Special Issue

Intelligent Systems and Information Security

Message from the Guest Editors

Intelligent Systems refer to software systems that exhibit behaviors perceived as intelligent and capable of performing tasks typically requiring human intelligence. These systems leverage artificial intelligence (AI) and Machine Learning (ML) techniques to autonomously make decisions, solve problems, learn from experiences, and adapt to new situations.

Intelligent Systems are increasingly applied in Information Security to enhance the detection, prevention, and response to various cyber threats. Intelligent Systems can analyze vast amounts of data in real-time to identify patterns and anomalies that might indicate security breaches, malware, and other threats. When a security threat is detected, intelligent systems can automatically take actions. Intelligent systems also track and analyze user behavior to detect insider threats or compromised accounts based on deviations from normal activity patterns.

The call is open to a broad thematic range of papers covering recent applications of AI and ML to intrusion detection and prevention, threat intelligence and incident response, OPSEC, secure software development, etc.

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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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