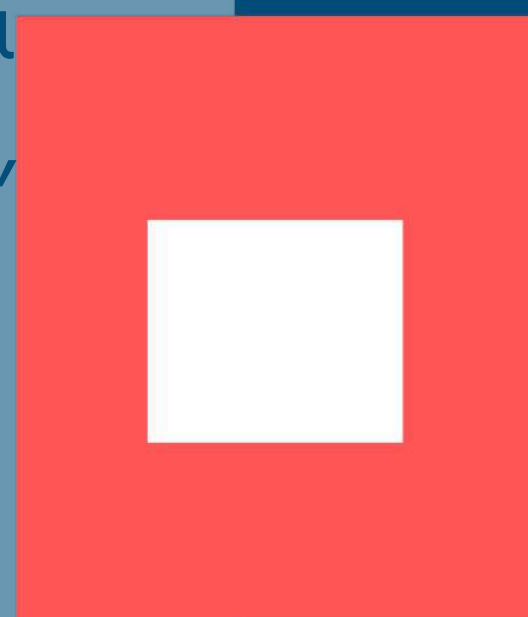
Scholars Conferences is a global leader in Conferences, Meetings, Workshops, Symposia and, Webinars in all major fields of Pharma, Medicine, Health Care, Science and Technology.

Scholars Conferences endeavours to disseminate the scientific knowledge and research through its Scientific Conferences and Meetings.

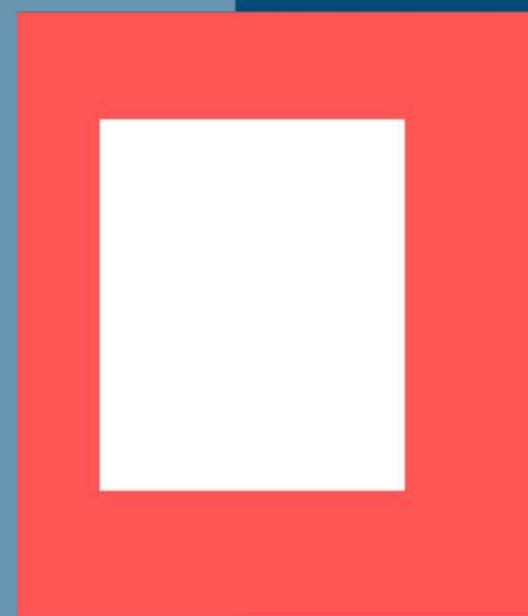
Scholars Conferences is currently organizing International Conferences, Meetings, Workshops, Symposia and, Webinars with a main theme of “Accelerating the Cutting-Edge Scientific Research into Success by Bringing People Together”.

## WHY CHOOSE US?

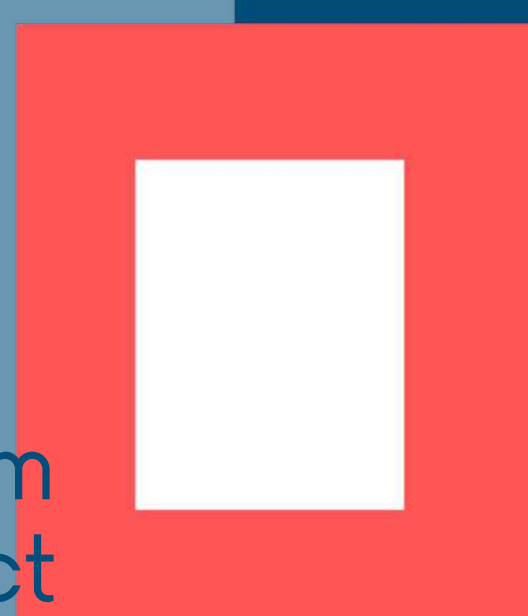
Why does a Scholars Conferences stand out from other scientific meetings? Our meetings attract an exclusive number of audience who have a narrow concentration within a specialized field. We create a platform for informal, workshop style forums delivering a more intense scientific experience unlike other larger style conferences.



We focus on bringing a much-needed level of efficiency and quality standards in the way we service our clients, thus building lasting partnerships-based quality, innovation, and commitment to abide by our deeply rooted core values.



We are a truly professional group of individuals, striving hard to maintain and improve the quality of execution of our services. Our people constituting our team are our key assets.



Lambda Research Group strives to become internationally renowned for providing meetings of outstanding scientific quality, bringing together smaller interest groups to create informal and workshop style interactions, bridging a gap in the scientific conference community.

Reach Us

Contact us today!



**+447426060443**



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<https://opticslasersconference.com/>



# UNIQUE FEATURES SCHOLARS CONFERENCES

“Accelerating the Cutting-Edge Scientific Research into Success by Bringing People Together”



## Pursue Innovations

We work on pursuing the spread of new knowledge to the students, researchers, Scientists, academicians, research laboratories by sharing a common platform. This will facilitate the technological advancements that transform the globe.

01



## Real Networking

Focus on professional aspect of networking which will further boost the professional confidence, leads to the exchange of ideas, helps you meet people at all professional levels, exchange of ideas. This will nurture and create more visibility for different fields of budding researchers in their career path.

02



## Explore the Knowledge

Present, share and explore the knowledge and/or completely different areas of study. We provide ways to discuss with the new faces one to one about their research they are working on which will further enhance on their own work. Presenting makes the presenter more confident and new perspectives toward the project in new doorways.

03



## Transform the Science

Discussing on latest research with worldwide speakers and delegates from various fields will bring the most gradual and progressive developments in transforming the science in the field of medical, clinical, pharma and engineering.

04

Reach Us

Contact us today!



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# GLIMPSES OF Previous OPTICS- LASER Conferences





# Help Desk

“Accelerating the Cutting-Edge Scientific Research into Success by Bringing People Together”

## CALENDAR MARKS

- First Round of Abstract Submission: August 28, 2026
- Second Round of Abstract Submission: September 26,
- 2026 Final Phase of Abstract Submission: March 20,
- 2027 Early Bird/Standard Registration: August 31, 2026
- Mid-Term Registration: September 30, 2026
- On-spot Registration: March 30, 2027

## VENUE

**Berlin, Germany**

## MEET OUR TEAM

### **DAVID BISHOP**

PROGRAM DIRECTOR OPTICS-LASER  
2027

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SPONSORSHIP ENQUIRY:

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MANAGER

