Special Issue

Machine Learning and Cybersecurity—Trends and Future Challenges

Message from the Guest Editor

In terms of its contribution to the existing literature, this Special Issue stands as a significant supplement. By delving into the integration of advanced ML algorithms into security systems, it expands upon the evolving landscape of cyber threat detection and response. Furthermore, the exploration of adversarial machine learning sheds light on the critical need for creating models that can withstand sophisticated attacks. This Special Issue also addresses a pressing concern in the field: transparency and interpretability in ML models, which are pivotal for ensuring ethical and regulatory compliance. By providing an encompassing overview of these critical facets, this Special Issue enriches the existing body of knowledge and offers a crucial reference for those engaged in research and practice within the domain of machine learning and cybersecurity. Researchers, practitioners, and policymakers alike will find this Special Issue to be a valuable compendium of knowledge in an era where safeguarding digital spaces is of paramount importance.

Guest Editor

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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 guest-edited by leading experts in selected topics of interest.

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