

Track 2. Signal Processing for Communications



Signal processing is an important component of the development of modern communication technology. Advanced signal processing algorithms and modules can empower contemporary and emerging communication systems, providing more and more innovative application solutions. Considering the diversity and rapid development of research in the field of communication signal processing, this track welcome original contributions in all relevant aspects of communication signal processing, including design, analysis, implementation and application.

Topics

- ▶ Signal processing techniques in B5G/6G.
- ▶ Signal processing for Integrated sensing and communication (ISAC).
- ▶ Intelligent signal processing for communication systems.
- ▶ Semantic communication systems.
- ▶ Channel estimation and equalization.
- ▶ Signal transmission, detection and synchronization.
- ▶ Signal processing for millimeter and terahertz communication.
- ▶ Signal processing for optical communications.
- ▶ Signal processing for physical layer security.
- ▶ Signal processing for intelligent reflecting surface.
- ▶ Signal processing for smart grid and powerline communications.
- ▶ Signal processing for green communications and wireless power transmission.
- ▶ Signal processing for multimedia services.
- ▶ Signal processing for wearable communications.
- ▶ Localization, positioning and tracking techniques.

Track Chairs



Chongwen Huang
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Submission Instruction

Submission Link:

<https://easychair.org/conferences/?conf=icct2025> and select Track 2

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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