



Wireless Edge Intelligence: Architectures, Algorithms, Theories, and Platforms

2026 7th Information Communication Technologies Conference (ICTC) will be held in Nanjing, China during May 8-10, 2026. ICTC 2026 is sponsored by Southeast University, supported by Jiangsu Information Technology Application Society, and Alliance of Key Laboratories for Telecommunication Technology(AKL-TT). At the event, participants will have the opportunity to share their research results in the field of ICT, discuss future technology trends, and how to deal with security challenges related to digitalization. In addition, this conference will further explore how to promote continuous progress in the ICT field, thereby laying a solid foundation for digital development. You are welcome to attend ICTC!

Topics in Special Session 2

The rapid proliferation of mobile devices has triggered an explosive growth of data at the wireless edge, accelerating the evolution of edge computing to support high-accuracy, low-latency intelligent services. However, data and computational capabilities at the wireless edge are inherently heterogeneous, dynamic, and highly dispersed. This raises fundamental challenges: how can we effectively exploit unreliable, time-varying, and resource-constrained wireless networks to coordinate distributed data and computation, and ultimately enhance the quality of intelligent service delivery?

This special session aims to bring together researchers and practitioners to explore cutting-edge architectures, algorithms, theories, and experimental platforms for edge intelligence in next-generation wireless networks.

Topics of interest include, but are not limited to:

- Learning and inference architecture design
- Distributed learning paradigms, including federated, split, and their enhanced variants
- End-edge-cloud collaborative computing and inference
- Agent-based edge intelligence, including multi-agent collaboration, agentic workflow orchestration, and so on
- Orchestration of heterogeneous resources (communication, computing, storage, memory)
- Intelligent service deployment, scheduling, migration, and resilience mechanisms
- Theoretical foundations, including optimization theory, learning convergence, and related analyses
- Edge-intelligent platforms, testbed, and demonstrations

Submission Link: <https://www.zmeeting.org/submission/ictc2026>
(Choose Special Session 2 to Submit)

More details about Special session 2: https://www.ictc.net/special_2.html

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Publications

Submitted manuscripts will be peer reviewed by the conference scientific committees. Accepted papers will be included into Conference Proceedings, and submitted for indexing by **Ei Compendex** and **Scopus**. The authors of the papers will be invited to participate in ICTC 2026 to display their research works.

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Contact Us

Conference Secretary: Ms. Sia Liu
Email: ictc_general@163.com