Qingdao, China >>>
April 10-12, 2026

2026 IEEE 9th World Conference on
Computing and Communication Technologies

WCCCT 2026 9th

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Special Session 3

Advanced Communication and Sensing Systems with Antenna Technologies

2026 IEEE 9th World Conference on Computing and Communication Technologies (WCCCT) will be held in Qingdao, China during April 10-12, 2026, sponsored by Ocean University of China and IEEE, co-sponsored by IEEE Qingdao AP/MTT/COM Joint Chapter, Qingdao University of Technology, Shandong Normal University, Shenzhen University, Sichuan Normal University, Xihua University, Warsaw University of Technology, Guangzhou Institute of Science and Technology, and Gannan Normal University, and technically supported by University of Haute Alsace, Okayama University, Qinghai Institute of Technology, and Key Laboratory of Wireless Sensor Network in University of Sichuan Province, Sichuan Normal University.

The emerging communication technologies and the evolution of sensing systems have imposed significant challenges in system optimization due to the increasingly large parameter space involved in the radio propagation environment. With the rapid development of Internet of Things (IoT), big data, and artificial intelligence (AI) that dramatically enhance the sensing capability of advanced communication systems, antenna technologies provide a methodology to organize the channel information into environment-based databases.

There are still many challenges and opportunities associated with advanced communication and sensing systems. This includes issues such as efficient resource allocation, mobility and handover management, QoS-aware routing and scheduling, energy-efficient communication protocols and scalable network architectures. By sharing insights, identifying challenges, and exploring innovative solutions, the session aims to catalyze advancements that will shape the future of advanced communication and aensing systems with antenna technologies.

TOPICS OF INTEREST
Information theory for advanced communication and sensing systems
Architecture design of advanced communication and sensing systems
Machine learning/Large models for advanced communication and sensing systems
Experimental testbeds and techniquesfor advanced communication and sensing systems
Use cases and applications of advanced communication and sensing systems
RIS-assisted sensing for advanced communication systems
Privacy and security issues of sensing in advanced communication systems

Please choose Special Session 3 to submit. **Submission Link: https://www.zmeeting.org/submission/wccct2026**

More details about special session 3, Please view:
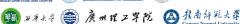https://www.wccct.org/ss_3.html

Awards
Best Paper Awards
Excellent Oral Presentation
Excellent Poster Presentation

Special Session 3 Chair

**Assoc. Prof. Wei Yang
Shenzhen Technology University, China**

Research Areas: Intelligent Wireless Communication, Cyber-Physical System, Information Security and Fusion

Co-Chair

**Senior Engineer Dr. Kaikai Liu
Chongqing University of Posts and Telecommunications, China**

Research Areas: Network Function Virtualization, Network Security

Publication

Submitted manuscripts will be peer reviewed by the conference scientific **committees. Accepted and presented papers will be published in WCCCT2026 Conference Proceedings** by **IEEE** after registration and presentation. The proceedings will be submitted for inclusion into **IEEE Xplore** and indexed by **Ei Compendex** & **Scopus**.

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