

Special Issue

Artificial Intelligence and Sensor Systems: From Attack Detection to Cyber Security

Message from the Guest Editors

This Special Issue aims to explore the intersection of AI, sensors and cybersecurity, showcasing the latest research developments, practical applications, and theoretical advances. By focusing on AI-enabled methods for detecting and mitigating cyber threats, we seek to highlight innovative approaches that strengthen digital resilience across critical infrastructures, cloud computing, IoT, and enterprise systems. The scope aligns with the journal's mission to disseminate cutting-edge multidisciplinary research that addresses pressing technological and societal challenges. We warmly invite researchers, practitioners, and experts from academia and industry to contribute original research articles, comprehensive reviews, and case studies. Research areas may include, but are not limited to, the following:

- AI-driven intrusion detection and prevention systems;
- Machine learning for malware and ransomware detection;
- Deep learning for anomaly and threat detection;
- Adversarial AI and security challenges;
- Cyber threat intelligence and predictive analytics;
- AI in IoT and cloud security;
- Privacy-preserving AI for cybersecurity;
- Case studies and real-world applications of AI in security.

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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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