Fiber Lasers XXI: Technology and Systems (LA102)

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

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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
- Fiber Laser Materials, Design, Fabrication, and Characterization
- Fiber Laser Devices and Sub-systems
- Specially Designed Fiber Lasers for Specific Applications

SPECIAL ABSTRACT REQUIREMENTS: PEER REVIEW

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

1. 100-word text abstract (for online program)
2. 250-word text abstract (for abstract digest)
3. 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- Extended abstracts will be used only for the purpose of peer review and will not be published.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 be not 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
- select yourself as the speaker
- under TOPIC selection, choose “Consider for Best Student Presentation Award”
- 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 FROM LOW-INCOME ECONOMIES

Based on availability of sponsorship funds, reduced registration fees or partial travel support may be available for presenting authors from low-income countries 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 2023 for Photonics West 2024.

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www.spie.org/la102call

#PhotonicsWest
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

<table>
<thead>
<tr>
<th>What you will need to submit</th>
<th>Submission agreement</th>
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<tr>
<td>Abstracts due</td>
<td>All presenting authors, including keynote, invited, oral, and poster presenters, agree to the following conditions by submitting an abstract:</td>
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<tr>
<td>Registration opens</td>
<td>• Register and pay the author registration fee.</td>
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<tr>
<td>Authors notified and program posts online</td>
<td>• 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</td>
</tr>
<tr>
<td>Submission system opens for manuscripts and poster PDFs*</td>
<td>• Poster presenters: submit a poster PDF by the advertised due dates for publication in the Proceedings of SPIE in the SPIE Digital Library; poster PDFs may also be published and viewable in the spie.org program during and immediately after the event. Each poster must have a unique presenter; one person may not present more than one poster per session</td>
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<tr>
<td>Poster PDFs due for spie.org preview and publication</td>
<td>• Email messaging for the conference series</td>
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<tr>
<td>Manuscripts due</td>
<td>• Submit a manuscript by the advertised due date for publication in the Proceedings of SPIE in the SPIE Digital Library</td>
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<tr>
<td>Advance upload deadline for oral presentation slides**</td>
<td>• Obtain funding for registration fees, travel, and accommodations</td>
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*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
- 250-word abstract for technical review
- 100-word summary of abstract for display in the program
- Keywords used in search for your paper (optional)
- Check the individual conference call for papers for additional requirements (for example, some conferences require 2- to 3-page extended summary for technical review, or have 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
- You may submit more than one abstract, but submit each abstract only once
- Submit by clicking the “Submit an Abstract” button on the conference 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

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

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