

2025 IEEE 25th International Conference on COMMUNICATION TECHNOLOGY

Track 3. Integrated Sensing and Communication

Integrated sensing and communication (ISAC) enables devices not only to communicate but also to sense and understand their environment, leading to a more efficient use of spectrum resources, enhanced data collection and improved context-awareness in wireless networks. ISAC plays a pivotal role in the development of future smart cities, Internet of Things (IoT), autonomous vehicles and other advanced applications requiring real-time, high-fidelity information exchange and environmental awareness.

Topics

- ▶ Cooperative ISAC design
- ▶ Channel Modeling for ISAC systems
- ▶ Information Theoretic Results for ISAC
- ▶ Multi-modal/Multi-frequency Data Fusion
- ▶ Extremely Large-scale MIMO for ISAC
- ▶ Waveform/Beamforming design for ISAC
- ▶ Near Field ISAC design
- ▶ Millimeter wave and THz technologies for ISAC
- ▶ Large AI-empowered ISAC
- ▶ Wi-Fi sensing for indoor positioning and target recognition
- ▶ Standardization progress of ISAC
- ▶ Prototype design for ISAC

Track Chairs

**Lei Guan***Xidian University, China***Cunhua Pan***Southeast University, China***Wei Wang***Zhejiang University, China***Yanan Zhang***Northeastern University, China*

Submission Instruction

Submission Link:

<https://easychair.org/conferences/?conf=icct2025> and select Track 3

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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CONTACT



Ms. Mia Xue

icct_contact@163.com

+86-19008028167