Special Issue

AI-Enhanced Security: Advancing Threat Detection and Defense

Message from the Guest Editors

The rapid advancement of artificial intelligence (AI) has opened new frontiers in the field of security, offering powerful tools to detect, prevent, and respond to evolving cyber threats. This Special Issue, *AI-Enhanced Security: Advancing Threat Detection and Defense*, will explore the intersection of AI, cybersecurity, and broader computer science applications to foster innovative research and practical solutions in digital defense. We invite original research papers, surveys, and case studies that leverage AI to address pressing challenges in security. While traditional topics such as AI-driven network security, intrusion detection, and anomaly detection remain central, we also welcome contributions that go beyond network-focused applications. This includes, but is not limited to, AI methods for malware analysis, fraud detection, deepfake and fake image recognition, biometric security, data privacy, digital forensics, adversarial machine learning, and secure AI model deployment.

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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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