

The 1st Workshop on Industrial Blockchain Technology and Applications (IBTA 2023)

December 18, 2023

Ocean Flower Island, Hainan China

In conjunction with IEEE Blockchain-2023

Organizing Chairs:

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Description:

In light of the rapid progress in the field of blockchain technology tailored for industrial applications, the utilization of industrial blockchain technology has become a pivotal foundation for fostering transparent, secure, and intelligent interconnectivity within various industrial sectors. The integration of decentralized systems, smart contracts, and intricate authentication mechanisms play an instrumental role in reshaping how industries operate, transact, and communicate. This workshop is designed to gather pioneers, scholars, and professionals from both academia and the business world to dive into the revolutionary advancements, pioneering applications, and the unique challenges inherent to industrial blockchain technology and its applications.

The 1st Workshop on Industrial Blockchain Technology and Applications (IBTA2023) provides a forum for both academics and practitioners working on blockchain technologies in the industrial context to explore new ideas, share their experiences and leverage each other's perspectives. Besides the latest research achievements, this conference also covers industrial blockchain practices and their broad applications, and gives all participants a chance to identify the new emerging "hot" trends in these areas.

Programme Committee:

Brent Zundel

World Wide Web

Consortium(W3C)

Decentralized Identifier

Working Group

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Scope of Workshop:

The workshop primarily focuses on the evolution and trajectory of industrial blockchain technology. It underscores the significance of integrating and refining blockchain-based operations, transaction authentication, and other decentralized technologies while maintaining robustness and security within various industrial domains. For instance, the implementation of blockchain technology in supply chain management can ensure transparent and tamper-proof product traceability, reinforcing trust among stakeholders.

The workshop aims to address but not limit to the following:

- Evolutionary trends and challenges of industrial blockchain technology
- Security and privacy in industrial blockchain.
- Blockchain solutions for Industrial Internet of Things (IIoT).
- Blockchain applications tailored for specific industrial processes
- Technology and utilization of distributed ledger systems in industry
- Integration of smart contracts within the industrial ecosystem
- Technologies and methodologies for blockchain-based authentication and verification
- The implications of industrial blockchain on data security, integrity, and privacy
- Application of blockchain technology in sectors such as manufacturing, agriculture, and transportation
- Blockchain-based Trustworthy Identity Technology and Applications for Industrial Equipment
- Integrated Development of Industrial Blockchain and Artificial Intelligence
- Synergistic applications of industrial blockchain technology alongside big data, artificial intelligence, and other cutting-edge technologies.

Paper Submission:

Submitted manuscripts must be formatted in standard IEEE US Letter Format and must be submitted via EDAS (<https://edas.info/N31483>) as PDF files. The review version is limited to 6 pages (IEEE proceedings format), including references and illustrations. Submitted papers should not be previously published in or be under consideration for publication in another conference or journal. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will attend the conference to present the paper.

Important dates:

Paper submission: October 30, 2023

Notification of acceptance: November 15, 2023

Camera-ready submission: November 25, 2023

Workshop Date: December 18, 2023