



Artificial Intelligence and Network Security: Trends and Challenges

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Message from the Guest Editors

Artificial intelligence (AI) technologies have shown great potential in many fields of network security, particularly in network traffic monitoring and in the detection of the unauthorised access, misuse or denial of networked resources.

This Special Issue is focused on novel research in AI-based algorithms, methods and architectures for the reliable detection of cyber threats (see the full list of topics at mdpi.com/si/155922). More precisely, we encourage original works which have not been published or submitted for publication elsewhere, from both academia and industry, focussing on the challenges and trends related to concept drift, AML attacks and model training with distributed data. This includes methods for explainability and error analysis of AI models that can be used to patch flaws in the training/testing pipeline. Survey papers that offer a perspective on related work and identify key challenges for future research will be considered as well. We look forward to your submissions!





Editor-in-Chief

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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