

Call For Papers

The 19th IEEE International Conference on Ubiquitous Intelligence and Computing

Special Session: Ubiquitous Intelligence with Blockchain Technology

Ubiquitous intelligence, as a popular symbolic term, is being mentioned and concerned by more and more people as one of the important routes to the smart world. Advances in ubiquitous intelligence are gradually giving new vitalities to various fields, such as Internet of Things (IoT), industrial manufacturing, healthcare, vehicular networks and so on. Blockchain has been regarded as a security infrastructure, whose distributed trust characteristics are being recognized by industry and academia. Integrating Blockchain technologies into the research and practice of intelligentized fields will create not only new sources of data, but also new thinking, training, schemes and tools.

This special session aims to publish the latest research advancement in Blockchain assisted schemes for the research and practice of intelligent technologies. We welcome papers reporting both novel theoretical ideas and real-world applications of Blockchain assisted intelligent technologies in all aspects of domains.

We encourage the submission of papers with new theory, analysis, methods and applications. This is a special session of the 19th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2022) (<http://www.ieee-smart-world.org/2022/uic/>). Please submit your paper via the submission site (<https://edas.info/N29956>) and select the special session of “Ubiquitous Intelligence with Blockchain Technology” marked with “**UIC-UIBT**”.

The topics of interest include, but are not limited to:

- Data acquisition, data quality assessment and assurance for blockchain-based systems
- Data from blockchain-based systems
- Data cleansing and integration
- Blockchain assisted ownership, ethics, privacy, and security in ubiquitous intelligence
- TPS optimization technologies
- Internal security improvements in blockchain
- Intelligent validation for smart contracts
- Blockchain-based Recommender Systems
- Novel intelligent frameworks and platforms (cloud, edge, fog...) with blockchain
- Real world applications and illustrative case studies of blockchain assisted intelligence

Session Chairs

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Important Dates

Paper Submission Due: Sep 01, 2022

Acceptance Notification Due: Oct 01, 2022

Final Manuscript Due: Oct 31, 2022