

**The 18th IEEE International Conference on Internet of Things**  
**Zhengzhou, Henan, China**  
**October 30 - November 02, 2025**

**Join us at the 2025 IEEE iThings Conference**

The 18th IEEE International Conference on Internet of Things (iThings 2025) is held in Zhengzhou, Henan, China, October 30- November 02, 2025. As an emerged promising networking model, the Internet-of-Things (IoT) is a novel paradigm to interconnect a multitude of heterogeneous physical objects and devices. The IoT significantly provides an umbrella for a series of critical building technologies including wireless sensor networks (WSNs), fifth generation (5G) networks, and RFID. The philosophy of the IoT is to develop an intelligent, dynamic, large-scale, and coherent network framework for a wide range of applications and industries. Due to its potential advantages and merits such as high reliability, good scalability and intelligent capacity, the IoT has attracted great attentions and interests from both academia and industry.

As the earliest IEEE International Conference on Internet of Things, the 2025 IEEE International Conference on Internet of Things (iThings 2025) will provide a high-profile, leading-edge forum for researchers, engineers, and practitioners from both academic and industrial communities to present state-of-the-art advances and innovations in theories, systems, infrastructure, tools, testbeds, technologies and applications for the IoT, as well as to identify emerging research topics and define the future of everything interconnect via cyberspace.

**IEEE iThings 2025 Tracks and Topics**

**Track 1: IoT Enabling Technologies**

- Actuator and acting technologies
- Low power and energy harvesting
- Real-time systems for IoT
- Streaming processing for IoT
- IoT big data analytics
- Cloud/fog/edge computing for IoT
- Embedded middleware design
- Cloud/fog/edge computing resource scheduling strategy for IoT

**Track 2: IoT Services and Intelligence**

- Big Data platforms for IoT
- Big Data management for IoT
- Distributed Machine Learning for IoT
- Artificial intelligence for IoT
- Semantic Computing for IoT
- IoT security, privacy and trust
- Quality of Data/Service for IoT
- Data Privacy for IoT
- Novel IoT Data processing systems

**Track 3: IoT Networks and Communications**

- Wireless communication protocols
- 5G and next generation networks
- Self-organizing networks
- Lightweight communications
- IoT network protocol algorithms
- IoT network system
- End-Edge-Cloud network systems

#### Track 4: IoT Systems and Applications

- Industrial IoT applications
- Agriculture IoT applications
- Transportation IoT applications
- Healthcare IoT applications
- Energy IoT applications
- Supply Chain for IoT
- Business system for IoT

### **Paper Submission**

All papers need to be submitted electronically through the conference submission website (EDAS) in PDF format at EDAS. Each paper is limited to 8 pages (or 10 pages with over-length charge) for a regular full paper, 6 pages (or 8 pages with over-length charge) for a full paper including figures and references using the IEEE Computer Society Proceedings manuscripts style.

### **Paper Publication**

Papers accepted by IEEE iThings 2025 conference will be published by the IEEE Computer Society Press. At least one author of each accepted paper is required to register and present their work at the conference; otherwise, the paper will not be included in the proceedings. All accepted papers will be submitted to IEEE Xplore and EI. Distinguished papers presented at the conference, after further revision, will be invited for submission to a special issue.

### **Important Dates**

Workshop Proposal: August 10, 2025

Paper Submission: August 10, 2025

Authors Notification: September 10, 2025

Camera-Ready Submission: September 30, 2025

Registration Due: September 30, 2025

Conference Dates: October 30- November 02, 2025

### **Organizing Committee**

General Chairs:

- Dusit Niyato, Nanyang Technological University, Singapore
- Antonio Puliafito, University of Messina, Italy

Program Chairs:

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