Special Issue

Privacy-Preserving and System Security Control Based on Machine Learning

Message from the Guest Editors

The widespread use of information and communication technologies has revolutionized our lives, offering unprecedented convenience and connectivity. However, this progress has also introduced significant challenges to privacy preservation and system security. Machine learning techniques have emerged as powerful tools capable of addressing the evolving security and privacy challenges. This Special Issue on “Privacy-Preserving and System Security Control Based on Machine Learning” invites original research contributions and review articles to explore the latest advancements and applications of machine learning for privacy preservation and system security. We welcome submissions that cover a broad range of topics, including but not limited to the following:

- Privacy-preserving machine learning algorithms;
- Differential privacy;
- Adversarial machine learning for security control;
- Anomaly detection using machine learning for system security;
- Zero-day attack detection using machine learning;
- Secure federated learning;
- Privacy-enhancing technologies in machine learning.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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