

Special Issue

Machine Learning and Cybersecurity—Trends and Future Challenges, 2nd Edition

Message from the Guest Editor

This Special Issue of *Electronics* is dedicated to examining the symbiotic relationship between machine learning and cybersecurity, with a specific focus on its application, progress, and challenges. Encompassing a wide array of topics, including anomaly detection, behavior analysis, adversarial machine learning, and transparent model development, the scope is set to provide a comprehensive overview of current trends and future prospects at this dynamic intersection. By delving into the integration of advanced ML algorithms into security systems, it will expand the evolving landscape of cyber threat detection and response. Furthermore, its exploration of adversarial machine learning will shed light on the critical need for the creation of models that can withstand sophisticated attacks. This Special Issue will also address a pressing concern in the field—transparency and interpretability in ML models—which are pivotal for ensuring ethical and regulatory compliance.

Guest Editor

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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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