Molecular-Guided Surgery: Molecules, Devices, and Applications VII (BO111)

Conference Chairs: Sylvain Gioux, Intuitive Surgical, Sàrl (Switzerland); Summer L. Gibbs, Oregon Health & Science Univ. (United States)

Conference Co-Chair: Brian W. Pogue, Thayer School of Engineering at Dartmouth (United States)

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- Thomas D. Wang, Univ. of Michigan (United States)
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SPECIAL ABSTRACT REQUIREMENTS

Submissions to this conference must include:
- 100-word text abstract (for online program)
- 250-word text abstract (for abstract digest)
- 2-page extended abstract (for committee review only). The extended abstract must be submitted as a separate PDF document limited to two pages, including tables and figures. Include author names and affiliations; text; any figures, tables, or images; and sufficient data to permit committee review.

Advanced optical-molecular imaging applied to surgical guidance has emerged over the last decade as a major sector of Biomedical Optics with a growing impact and increasing numbers of clinical devices and procedures. Molecular-guided surgery relies on imaging specific markers in vivo, whether exogenous (e.g. fluorescence) or endogenous (e.g. hemoglobin), and allows healthcare practitioners to visualize features and function of tissue, in addition to the standard anatomical structures. This field requires a broad range of expertise including instrumentation, chemistry, biology, physics, tracer kinetics and clinical translation.

The number of investigators working in this specific field has grown from just a few individuals to hundreds of research groups today. This new conference aims to consolidate related work into one forum with the goals of pooling expertise and allowing the community to follow and contribute to the field’s progress while offering strong potential for discussions and collaborations.

www.spie.org/bo111call
#PhotonicsWest
Present your research at SPIE Photonics West

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**

<table>
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<tr>
<th>Event</th>
<th>Date</th>
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<tr>
<td>Abstract submission deadline</td>
<td>11 August 2021</td>
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<tr>
<td>Author notification</td>
<td>11 October 2021</td>
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<tr>
<td>Submission system opens for presentations and manuscripts*</td>
<td>29 November 2021</td>
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<tr>
<td>Manuscript due date</td>
<td>29 December 2021</td>
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<tr>
<td>Oral presentation videos due</td>
<td>29 December 2021</td>
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<td>Poster PDF and preview videos due</td>
<td>29 December 2021</td>
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<td>Oral presentation slide deadline</td>
<td>20 January 2022</td>
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*Authors must register prior to uploading.

**What you will need to submit**

- Title
- Author(s) information
- 250-word abstract for technical review
- 100-word summary for 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/bolffcall](http://www.spie.org/bolffcall)
- 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.
- If your submission is related to an application track below, indicate the appropriate track when prompted during the submission process.

**Application track**

- **Brain:** Papers that describe the development of innovative technologies that will increase our understanding of brain function.
- **Translational Research:** Papers that showcase the latest photonics technologies, tools, and techniques with high potential to impact healthcare.
- **3D Printing:** Papers that showcase innovative ways to apply this multidimensional/multidisciplinary technology.
- **COVID-19 Research:** Papers that illustrate the creativity and breadth of the optics and photonics community’s response to the COVID-19 pandemic.

**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: Submit a presentation video by the advertised due date, or agree to the presentation capture of your presentation on site, for online conference viewing during the event and publication in the Proceedings of SPIE on the SPIE Digital Library.
- Poster Presenters: Submit a Poster PDF and optional preview video by the advertised due date, for online conference viewing during the event and publication in the Proceedings of SPIE on the SPIE Digital Library.
- Submit a 4-page-minimum manuscript by the advertised due date, for online conference viewing during the event and publication in the Proceedings of SPIE on the SPIE Digital Library.
- Obtain funding for registration fees, travel, and accommodations, independent of SPIE, 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.
- 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**

- SPIE will publish all presentations for viewing during the conference, as well as permanently archive all presentations in the conference proceedings on the SPIE Digital Library.
- SPIE retains rights to distribute and market the official SPIE recording of the presentation, presentation video, and/or poster.
- Most SPIE conferences follow an onsite publication model, meaning that manuscripts received by the advertised due date will be published for online viewing during the event, as well as archived in the SPIE Digital Library.
- A select few of SPIE conferences may elect to follow a Post-Meeting model of publication in order to conduct a more thorough review of manuscripts. In this model, manuscripts will be published 2-4 weeks after the event in the SPIE Digital Library, and may not be published for online viewing during the event.
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- Conference Chairs/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/Editor decisions on whether to allow publication of a manuscript are final.
- Only papers, presentations, and posters presented at the conference and received according to publication guidelines and due dates will be published in the conference Proceedings of SPIE on 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, Inspc, Scopus, and Web of Science.
- More publication information available on the SPIE Digital Library