

7TH INTERNATIONAL CONFERENCE ON SMART AND SUSTAINABLE TECHNOLOGIES

Bol and Split, Croatia (hybrid)
5-8, July 2022

Included in the International Symposium on the Internet of Things Special Session on Distributed Ledger Technology and IoT



Organizer:

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Call for Papers:

Distributed Ledger Technology (DLT), of which blockchain is an instance, is increasingly considered a disruptive technology in various domains. The key contribution of DLTs is to provide an immutable yet accessible record of transactions and data to nodes that do not trust each other with no need for a central authority to manage the network.

Integrating IoT systems with DLT can bring many advantages. For instance, improve efficiency, reduce costs, and mitigate security and privacy threads because of DLTs ability to establish a trusted data sharing environment.

Despite the considerable developments made in applying DLT to IoT in recent years, several challenges remain to be addressed, including the poor scalability, the scarcity of available implementation on embedded devices, and the impact of integration on network performance.

The goal of this Special Section is to present and discuss recent advances in DLT and IoT and to offer to both academic and industry researchers the opportunity to share their work on the design, implementation, and evaluation of DLT-based IoT systems.

The Special Session on Distributed Ledger Technology and IoT is included in the International Symposium on the Internet of Things organized in the frame of the 7th International Conference on Smart and Sustainable Technologies (SpliTech 2022), technically co-sponsored by the IEEE Communication Society (ComSoc), will be held in Bol and Split, Croatia, July 5-8, 2022.

Accepted, and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Authors of selected best papers will be invited to submit an extended version of their manuscripts for publication in a special issue of some international and indexed journals.

We cordially invite authors who wish to present original papers or reviews on the following topics:

- Methods, techniques, and theories for DLT-based IoT systems
- Architectures and platforms for DLT-based IoT systems
- DLT-based IoT security and privacy solutions
- Performance evaluation of DLT-IoT schemes
- Implementations of DLTs in embedded systems
- Lightweight algorithms for DLT applications
- DLTs in peer-to-peer and M2M communications
- Development of DLT-IoT enabled sensor networks
- Smart contracts in the DLT-IoT ecosystem
- Machine Learning approaches for convergence of IoT and DLT
- Applications of DLT to IoT systems
- Case studies and fields trials (e.g., energy, smart home, smart building, smart city, Industry 4.0, automotive, supply chain, transportation, and logistics)

Important Dates

Paper Submission: **March 10, 2022**

Notification of acceptance: **May 1, 2022**

Camera Ready Papers due: **May 20, 2022**

Conference: **July 5-8, 2022**

SUBMIT PAPER HERE

IoT symposium track

Special Session Committee

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