

## Special Issue

# Advanced Blockchain Technologies for Next-Generation Sensor Networks: Security, Privacy, and Scalability Solutions

### Message from the Guest Editor

**Background and History** The convergence of blockchain technology and sensor networks represents one of the most promising paradigms in modern distributed computing. As the Internet of Things (IoT) continues to expand exponentially, traditional centralized approaches to sensor data management face unprecedented challenges with regard to security, privacy, scalability, and trust. Blockchain technology offers revolutionary solutions by providing decentralized, tamper-proof, and transparent mechanisms for sensor data collection, verification, and storage. **Aim and Scope** This Special Issue aims to showcase cutting-edge research at the intersection of blockchain technology and sensor networks. We seek contributions that address fundamental challenges, including secure data aggregation, privacy-preserving analytics, lightweight consensus mechanisms for resource-constrained devices, zero-knowledge proof applications, and novel cryptographic protocols specifically designed for sensor network environments.

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

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