



## Machine Learning and Cybersecurity—Trends and Future Challenges

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Deadline for manuscript  
submissions:

**closed (15 May 2024)**

### 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.





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## Message from the Editor-in-Chief

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