2025 IEEE 25th International Conference on COMMUNICATION TECHNOLOGY

25th | IEEE ICCT

Track 5. AI for Communications and Networks

Recent advances in artificial intelligence (AI)-based communications and networks technologies have emerged as promising solutions to enhance communication signal processing and network performance. The aim of the AI-based communications and Networks symposium at IEEE ICCT 2025 is to consolidate and disseminate the latest developments and advances addressing various aspects of modeling, optimization, design, implementation, standardization and applications of AI-based communications and networks. This symposium invites participation from researchers in academia, industry and government working in the broad areas of AI-based communications and networks. Topics of interest include methodologies, techniques, theories, services, architectures and protocols.

Topics

▶ Challenges and issues in designing AI-enabled communications

▶ Architectures and building blocks of AI-enabled radio and networks

▶ Deep learning techniques for communication and networks

▶ Reinforcement learning and transfer learning for communication and networks

▶ AI and signal processing techniques for baseband

▶ AI-enabled cognitive medium access control, interference management, resource allocation

Track Chairs

Hui Gao
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Submission Instruction

Submission Link:
https://easychair.org/conferences/?conf=icct2025 and select Track 5

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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