Nonlinear Optics and Applications (OO102)

Conference Chairs: Mario Bertolotti, Univ. degli Studi di Roma La Sapienza (Italy); Anatoly V. Zayats, King’s College London (United Kingdom); Alexei M. Zheltikov, Lomonosov Moscow State Univ. (Russian Federation)

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This conference focuses on the most recent advances in nonlinear optics and its applications.

The objective is to update the research and applications in the field providing a forum for discussion and interaction for all scientists, researchers, and engineers interested in the new results in the field of nonlinear optics.

Papers describing advances in every aspect of nonlinear optics and its applications particularly, but not limited, within the following areas are welcome:

• nonlinear, ultrafast, and quantum plasmonics
• nonlinear effects in non-homogeneous and nanoscale structures
• organic and inorganic nonlinear materials
• special nonlinear sources (parametric, up- and down-conversion, single photons) from X-rays to Terahertz
• quantum optics in nonlinear processes
• nonlinear devices for applications
• nonlinear imaging systems and applications
• novel nonlinear materials, including plasmonic and engineered structures
• nonlinear spectroscopy and microscopy
• ultrafast nonlinear optics
• high-field nonlinear optics
• modeling and simulations of nonlinear processes.

www.spie.org/OO102call
Present your research at SPIE Optics + Optoelectronics

Below are abstract submission instructions, the accompanying submission agreement, conference presentation guidelines, and guidelines for publishing in the Proceedings of SPIE on the SPIE Digital Library. Submissions subject to chair approval.

Important dates

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<th>Event</th>
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<tr>
<td>Abstracts due</td>
<td>9 November 2022</td>
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<tr>
<td>Authors notified and programme posts online</td>
<td>16 January 2023</td>
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<tr>
<td>Registration opens</td>
<td>19 January 2023</td>
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<tr>
<td>Submission system opens for manuscripts and poster PDFs*</td>
<td>20 February 2023</td>
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<td>Poster PDFs due for spie.org preview and publication</td>
<td>29 March 2023</td>
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<td>Manuscripts due</td>
<td>5 April 2023</td>
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<td>Advance upload deadline for oral presentation slides**</td>
<td>21 April 2023</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

- Title
- Author(s) information
- 250-word abstract for technical review
- 100-word summary for the programme
- 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/OO102call
- You may submit more than one abstract but submit each abstract only once.
- Click 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.

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 author registration fee
- 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: submit a poster PDF and optional preview video, by the advertised due date, for publication in the Proceedings of SPIE in the SPIE Digital Library; poster PDFs may also be published and viewable in the spie.org programme during and immediately after the event
- Submit a 4-page–minimum 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
- Ensure that all clearances, including government and company clearance, have been obtained to present and publish. If you are a DoD contractor in the USA, allow at least 60 days for clearance
- Attend the meeting
- Present at the scheduled time

Review and programme 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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For questions about your manuscript, contact your Proceedings Coordinator.