



Working towards a Decentralized Dependable Intelligent and Connected Future

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Description:

The growth of the decentralized Internet of Things (IoT) has been remarkable in terms of its connectivity, computing, autonomy, and reliability. Furthermore, new use cases emerging in the 5G-enabled, Blockchain-enabled, Computing-enabled, and AIoT-enabled spaces have provided unique features that enhance the IoT user experience, including broader coverage, tamper-proof features, and enhanced intelligence capabilities. As the demand for IoT to be more integrated with enabling technologies in all dimensions grows, researchers in mobile networks, blockchain, and computing have begun exploring new approaches towards creating a more connected, accountable, autonomous, and data-driven IoT ecosystem.

Topics of Interest:

The objective and motivation of this workshop will highlight the latest advances in integrating and implementing IoT with blockchain and computing on 5G. Contributions are invited on the following topics, including but not limited to:

- Designing 5G-enabled IoT networks with blockchain
- Novel decentralized 5G and/or holistic ICT architectures e.g., DePIN and DeWi
- Blockchain applications in IoT networks
- Adapting SDN and Overlay network to 5G-enabled IoT network
- Decentralization and dApps in 5G-enabled IoT networks
- Computing and blockchain in 5G-enabled IoT
- Interoperability in IoT networks
- Distributed learning and data processing in IoT networks

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-08) 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-next-gen-decentralized-dependable-intelligent-and-connected-iot-challenges-and>

