

The First Workshop on Internet of Things Identification Technology

October 12-27 2023
Aveiro Congress Center, Portugal

In conjunction with IEEE WF-IoT 2023



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Important dates:

Paper submission: Jul 30, 2023

Notification of acceptance: Aug 21, 2023

Camera-ready submission: Sep 29,
2023

Presentation submission: Oct 2, 2023

Description:

With the rapid development of the Internet of Things (IoT) technology, IoT identification technology has become a key enabler for achieving intelligent interconnectivity. IoT identification involves methods and techniques for unique authentication and identification of IoT devices and entities. In recent years, the integration of technologies such as blockchain and decentralized identifier (DID) with IoT has provided new perspectives and directions for IoT identification. This workshop aims to bring together experts, researchers, and practitioners from academia and industry to explore the cutting-edge advancements, innovative applications, and key challenges in IoT identification technology.

Topics of Interest:

This workshop is mainly focus on the development trends of IoT identification technology, exploring the crucial role of integrating and advancing IoT device authentication, blockchain, and decentralized identifier (DID) technologies, as well as ensuring the security and prevention of IoT identification applications. For example, the management of IoT device identification is combined with blockchain technology to enable device identity verification and data traceability, ensuring the credibility of data sources. The workshop aims to address but not limit to the following:

- Development trends and challenges of IoT identification technology
- Applications of blockchain in IoT identification
- Technology and application of distributed identification system
- Integration of decentralized identifier (DID) with IoT
- Technologies and methods for IoT device authentication
- Impact of IoT identification technology on data security and privacy
- Application of IoT identification technology in industries such as manufacturing, agriculture, and transportation
- Collaborative applications of IoT identification technology with big data, artificial intelligence, and other technologies

Paper Submission:

All papers must be submitted through eWorks. You must choose the workshop track (Work-04) when submitting your paper in order to be considered for this workshop. The paper should be up to six (6) pages in length. The conference allows up to two additional pages for a maximum length of eight (8) pages upon payment of extra page fees once the paper has been accepted.

The paper can be prepared using the template available through the Authors / Proposers tab from the WF-IoT conference website main page at:

<https://wfio2023.iot.ieee.org>.

An alternative is to use the IEEE Word or Latex tools that can be found through:

<https://conferences.ieeeauthorcenter.ieee.org/write-your-paper/authoring-tools-and-templates/>.

Authors of accepted papers will need to provide a final version of your paper in PDF format and upload it by the camera-ready deadline and complete the assignment of copyright and release form. For your paper to be included in the proceedings and published in IEEE Xplore, at least one author is required to register for WF-IoT 2023 by the deadline.

More information on the workshop:

<https://wfio2023.iot.ieee.org/1st-workshop-internet-things-identification-technology>