Optoelectronic Devices and Integration IX (PA104)

Conference Chairs: Xuping Zhang, Nanjing Univ. (China); Changyuan Yu, The Hong Kong Polytechnic Univ. (Hong Kong, China)

Program Committee: Dayan Ban, Univ. of Waterloo (Canada); Zhongping Chen, Beckman Laser Institute and Medical Clinic (United States); Daoxin Dai, Zhejiang Univ. (China); Ho-Pui Ho, The Chinese Univ. of Hong Kong (Hong Kong, China); Jan Ingenhoff, Ionexphotonics Inc. (Canada); Baojun Li, Jinan Univ. (China); Zhongcheng Liang, Nanjing Univ. of Posts and Telecommunications (China); Xuejun Lu, Univ. of Massachusetts Lowell (United States); Ali Masoudi, Univ. of Southampton (United Kingdom); Hai Ming, Univ. of Science and Technology of China (China); Gang-Ding Peng, The Univ. of New South Wales (Australia); Yaocheng Shi, Zhejiang Univ. (China); Yuan Shi, Allwave Lasers Devices Inc. (United States); Anna K. Swan, Boston Univ. (United States); Frank Vollmer, Univ. of Exeter (United Kingdom); Daniel M. Wasserman, The Univ. of Texas at Arlington (United States); Lixin Xu, Univ. of Science and Technology of China (China); Yang Yang, Zhejiang Univ. of Technology (China); Xinliang Zhang, Wuhan National Research Ctr. for Optoelectronics (China); Ningmu Zou, Advanced Micro Devices, Inc. (United States)

Optoelectronic devices are being used in a wide array of applications in telecommunications, solar cells, scientific instrumentation, data storage, automotive, and military applications. Photonic design and simulation methods are a prerequisite for a fundamental understanding of advanced photonic structures as well as for the development of new photonic devices and applications. Research on new materials, processes and design are giving rise to optoelectronic devices with higher efficiencies, denser integration, and better reliabilities. With the new breakthroughs in organic photonic devices, vertical-cavity surface-emitting lasers, semiconductor photodetectors and optoelectronic integrated circuits, new package designs and reliability methodologies must be developed as these devices increase in functionality and integration.

This conference is intended to provide a forum for the interchange of ideas on optoelectronic device at different levels, including design, simulation, fabrication, integration, and applications. The topics of this conference are broad and will cover, but not limited to, the following topics:

- physics and simulation of optoelectronic devices
- devices for photonic applications
- fiber and guided-wave lasers and amplifiers
- organic photonic materials and devices
- terahertz and gigahertz electronics and photonics
- synthesis and photonics of nanoscale materials
- emerging optoelectronic applications
- vertical-cavity surface-emitting lasers
- polarization maintained/scrambled laser
- semiconductor photodetectors
- reliability of optical fiber components, devices, systems, and networks
- micro-optics and photonic interconnects
- multifunctional components, and arrayed devices
- optoelectronic hybrid and monolithic integration
- integrated optics and photonic integrated circuits
- photonics packaging and integration
- surface plasmon nanolithography, plasmonic waveguide and devices.

Submit abstracts by 13 May 2020

www.spie.org/pa104call
CALL FOR PAPERS

Present your research at SPIE/COS Photonics Asia 2020

Follow these instructions to develop a successful abstract and accompanying manuscript for the conference and for publication in the Proceedings of SPIE in the SPIE Digital Library.

How to submit an abstract

1. Browse the conference Program and select one conference that most closely matches the topics in your abstract. You may submit your abstract to only one conference.
2. Click “Submit an Abstract” from within the conference you’ve chosen, and you’ll be prompted to sign in to your spie.org account to complete the submission wizard.

What you will need to submit

A completed electronic submission is due 13 May 2020 and should include the following:
- Title
- Author(s)’ information
- 250-word abstract for technical review
- 100-word text summary for the program
- Keywords used in search for your paper (optional)
- Your decision on publishing your presentation recording to the SPIE Digital Library
- Some conferences may indicate additional requirements in the Call for Papers

Submission agreement

Presenting authors, including keynote, invited, oral, and poster presenters, agree to the following conditions by submitting an abstract. An author or coauthor will:
- Register and attend the meeting.
- Present as scheduled.
- Publish a 6-20 page manuscript in Proceedings of SPIE in the SPIE Digital Library.
- Obtain funding for registration fees, travel, and accommodations, independent of SPIE/COS, through their sponsoring organizations.
- 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.

Important dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstracts due</td>
<td>13 May 2020</td>
</tr>
<tr>
<td>Acceptance Notification sent to Contact Author</td>
<td>29 June 2020</td>
</tr>
<tr>
<td>Manuscripts due</td>
<td>16 September 2020</td>
</tr>
</tbody>
</table>

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 Chair/Editors reserve the right to reject for presentation any paper that does not meet acceptable standards for a scientific publication.
- Final placement in an oral or poster session is subject to Chair discretion.

Publication of Proceedings in the SPIE Digital Library

- Conference Chair/Editors may require manuscript revision before approving publication and reserve the right to reject for publication any paper that does not meet acceptable standards for a scientific publication.
- Conference Chair/Editors’ decisions on whether to allow publication of a manuscript is final.
- Authors must be authorized to transfer copyright of the manuscript to SPIE, or provide a suitable publication license.
- Only papers presented at the conference and received according to publication guidelines and timelines will be published in the conference Proceedings of SPIE in the SPIE Digital Library.
- Oral presentations may be recorded, capturing the slides synced with the presenter’s audio. Only those with author permission will be published in the SPIE Digital Library.
- SPIE partners with relevant scientific databases to enable researchers to find the papers in the Proceedings of SPIE easily. The databases that abstract and index these papers include Astrophysical Data System (ADS), Ei Compendex, CrossRef, Google Scholar, Inspec, Scopus, and Web of Science Conference Proceedings Citation Index.
- More publication information available on the SPIE Digital Library.

Contact information

For questions about your presentation, submitting an abstract post-deadline, or the meeting, contact Matt Novak, your Conference Program Coordinator.

www.spie.org/pa104call