



Optoelectronic Imaging and Multimedia Technology XI (PA108)

Conference Chairs: **Jinli Suo**, Tsinghua Univ. (China); **Zhenrong Zheng**, Zhejiang Univ. (China)

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The areas of optoelectronic systems for image/video acquisition and their applications have expanded rapidly in recent years, especially with the widespread development of new artificial intelligence techniques. Advanced optoelectronic sensors and novel programmable optical modulators, combined with elegant optical elements as well as smart computational algorithms, produce novel optoelectronics imaging systems that expand the dimension and resolution for image/video acquisition. Multimedia and data acquired by these new optoelectronic systems impose new challenges in analysis and processing. This conference will provide an international forum for the publishing of state-of-the-art optoelectronic systems and intelligent processing. Besides, leading scientists will present invited talks about the latest trends and innovations in the relevant fields. We are calling for papers in all relevant areas including, but not limited to, the following:

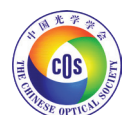
- advanced sensing systems and applications
- computational imaging
- deep optics
- physics model inspired image processing
- application of AI techniques in imaging systems
- high throughput imaging
- high-speed and high-resolution imaging
- multispectral and hyperspectral imaging
- high dynamic range imaging
- 3D image/video system
- augmented reality and visual reality technologies
- advancement in shape-from-x method
- ghost imaging /single-pixel imaging
- ultra-sonics, PET, MRI, X-ray imaging
- micro- and nano-optical imaging and its biomedical applications
- adaptive optics system
- optical computing
- novel display techniques and applications
- tomographic imaging
- time-of-flight imaging
- scattering robust imaging
- optical information processing
- image/video analysis, processing.

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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/pa108call
- 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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