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.

The 2023 IEEE International Conference on Internet of Things (iThings 2023) 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 2023 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 Networks & 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 3: 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 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**
Main conference papers are limited to 8 pages (regular paper), or 4 pages for poster papers following the IEEE Computer Society Proceedings Format, and are to be submitted as PDF via the site: (coming soon). Paper not following the IEEE templates will be rejected without review. Papers will be selected based on their originality, significance, relevance, and clarity of presentation assessed by at least three reviewers.

**PAPER PUBLICATION**
Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed). 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. Selected papers, after further extensions and revisions, will be recommended to special issues.