CALL FOR PAPERS

August 17-20, 2023
Xi'an, Shaanxi, China

ICICN IEEE 2023

2023 IEEE 11th International Conference on Information, Communication and Networks

Track 10

The 2023 IEEE 11th International Conference on Information, Communication and Networks (ICICN) is set to take place in Xi'an, Shaanxi, China during August 17-20, 2023.

All submissions will be peer reviewed. Accepted, registered and presented papers will be published in the **ICICN 2023 IEEE conference Proceedings**, included in IEEE Xplore and indexed by **EI Compendex, SCOPUS**, etc.

Advanced Optical Imaging (AOI)

Submission Deadline: June 10, 2023

Brief introduction

Optical imaging plays a pivotal role in the fields of biology and medicine for its numerous advantages including high sensitivity/specificity, non-ionization, portability, and low cost. There has been an explosion in the development of novel optical imaging techniques, such as Optical Coherence Tomography, Photo-acoustic Imaging, Stimulated Resonance Raman Imaging, Multiphoton Microscopy, Super-Resolution Microscopy, Computational Optical Microscopy, etc., for understanding fundamental biological phenomena and rapid diagnosis of diseases over the past decades. This track aims to provide a forum for state-of-the-art developments in optical imaging, including the recent progress in advanced biomedical imaging, sensing, spectroscopy, diagnostics, therapeutics, and instrumentation, as well as biomedical signal processing.

Topics   Interested topics include (but not limited to):

- basic principles of biomedical optics
- diffuse optical tomography
- fluorescence molecular tomography (FMT) or fluorescence diffuse optical tomography (FDOT)
- optical coherence tomography (OCT)
- Photoacoustic imaging and spectroscopy

- Optical microscopy
- Spectroscopic and imaging techniques
- Machine learning and image processing
- Multimodality and multiscale approaches
- Basic research and translational research

Track Chairs and Co-chairs:

Wei Liu, Harbin Institute of Technology, Shenzhen, China
Wen Chen, The Hong Kong Polytechnic University, China
Xiaojun Yu, Northwestern Polytechnical University, China
Chengbo Liu, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, China

Track TPC Members

Linbo Liu, Nanyang Technological University, Singapore
Qingliang Zhao, Xiamen University, China
Jianfeng Wang, Beijing Institute of Technology, China
Jianbo Tang, Southern University of Science and Technology, China
Jianhua Mo, Soochow University, China
Zhengjun Liu, Harbin Institute of Technology, China
Shangguo Hou, Shenzhen Bay Laboratory, China

Submission Method

The online submission system is opened at EasyChair here: **http://www.easychair.org/conferences/?conf=icicn20231**
You need an easychair account, if you don't have, you can register first.

Co-sponsored by

IEEE
IEEE Photonics Society
IEEE Sensors, Systems and China Councils Joint Chapter
IEEE XI'AN 西安

会议官网

Hosted by

NORTHWESTERN POLYTECHNICAL UNIVERSITY | SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY | BEIJING UNIVERSITY OF TECHNOLOGY | XI'AN JIAOTONG UNIVERSITY | XIDIAN UNIVERSITY

Organizer

NORTHWESTERN POLYTECHNICAL UNIVERSITY | 自动化学院 School of Automation

Patrons

SHAANXI NORMAL UNIVERSITY | XI'AN UNIVERSITY OF TECHNOLOGY | MACAU UNIVERSITY OF SCIENCE AND TECHNOLOGY

Ms. Ashily Qi   E-mail: icicn_conference@163.com   ICICN Website: **http://www.icicn.org/**