Special Issue

AI, Machine Learning (ML), and Large Language Models (LLMs) for Cybersecurity in Sensor Networks

Message from the Guest Editor

The increasing sophistication of cyber threats necessitates advanced security solutions driven by Artificial Intelligence (AI), Machine Learning (ML), and Large Language Models (LLMs). This Special Issue explores the latest research in AI-driven cybersecurity, including threat detection, intrusion prevention, anomaly detection, and automated response mechanisms. By leveraging AI and LLMs, researchers and practitioners can develop more adaptive and intelligent security frameworks to combat evolving cyber risks. This Special Issue invites contributions related to AI-enhanced security strategies, deep learning applications, adversarial machine learning, and the ethical considerations surrounding AI in cybersecurity. Topics include real-time phishing detection, malware analysis, network security, and privacy-preserving AI techniques. This Special Issue aims to provide a comprehensive overview of cutting-edge advancements in AI-powered cybersecurity solutions, aligning with the scope of *Sensors*.

For more information, please click: mdpi.com/si/232050

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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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