

The 15th IEEE International Conference on Internet of Things (iThings-2022)

Aug 22 - 25, 2022, Espoo, Finland

IMPORTANT DATES

Workshop Proposal: March. 07, 2022
 Submission Deadline(firm): May. 07, 2022
 Author Notification Date: June. 10, 2022
 Final Manuscript Due: June. 25, 2022
 Conference Dates: August. 22-25, 2022

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Internet-of-Things (IoT) Systems

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, RFID, etc. 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.

IEEE iThings-2022 will be held in August 2022, Espoo, Finland. It aims to 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-2022 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 3: IoT Data 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 2: IoT Networks & Communications

- ✧ Wireless communication protocols
- ✧ 5G and next generation networks
- ✧ Self-organizing networks
- ✧ Lightweight communications
- ✧ IoT network protocol algorithms
- ✧ IoT network systems
- ✧ 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

WORKSHOP PROPOSAL

We invite proposals for workshops associated with the conference, addressing research areas related to the conference. Accepted workshop papers will be included in the proceedings published by IEEE. Send your proposals to Prof. Zhufang Kuang (Email: zfkuan@csuft.edu.cn) or Prof. Zichuan Xu (Email: z.xu@dlut.edu.cn) or Prof. Pengzhan Zhou (Email: pzzhou@cqu.edu.cn)

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: (<https://edas.info/N29460>). Paper not following the IEEE templates will be rejected without reviews. Papers will be selected based on their originality, significance, relevance, and clarity of presentation assessed by at least three reviewers. All submitted papers will be judged through single-blind reviews.

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, including IEEE Internet of Things Journal (IF: 9.471), IEEE Network Magazine (IF: 10.693), Information Sciences (IF: 6.795), Information Fusion (IF: 12.975), etc. More details at: (<http://iee-cybermatics.org/2022/ithings/>).

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