

IEEE COINS 2024

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<https://coinsconf.com>



**Call for
Papers**

Track: Distributed Ledger Technologies and Blockchain

COINS is a premier conference dedicated to the latest research in multi-disciplinary technology developments and innovations. Its focus is on identifying new perspectives, highlighting impending research issues and challenges, and sharing novel research results. The topical area track "Distributed Ledger Technologies (DLT) and Blockchain" covers (but is not limited to) the following topics:

- Recent developments in DLTs and Blockchain research
- DLT and Blockchain theory on IoT
- System design and implementation methods for Blockchain-based IoT systems
- Applications of DLT and Blockchain technology in edge, fog, and cloud computing
- Development of DLT-IoT-enabled sensor networks
- Decentralized DLT-based and Blockchain-based IoT security solutions
- Decentralized security solutions for IoT using Blockchain schemes
- Frameworks and software platforms for security and privacy in IoT
- Threat and attack models for Blockchain and DLT in IoT
- Decentralized keys and identity management, authentication, authorization, and access control
- System design and implementation methods for Blockchain-based IoT systems
- IoT applications based on DLT and Blockchain technology
- Performance evaluation and experimental analysis of Blockchain IoT schemes
- Novel development of smart contracts in the Blockchain-IoT ecosystem
- Provisioning of sensor-enabled Blockchain-IoT architecture
- Deployment of IoT-based sensor-data management
- Integration of machine learning and deep learning algorithms for Blockchain-driven IoT-sensor-enabled solutions
- Convergence of AI, DLT and Blockchain
- AI and machine learning approaches for convergence of IoT and DLT
- Design of novel consensus algorithms, mathematical models, and decentralized frameworks
- Efficient consensus protocols and algorithms for DLTs in IoT devices
- Development of novel cryptocurrencies for IoT applications
- DLTs and Blockchain in embedded and real-time systems
- DLTs and Blockchain in peer-to-peer and M2M communications
- Innovative decentralized cross-domain applications such as healthcare and energy systems, smart homes, smart buildings, smart city applications, supply chains and logistics