



# SPIE. PHOTONICS WEST LASE

25 - 30 January 2025  
The Moscone Center  
San Francisco, CA, USA

CALL FOR PAPERS

Submit abstracts by  
17 July 2024

## Fiber Lasers XXII: Technology and Systems (LA102)

Conference Chair: **Thomas Schreiber**, Fraunhofer-Institut für Angewandte Optik und Feinmechanik IOF (Germany)

Conference Co-Chair: **Matthias Savage-Leuchs**, Lockheed Martin Aculight Corp. (United States)

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As research, development, and deployment of fiber lasers continues to expand, the Fiber Lasers Conference at Photonics West has become the preeminent gathering in the field. Drawing leading researchers from universities, laboratories, and industry, it provides a comprehensive update in all areas of fiber lasers and amplifiers. Submissions are solicited in all areas related to fibers and fiber lasers broadly categorized into the following four sub-categories:

- Fiber Lasers and Amplifiers: Scaling and Limits
- Devices, Components and Sub-systems
- Specialty Diodes/Pump Lasers for Fiber Lasers
- Fiber Laser Materials and Spectroscopy
- Design, Fabrication, and Characterization
- Environmental hardened fiber lasers
- Special Fibers: Crystalline, Multi Core, PCF
- Ultrafast and High Energy Fiber Lasers
- Advanced Beam Control Techniques
- Narrow Linewidth and Mode-locked Fiber Lasers
- Visible and Mid-IR Fiber Lasers.

### SPECIAL ABSTRACT REQUIREMENTS: PEER REVIEW

Submissions to this conference must include the following three separate abstracts:

- 100-word text abstract (for online program)
- 250-word text abstract (for abstract digest)
- 2-page extended abstract required from contributed speakers (supplemental file; for committee review only)
  - the extended abstract is limited to two pages, including tables and figures
  - include author names and affiliations; text; any figures, tables, or images; and sufficient data to permit peer review (main body text font size at least: 11 pt. Times/Times Roman)
  - for US letter-size, set margins to .875 in. (2.22 cm) left and right, 1.0 in. (2.54 cm) top and 1.25 in. (3.17 cm) bottom
  - for A4 size, set margins to 1.925 cm left and right, 2.54 cm top, and 4.94 cm bottom
  - only the extended abstract (PDF file) will be considered by the review committee when scoring submissions to determine acceptance
  - extended abstracts will be used only for the purpose of peer review and will not be published
  - contributions without an extended abstract will not be considered for the conference.

**Submissions must be completed by the abstract deadline. This conference does not accept post-deadline abstracts for oral presentation.**

### BEST STUDENT PRESENTATION AWARDS

A cash prize donated by our cosponsors will be awarded to the top 3 student oral presentations. Additionally, the winner of the best presentation award will be granted a 1-year honorary membership to the program committee (which means that the winner will be involved in the scoring of the manuscripts, in organizing next year's best student presentation award, and will get access to all the internal discussions/meetings of the current program committee). To be eligible for consideration, the student must:

- be a graduate or undergraduate full-time student
- have conducted the majority of the work to be presented
- be the submitting author and select "Yes" when asked if you are a full-time student
- select yourself as the speaker
- under TOPIC selection, choose "Consider for Best Student Presentation Award"
- be accepted to present an oral presentation
- submit your manuscript online by the deadline
- make the oral presentation.

Presentations will be judged by the committee based on scientific merit, impact, as well as clarity of the student presenter's talk. While the manuscript will not be judged, it is expected.

### SUPPORT FOR AUTHORS

Based on availability of sponsorship funds, reduced registration fees or partial travel support may be available for presenting authors whose submissions are accepted. If you wish to apply, please contact SPIE (JenL@SPIE.org) after notification of paper acceptance. Include your SPIE paper number, name, and amount/type of support requested. Requests will be accepted through October 2024 for Photonics West 2025.

[www.spie.org/la102call](http://www.spie.org/la102call)

#PhotonicsWest

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# Present your research at SPIE Photonics West

Follow the instructions below to develop a successful abstract for submission to a conference and review policies for publication in the Proceedings of SPIE in the SPIE Digital Library. Submissions subject to chair approval.

## Important dates

Abstracts due	17 July 2024
Registration opens	October 2024
Authors notified and program posts online	7 October 2024
Submission system opens for manuscripts and poster PDFs*	25 November 2024
Poster PDFs due for spie.org preview and publication	2 January 2025
Manuscripts due	8 January 2025
Advance upload deadline for oral presentation slides**	23 January 2025

\*Contact author or speaker must register prior to uploading

\*\*After this date slides must be uploaded onsite at Speaker Check-in

## What you will need to submit

- Presentation title
- Author(s) information
- Speaker biography (1000-character max including spaces)
- Abstract for technical review (200-300 words; text only)
- Summary of abstract for display in the program (50-150 words; text only)
- Keywords used in search for your paper (optional)
- Check the individual conference call for papers for additional requirements (i.e., special abstract requirements or instructions for award competitions)

Note: Only original material should be submitted. Commercial papers, papers with no new research/development content, and papers with proprietary restrictions will not be accepted for presentation.

## How to submit your abstract

- Visit the conference page: [www.spie.org/la102call](http://www.spie.org/la102call)
- Choose one conference that most closely matches the topics of your abstract. You may submit more than one abstract, but submit each abstract only once
- Click the title of the conference to view the full description and submit by clicking the "Submit an Abstract" button on that page
- Sign in to your SPIE account, or create an account if you do not already have one
- Follow the steps in the submission wizard until the submission process is completed
- If your submission is related to an application track below, indicate the appropriate track when prompted during the submission process

## Application track

Listed below are the application tracks available for this meeting. Application tracks aggregate presentations and focus on emerging technical and societal needs that require a multidisciplinary approach.

- **AI/ML:** Papers that highlight the use of artificial intelligence, machine learning, and deep learning to create and implement intelligent systems across multiple sectors, technologies, and applications
- **Sustainability:** Papers that highlight the use of optics and photonics for renewable energy, natural resource management, sustainable manufacturing, and greenhouse gas mitigation in support of the UN Sustainable Development Goals
- **Brain function:** Papers that highlight the development of innovative optics and photonics technologies that increase our understanding of brain physiology and function
- **Translational research:** Papers that highlight the transition from bench to bedside using the latest photonics technologies, tools, and techniques for healthcare
- **3D printing:** Papers that highlight the innovative use of optics and photonics in multidisciplinary applications for multidimensional manufacturing
- **Photonic chips:** Papers that highlight advances in materials, design, fabrication, integration, testing and packaging of photonic components at the chip level

## Submission agreement

All presenting authors, including keynote, invited, oral, and poster presenters, agree to the following conditions by submitting an abstract:

- Register and pay the conference registration fee
- Agree to receive email messaging for the conference series
- Oral presenters: recording and publication of your onsite presentation (slides synched with voice) for publication in the Proceedings of SPIE in the SPIE Digital Library
- Poster presenters: one person may not present more than two posters in a poster session; poster presenters may submit an optional poster PDF available for preview in the online program (web and app) and for publication in the Proceedings of SPIE in the SPIE Digital Library
- Submit a manuscript by the advertised due date for publication in the Proceedings of SPIE in the SPIE Digital Library
- Obtain funding for registration fees, travel, and accommodations
- Attend the meeting
- Present at the scheduled time

## Review and program placement

- To ensure a high-quality conference, all submissions will be assessed by the conference chair/editor for technical merit and suitability of content
- Conference chairs/editors reserve the right to reject for presentation any paper that does not meet content or presentation expectations
- Final placement in an oral or poster session is subject to chair discretion

## Publication of Proceedings in the SPIE Digital Library

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- Only manuscripts, presentations, and posters presented at the conference and received according to publication guidelines and due dates will be published in the Proceedings of SPIE in the SPIE Digital Library
- Manuscripts, presentations, and posters will be officially published after the event in the SPIE Digital Library
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- More publication information available on the [SPIE Digital Library](http://SPIEDigitalLibrary)

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## Contact information

### QUESTIONS?

Contact the coordinator listed in your spie.org account.

For questions about your presentation, submitting an abstract or the meeting, contact your conference program coordinator.

For questions about publication or the SPIE Digital Library, contact your proceedings coordinator.

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