



Photonics for Energy IV (PA104)

Conference Chairs: **Haizheng Zhong**, Beijing Institute of Technology (China); **Rui Zhu**, Peking Univ. (China); **Samuel D. Stranks**, Univ. of Cambridge (United Kingdom); **Jianpu Wang**, Nanjing Univ. of Technology (China)

Program Committee: **Tae-Woo Lee**, Seoul National Univ. (Republic of Korea); **Qihua Xiong**, Tsinghua Univ. (China); **Yabing Qi**, Okinawa Institute of Science and Technology Graduate Univ. (Japan); **Anita Ho-Baillie**, The Univ. of Sydney (Australia); **Osman M. Bakr**, King Abdullah Univ. of Science and Technology (Saudi Arabia); **Sheng Xu**, Univ. of California, San Diego (United States); **Feng Gao**, Linköping Univ. (Sweden); **Jia Zhu**, Nanjing Univ. (China); **Michael Saliba**, Univ. Stuttgart (Germany), Forschungszentrum Jülich (Germany); **Wolfgang R. Tress**, Zurich Univ. of Applied Sciences (Switzerland); **Yuan Yang**, Columbia Univ. (United States); **Haizheng Zhong**, Beijing Institute of Technology (China); **Wei Zhang**, Univ. of Surrey (United Kingdom); **Feng Liu**, Shanghai Jiao Tong Univ. (China); **Hin-Lap Yip**, City Univ. of Hong Kong (Hong Kong, China); **Jingshan Luo**, Nankai Univ. (China); **Zhi-Kuang Tan**, National Univ. of Singapore (Singapore); **Guichuan Xing**, Univ. of Macau (Macao, China)

This conference on photonics for energy covers fundamental and applied research areas focused on the applications of photonics for renewable energy harvesting, conversion, storage, distribution, monitoring, consumption, and efficient usage, etc. Energy utilization and optoelectronic conversion play important roles in daily life and modern society, and have also become hot research topics. This conference will provide a remarkable opportunity for scientists to present their recent progresses on photonics for energy. The solicited exemplary topics include, but are not limited to:

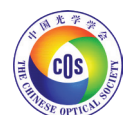
- novel photonic materials for renewable energy
- innovative photonic concepts for renewable energy
- photovoltaic devices (including thin film and organic semiconductors)
- photonic devices for efficient harvesting and conversion of solar energy
- solar thermal and concentrator technology
- energy-efficient photonic devices (e.g., solid-state lighting, flat-panel displays)
- sensors to measure, control, and regulate energy
- photonic technologies for monitoring energy usage
- photonic technologies for monitoring exhaust gases and pollutants
- measurement techniques for energy technologies
- photonics in process control (e.g., for greater energy efficiency)
- photonics in production of renewable energy devices and applications
- photonic sensors in power plants and buildings
- photonics in buildings (e.g., sensing, integrated photovoltaics).

CONTINUED NEXT PAGE →

CO-ORGANIZERS

www.spie.org/pa104call

#SPIEPhotonicsAsia



SPIE.

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/pa104call
- 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

Publication of Proceedings in the SPIE Digital Library

Increase your professional visibility and publish in the world's largest collection of optics and photonics research. Your peers access approximately 18 million papers, presentations, and posters from the SPIE Digital Library each year.

- Only manuscripts, presentations, and posters presented at the conference and received according to publication guidelines and due dates will be published in the Proceedings of SPIE in the SPIE Digital Library
- Manuscripts, presentations, and posters will be officially published after the event in the SPIE Digital Library
- Conference chairs/editors may require revision before approving publication and reserve the right to reject for publication any manuscript or presentation that does not meet acceptable standards for a scientific publication
- Conference chair/editor decision to accept or reject a manuscript, presentation, or poster for publication is final
- Authors must be authorized to provide a suitable publication license to SPIE; Authors retain copyright of all scientific material
- SPIE retains rights to distribute and market the official SPIE recording of the presentation and/or submitted video/poster
- SPIE partners with relevant scientific databases and indexes to enable researchers to easily find papers published in the Proceedings of SPIE. The databases that abstract and index these papers include Astrophysical Data System (ADS), Ei Compendex, CrossRef, Google Scholar, Inspec, Scopus, and Web of Science.
- More publication information available on the [SPIE Digital Library](http://SPIEDigitalLibrary)

ABSTRACT SUBMISSION GUIDELINES



SYMPOSIUM CHAIRS



Jennifer Barton
SPIE 2024
President,
University of
Arizona
(United States)



Qihuang Gong
COS Honorary
President,
Peking University
(China)

SPIE. DIGITAL LIBRARY

SPIE WILL PUBLISH YOUR RESEARCH GLOBALLY

www.SPIEDigitalLibrary.org

Your work will live far beyond the conference room—all proceedings from this meeting will be published in the SPIE Digital Library. Promote yourself, your ideas, and your organization to millions of key researchers from around the world through this web-based repository of the latest technical information.



Stay Up to Date via Email

Sign up to receive emails about
SPIE/COS Photonics Asia

spie.org/signup

Contact information

For questions about your presentation, submitting an abstract or the meeting, contact your Conference Program Coordinator.