

October 12-27 2023  
Aveiro Congress Center, Portugal

In conjunction with IEEE WF-IoT 2023



**Organizing Chairs:**

**Liang Zhao**

*Shenyang Aerospace University*

**Yuanlong Cao**

*Jiangxi Normal University*

**Wei Zhao**

*Anhui University of Technology*

**Zhi Liu**

*The University of Electro-Communications*

**Description:**

The metaverse is a virtual reality world where users can create and tailor their avatars and interact with each other in a digital environment. On the other hand, the Internet of Things (IoT) is a network of Internet-connected physical devices, such as smart home appliances, wearables, and smartphones, that can connect with each other. By incorporating IoT devices into the metaverse, users can handle and regulate a range of smart devices within the virtual world, generating a fresh form of connection between the digital and physical realms. However, integrating the metaverse and IoT also poses numerous research and development difficulties, including issues surrounding data privacy and security, technical compatibility, and user adoption.

**Topics of Interest:**

This workshop aims to explore the intersection of Metaverse and IoT and to uncover their mutual benefits and challenges and targets the practitioners, researchers, and enthusiasts in the field of metaverse, IoT, and related disciplines. Participants are expected to possess foundational knowledge of IoT and metaverse technologies.

Topics may cover but are not limited to:

- Architecture and System Design
- Resource Allocation in IoT.
- Deep Learning Techniques for IoT.
- Emerging IoT Applications.
- Multimedia Technologies for Metaverse.
- Improving metaverse with edge computing.
- Digital twin modeling and rendering
- Quality of service and quality of experience
- Green IoT and Metaverse.
- Security, Privacy, and Trust in IoT and Metaverse
- Decentralizing IoT and Metaverse control.
- Trends emerging in IoT and Metaverse.
- Applications and case studies of IoT in Metaverse

**Important dates:**

Paper submission: Jul 30, 2023

Notification of acceptance: Aug 21, 2023

Camera-ready submission: Sep 29, 2023

Presentation submission: Oct 2, 2023

**Paper Submission:**

All papers must be submitted through eWorks. You must choose the workshop track (Work-09) 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://wfiot2023.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://wfiot2023.iot.ieee.org/1st-ieee-workshop-advancements-metaverse-and-iot>

