

2026 IEEE 26th International Conference on Communication Technology

OCTOBER 16-18, 2026

ZHUHAI, CHINA

Special Session 4 Wireless Edge Computing, Caching, and Distributed Intelligence

The proliferation of 5G/6G, Internet-of-Things, and bandwidth-hungry applications has driven computing and intelligence from centralized clouds to the wireless network edge. This special session, "Wireless Edge Computing, Caching, and Distributed Intelligence," focuses on the convergence of edge computing, proactive content caching, and AI-driven distributed processing over wireless infrastructures. We invite researchers and practitioners to present novel theoretical frameworks, optimization algorithms, system architectures, and experimental results that advance the state of the art in this interdisciplinary domain. Topics of interest span intelligent task offloading, collaborative edge caching, federated and distributed learning at the edge, as well as security, energy efficiency, and quality-of-service guarantees for latency-critical services. The session aims to provide a premier forum for sharing innovative ideas and fostering collaboration between academia and industry in shaping next-generation intelligent wireless ecosystems.



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Topic of Interest

- Architecture and Resource Management for Wireless Edge Computing
- Intelligent Caching and Content Delivery at the Edge
- Federated and Distributed Learning over Wireless Edge
- Joint Optimization of Computing, Caching, and Communication (3C)
- Task Offloading, Workload Balancing, and Service Placement
- Edge Intelligence for IoT, Sensor Networks, and Industrial Applications
- Security, Privacy, and Trust in Distributed Edge Systems
- Energy-Efficient and Green Edge Computing
- Edge Computing for 5G/6G, Vehicular Networks, and UAVs
- QoS, Reliability, and Real-Time Inference at the Edge

Important Dates

Submission Due:	2026-July 1st
Notification Due:	2026-July 25
Camera-ready Due:	2026-August 10

Submission



Submission Link:
<https://easychair.org/conferences/?conf=icct2026>
(Please choose Special Session 4)