

Track 7. Mobile and Wireless Networks

The Mobile and Wireless Networkstrack focuses on the various types of mobile communications, alongside the latest developments in wireless network architectures, standards and services. This track welcomes original and innovative research work in these general areas, with a strong focus on the physical layer (PHY), network layer and cross-layer in wireless communications and PHY-related wireless network analysis and design. In particular, high-quality papers reporting on applications and validation of mobile and wireless networks from both industry and academia are greatly encouraged.

Topics

- ▶ Multiple-user (MU) multiple-input multiple-output (MIMO) communications
- ▶ Massive MIMO (mMIMO) or extremely large-scale] MIMO (XL-MIMO) communications
- ▶ Multi-cell or multi-group communications
- ▶ Novel waveforms or modulation communications
- ▶ Novel multiple access communications
- ▶ Millimeter wave (mmWave) or terahertz (THz) communications
- ▶ Unmanned aerial vehicle (UAV) or satellitecommunications
- ▶ Ultra-wideband (UWB) communications
- ▶ Full-duplex (FD) communications
- ▶ Device-to-device (D2D) communications
- ▶ Wireless information and power transfer (SWIPT)communications
- ▶ Near-Field Communications
- ▶ Internet of Things (IoT) communications
- ▶ Cognitive radio (CR) networks
- ▶ Wireless powered sensor networks (WPSNs)
- ▶ Non-terrestrial networks
- ▶ Other 5G or 6G communications or wireless networks

Track Chairs**Bin Lin***Dalian Maritime University, China***Hao Luan***Xi'an Jiaotong University, China***Tianming Ma***Shanghai University of Engineering Science, China***Submission Instruction****Submission Link:**<https://easychair.org/conferences/?conf=icct2025> and select Track 7**Template Paper (Word):**<https://www.ieee-icct.org/IEEEtemplate-word.doc>**Template Paper (LaTeX):**<https://www.ieee-icct.org/ieee-conference-latex-template.zip>**Important Dates**

Paper Submission Deadline: May 25, 2025

Notification of Acceptance: June 25, 2025

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