

# THE INTERNATIONAL CONFERENCE ON OPTICAL AND PHOTONIC ENGINEERING

Foshan, China || Nov. 15 -18 , 2024

<https://icopen.net/>

## About icOPEN 2024

icOPEN Conference series was initiated and conducted under the auspices of the Optics and Photonics Society of Singapore (OPSS) and held annually in parts of Asia over the past 10 years. icOPEN 2024 will be held in Foshan, China during Nov.15th -18th, 2024, organized by South China Agricultural University, co-organized by Foshan-Zhongke Innovation Research Institute of Intelligent Agriculture and Robotics and Nanjing University of Science and Technology and supported by Guangzhou College of Commerce, Xinjiang University, and Shunde District Industrial Digital Economy Promotion Association of Foshan City. This year's conference will bring together colleagues and friends after a long break to discuss and exchange ideas on current trends and technologies in Optical and Photonic Engineering. We look forward to your continued support and participation.

### Conference Highlights

#### Conference General Chair

Anand ASUNDI, d'Optron Pte Ltd, Singapore

#### Conference Chairs

Xiangjun ZOU, Foshan-Zhongke Innovation Research Institute of Intelligent Agriculture and Robotics, China

Jianglei DI, Guangdong University of Technology, China

Kemao QIAN, Nanyang Technological University, Singapore

Shijie FENG, Nanjing University of Science and Technology, China

Jianping ZHOU, Xinjiang University, China

#### Publication

icOPEN 2024 conference proceedings will be published by SPIE, which will be included in SPIE Digital Library, provided to the Web of Science Conference Proceedings Citation Index-Science, Scopus, Ei Compendex, and others, to ensure maximum awareness of the Proceedings.

#### Student Competition

The Best Student Presentation Award and Best Student Poster Award of icOPEN recognizes and encourages excellence in graduate studies in the field of optics and photonics. Presentations and posters will be shortlisted based on reviewer scores. For more detail, please visit: <https://icopen.net/competition.html>

#### Special Session

Special sessions complement the regular technical program by highlighting new and emerging research topics or innovative applications of established approaches. Special sessions' topics can cover any area related to optical and photonic engineering focusing on challenging open problems of relevance in applications. For more detail, please visit: <https://icopen.net/specialsession.html>

### Call for Papers

The primary focus of the conference is on new and original research results in the areas of theoretical findings, design, implementation and applications. Both theoretical paper and simulation (experimental) results are welcome. Topics of interest include, but are not limited to the following:

- 3D Computer Vision
- 3D Image Acquisition and Display
- Advanced Laser Processing and Manufacturing
- Advanced Optical Measurement Methods and Techniques
- Agricultural Optics and Visual Inspection
- Biomedical Optics and Imaging
- Diffractive and Freeform Optics
- Digital Holography and Quantitative Phase Imaging
- Fiber Optics and Sensing Technology
- Image Processing and Deep Learning
- Laser Micro-nano Processing and Patterning
- Non-Destructive Testing and Inspection
- Optical Component and System Simulation
- Optical Functional Materials and Devices
- Optical Metrology
- Photomechanics
- Terahertz Science and Technology
- Ultrafast Lasers and Applications

### Submission Important Notes

Participant needs to submit the abstract first before the deadline. After the abstract passed the review, if you wish to publish your paper, please submit the full paper of the same abstract before the deadline. Full paper review result will be sent to you after double-blinded review in a short time. For abstract submissions, please visit: <https://icopen.net/sub.html>

Only the accepted full papers will be published on the conference proceedings and indexed. Submission requirements and methods can be found on the website submission page. Please strictly follow the instruction and template when submitting your manuscript.

### Important Dates

- Abstract Submission Deadline: 09-Aug.-2024
- Abstract Acceptance Notification: 25-Aug.-2024
- Full Paper Submission Deadline: 15-Oct.-2024
- Full Paper Acceptance Notification: 05-Nov.-2024
- Poster Submission Deadline: 05-Nov.-2024
- Camera-ready Paper Due: 01-Dec.-2024

Organized by



佛山市中科农业机器人与智慧农业创新研究院  
Foshan-Zhongke Innovation Research Institute of Intelligent Agriculture and Robotics



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SOUTH CHINA AGRICULTURAL UNIVERSITY



南京理工大学  
NANJING UNIVERSITY OF SCIENCE & TECHNOLOGY

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