

# 2024 IEEE 24th International Conference on Communication Technology

## 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 2024 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

01. Challenges and issues in designing AI-enabled communications
02. Architectures and building blocks of AI-enabled radio and networks
03. Deep learning techniques for communication and networks
04. Reinforcement learning and transfer learning for communication and networks
05. AI and signal processing techniques for baseband
06. AI-enabled cognitive medium access control, interference management, resource allocation

### Track Chairs

**Jienan Chen**University of Electronic Science  
and Technology of China, China**Shengli Fu**

University of North Texas, USA

**Junfei Xie**

San Diego State University, USA

#### Paper Submission Deadline

July 10th, 2024

#### Notification of Acceptance

August 5th, 2024

### Submission Instruction

**Submission Link** <https://easychair.org/conferences/?conf=icct2024> and select Track 1Template Paper (Word): <https://icct2024.com/IEEEtemplate-word.doc>Template Paper (LaTeX): <https://icct2024.com/ieee-conference-latex-template.zip>

### MAIN CONTACT PERSON

**Mia Xue**✉ Email: [icct\\_contact@163.com](mailto:icct_contact@163.com)

☎ Tel. : +86-19008028167