Special Session

2nd International Conference On Smart Technologies for Smart Nation (SmartTechCon 2023)

TITLE: Blockchain and IoT Applications, Security Challenges, and Recent Trends

OBJECTIVE: The integration of IoT and blockchain technologies holds immense potential for revolutionizing various industries and transforming the way we interact with the digital world. IoT, with its vast network of interconnected devices and sensors, generates an enormous amount of data. However, ensuring the security, trustworthiness, and privacy of this data is a significant challenge. The objective of this special session is to provide a platform for researchers and practitioners to discuss the latest advancements, address security challenges, and explore recent trends in the integration of blockchain and IoT technologies, fostering knowledge sharing and collaboration in this dynamic field.

TOPICS OF THE SPECIAL SESSION:

We welcome Original and unpublished papers related to, but not limited to, the following topics:

- Blockchain-based architectures, protocols, and frameworks for IoT applications
- Security challenges and solutions in blockchain-enabled IoT systems
- Privacy and data protection in blockchain and IoT ecosystems
- Smart contracts and their applications in IoT environments
- Decentralized identity management for IoT devices
- Scalability and performance optimization techniques for blockchain and IoT systems
- Interoperability and standardization efforts
- Real-world use cases and deployments of blockchain and IoT integration
- Machine learning and AI for enhancing security and trust in blockchain and IoT
- Energy efficiency and sustainability aspects in blockchain-enabled IoT applications
- Ethical considerations, legal implications, and regulatory frameworks
- Emerging trends, recent developments, and future directions

SPECIAL SESSION CHAIRS:

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