2025 IEEE 25th International Conference on COMMUNICATION TECHNOLOGY

25th | IEEE ICCT

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 2025 will provide a forum that brings together researchers to present their cutting-edge innovations in all aspects of the field.

Topics

▶ 5G and beyond 5G/6G networks and IoT

▶ IoT protocols, architectures and standards

▶ Low power IoT technologies

▶ Passive/ambient IoT (backscattering communications, energy harvesting, etc.)

▶ Resource and QOS management for IoT

▶ Routing and medium access control for IoT

▶ Mobility, localization and context-adaptive IoT

▶ IoT data management, mining and analytics

▶ AI and machine learning for IoTs

▶ Edge/fog computing and caching for IoT

▶ Security, privacy and trust issues for IoT

▶ Wearables, body sensor networks, smart portable devices

▶ IoT for smart manufacturing (industry 5.0) and smart spaces

▶ Connected automotive, intelligent transport

▶ Aerial, underwater and underground IoTs

Track Chairs

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Submission Instruction

Submission Link:
https://easychair.org/conferences/?conf=icct2025 and select Track 8

Template Paper (Word):
https://www.ieee-icct.org/IEEEtemplate-word.doc

Template Paper (LaTex):
https://www.ieee-icct.org/ieee-conference-latex-template.zip

Important Dates

Paper Submission Deadline: .... May 25, 2025

Notification of Acceptance: .... June 25, 2025

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