Special Issue

New Advances in Cybersecurity Technology and Cybersecurity Management

Message from the Guest Editor

This Special Issue highlights the role of open-source intelligence (OSINT) in early threat detection and informed decision-making, demonstrating its significance in both offensive and defensive cybersecurity. Another key theme is critical infrastructure protection, offering frameworks to defend essential systems—such as those in energy and transportation—against advanced threats. Contributions also explore the integration of cybersecurity into cyber-physical systems (CPSs), emphasizing the need to secure digitally connected physical processes in sectors like healthcare, manufacturing, and smart grids. Additionally, the intersection of cybersecurity and disaster management is examined, focusing on secure systems that support crisis coordination and resilience. Finally, the Special Issue includes studies on secure communication and cryptographic innovations, presenting new algorithms that ensure data confidentiality and integrity.

Guest Editor

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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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