

## Special Issue

# Data Mining and Machine Learning in Cybersecurity, 2nd Edition

### Message from the Guest Editors

This Special Issue aims to showcase the latest advancements in the field of data mining and machine learning in cybersecurity. The information revolution has changed how we communicate all around the world and has drawn unprecedented attention to network security issues. This Special Issue seeks to explore innovative techniques, methodologies, and tools that enhance our ability to detect, analyze, and respond to network security effectively. Authors are invited to contribute original research papers and conceptual articles addressing various aspects of network attack detection and situation awareness analysis for the comprehensive evaluation of various elements in the time and space environments of overall network security. This may include topics such as intrusion detection systems, anomaly detection algorithms, data mining/machine learning-driven approaches, threat intelligence integration, and real-time monitoring solutions.

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### Guest Editors

Prof. Dr. Zhaoquan Gu  
Dr. Xiaoyang Wang  
Prof. Dr. Aiping Li

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### Deadline for manuscript submissions

10 October 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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