

Special Issue

AI and Cybersecurity: Emerging Trends and Key Challenges

Message from the Guest Editors

This Special Issue, entitled "**AI and Cybersecurity: Emerging Trends and Key Challenges**", aims to explore the dynamic intersection of artificial intelligence and cybersecurity, highlighting both their transformative potential and the pressing risks associated with their convergence. As AI technologies become increasingly embedded in digital infrastructures, they offer powerful tools for threat detection, risk assessment, and automated response. However, they also introduce novel vulnerabilities and ethical concerns that demand rigorous scrutiny. This Special Issue invites the submission of original research, reviews, and case studies that address key challenges such as adversarial AI, secure machine learning, privacy-preserving algorithms, and the role that AI plays in cyber defense and resilience. Contributions are encouraged from academia, industry, and the government to foster a multidisciplinary dialogue on securing AI systems and leveraging AI for robust cybersecurity. By showcasing cutting-edge developments and critical perspectives, this Special Issue seeks to advance our understanding and guide future innovation at the nexus of AI and cybersecurity.

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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