

2024 IEEE 24th International Conference on Communication Technology

Track 8. Internet-Of-Things & Sensor Networks

Internet of Things (IoT) is revolutionizing the way we live and interact with the environment, thus has gathered momentum in both industry and academia. IoT produces massive amounts of data that needs to be transmitted, analyzed, and processed. In industrial environments as well as in smart cities, communication between connected devices requires high reliability, low latency, and ultra-low power. Several technologies such as BLE, Zigbee, IEEE Std 802.15.4 TSCH, LPWAN (LoRa, Sigfox, NB-IoT, LTE-M etc.), and passive/ambient IoT have been proposed to tackle these communication requirements. The IoT and Sensor Networks Track at IEEE ICCT 2024 will provide a forum that brings together researchers to present their cutting-edge innovations in all aspects of the field.

Topics

01. 5G and beyond 5G/6G networks and IoT
02. IoT protocols, architectures and standards
03. Low power IoT technologies
04. Passive/ambient IoT (backscattering communications, energy harvesting, etc.)
05. Resource and QoS management for IoT
06. Routing and medium access control for IoT
07. Mobility, localization and context-adaptive IoT
08. IoT data management, mining and analytics
09. AI and machine learning for IoTs
10. Edge/fog computing and caching for IoT
11. Security, privacy, and trust issues for IoT
12. Wearables, body sensor networks, smart portable devices
13. IoT for smart manufacturing (industry 5.0) and smart spaces
14. Connected automotive, intelligent transport
15. Aerial, underwater and underground IoTs

Track Chairs

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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>

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