Special Issue

Application and Research in Network Security Communication Systems

Message from the Guest Editors

Recent years have seen a surge in cyberattacks, targeting various weaknesses (people, software, hardware, etc.). This demands more comprehensive cybersecurity solutions that combine diverse technologies to address these evolving threats. These advanced solutions should encompass all aspects of cybersecurity: prevention, detection, response, and supporting infrastructure. While user awareness training plays a significant role in preventing social engineering attacks, technological solutions can further strengthen a preventative security strategy. Machine learning algorithms and shared cyber threat intelligence are showing results in detecting anomalies and staying informed about attack methods. Additionally, innovative cryptographic approaches like homomorphic and post-quantum cryptography, alongside blockchain technology, are gaining traction in bolstering various advanced cybersecurity services, particularly when dealing with privacy concerns.

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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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