



Advanced Optical Imaging Technologies VII (PA107)

Conference Chairs: **Xiao-Cong Yuan**, Shenzhen Univ. (China); **P. Scott Carney**, The Institute of Optics, Univ. of Rochester (United States); **Kebin Shi**, Peking Univ. (China)

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Through non-invasive interaction between light and matter, optical imaging has become one of the most favorable and critical research tools for scientific community where a variety of topics ranging from fundamental biomedical/material science to advanced imaging applications are developed. Recent advances on more diverse imaging contrast mechanisms as well as higher spatio-temporal resolution has made advanced optical imaging technologies and their applications one of the most attractive scientific fields. This conference will provide a remarkable opportunity for scientists to present their recent progresses on exploring novel optical imaging techniques and their applications. The solicited exemplary topics include, but are not limited to:

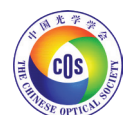
- high-resolution fluorescence and label-free imaging technologies
- nonlinear optical imaging technologies
- holographic imaging, tomographic diffractive microscopy
- near-field and plasmonics-based imaging technologies
- photo-acoustic microscopy
- photothermal imaging techniques
- computational and compressive sensing imaging technologies
- time-resolved imaging technologies such as FLIM and transient-absorption microscopy
- imaging applications in biomedical and material sciences
- quantum imaging technologies
- novel techniques for key elements in optical imaging systems such as detection and laser sources
- novel imaging algorithms and protocols.

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Present your research

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

Abstracts due	29 May 2024
Author notified and program posts online	22 July 2024
Registration opens	August 2024
Submission system opens for manuscripts and poster PDFs*	12 August 2024
Poster PDFs due for spie.org preview and publication	18 September 2024
Manuscripts due	25 September 2024

*Registration is required for presentation and publication

What you will need to submit

- 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)

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/pa107call
- 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 (attendees in Mainland China register with COS; attendees outside of Mainland China register with SPIE)
- 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 (may not be applicable at all SPIE events)
- 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
- Email messaging for the conference series
- 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

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University of
Arizona
(United States)



Qihuang Gong
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Peking University
(China)

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