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Artificial Intelligence and Network Security: Trends and Challenges

Guest Editors:

Dr. Roberto Doriguzzi-CorinBruno Kessler Foundation,
Trento, Italy

Dr. Vera Rimmer imec-DistriNet, KU Leuven, Leuven, Belgium

Deadline for manuscript submissions:

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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 Al-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 Al 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!









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Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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