

Special Issue

Trustworthy and Secure Internet of Things and Cyber-Physical Systems

Message from the Guest Editor

The rapid expansion of the Internet of Things (IoT), networks, and cyber-physical systems (CPS) has introduced significant security and privacy challenges. As these interconnected systems have become integral to industries such as smart cities, healthcare, industrial automation, and transportation, they face increasing risks from cyber threats, unauthorized access, and data breaches. This Special Issue intends to present cutting-edge research and innovative solutions addressing security and privacy challenges tailored to IoT, networks, and CPS. Key topics include, but are not limited to, lightweight cryptographic methods, intrusion detection and prevention systems, blockchain applications, secure communication protocols, and trustworthy AI-driven cybersecurity approaches. It will also examine regulatory and ethical considerations to balance security with system performance and compliance to ensure secure and sustainable deployments. By gathering innovative research, this Special Issue aims to advance security frameworks that safeguard IoT, networked systems, and CPS from evolving cyber threats while maintaining efficiency and performance.

Guest Editor

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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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