Special Issue

IoT in Action: Practical IoT Applications and Advanced Security Solutions

Message from the Guest Editors

This Special Issue explores practical implementations of the IoT and sensor networks alongside cutting-edge security solutions for IoT ecosystems. It examines real-world IoT deployments across various sectors, focusing on sensor networks' design, implementation, and performance in actual environments. On the security front, the issue delves into advanced protective measures for IoT devices and networks, addressing concrete threats and vulnerabilities. It covers practical applications of state-of-the-art cryptographic techniques tailored for resource-constrained IoT devices, real-world implementations of blockchain technology for securing IoT data and transactions and deploying AI-driven cybersecurity systems for threat detection and response in IoT contexts. This issue aims to provide valuable insights for researchers and practitioners developing robust, secure IoT solutions using the latest advancements in cryptography, blockchain, and artificial intelligence by bridging the gap between theoretical concepts and their practical application. For detailed information, please visit here.
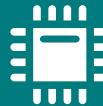
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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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