



CALL FOR PAPERS

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



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

Track 13

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 **El Compindex, SCOPUS**, etc.

Wireless Network

Submission Deadline: June 10, 2023

Brief introduction

To satisfy the data rate of tens of Gbps, latencies of few milliseconds, and connection densities of millions of devices per square kilometer, the next-generation wireless network should integrate comprehensive technical explorations and architecture design. In this context, this track invites high-quality submissions mainly focused on the topics related to the physical layer, medium access control layer, and cross-layer. In particular, papers on the relevant field tests, trials, and applications from industry and academia are highly encouraged.

Topics Interested topics include (but not limited to):

- Cooperative and relay-aided communications
- Radio resource allocation
- Heterogeneous and small-cell networks
- Mobile edge computing and edge AI
- Advanced equalization, channel estimation, and synchronization
- Antennas, smart antennas, and space-time processing
- Channel modelling and propagation
- Modulation, coding, and diversity techniques
- Cross-layer design and physical-layer based network issues
- Wireless power transfer and energy harvesting for wireless communications
- Performance analysis of wireless communication systems
- Intelligent reflecting surface enhanced wireless communications
- Security/privacy issues related to wireless communications
- Open, virtualized and UL/DL decoupled Radio Access Networks for wireless communications
- Machine learning/Deep Learning/AI for wireless communication systems
- Interference management, alignment, and cancellation
- Hybrid communication systems (e.g. satellite/unmanned aerial vehicles/terrestrial/wireline hybrids/ Space-Ground Integrated Networks)
- MIMO, multi-user MIMO, massive MIMO, cell-free Massive MIMO
- Millimeter wave and Terahertz communications
- Wireless communications testbeds, field tests, and measurements

Track Chairs and Co-chairs:

Long Yang, Xidian University, China
Yuchuan Fu, Xidian University, China
Zhisheng Yin, Xidian University, China

Track TPC Members

Jie Feng, Xidian University, China
Yuchen Zhou, Xidian University, China
Lu Lv, Xidian University, China
Bingtao He, Xidian University, China
Yunchao Song, Nanjing University of Posts and Telecommunications, China
Dongbo Li, Harbin Institute of Technology
Runnan He, Peng Cheng Laboratory, Shenzhen, 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.

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