

Special Issue

Cybersecurity and Cryptography in the Internet of Things (IoT)

Message from the Guest Editors

The Internet of Things (IoT) has become a part of our daily lives, and it has changed our ways of working, studying, consuming entertainment, etc. It enables massive connectivity, automation, and self-decision-making processes in different situations. Cybersecurity is considered one of the most essential topics in IoT, as a cyber-attack to a system could lead to severe impact. For example, "hijacking" the connection between an IoT and the other communicated terminals could give the attacker the possibility of stealing data packets and replacing them with compromised ones. That could impact confidentiality, integrity, or the availability of data or system assets, and has undesirable consequences for safety, operation, or privacy. Furthermore, cybersecurity plays an essential role in IoT, defining procedures and strategies to support building safe, secure, and reliable applications. It also protects sensitive data, prevents unauthorized access, and reaches the main security objectives for protecting data, assets, and other sensitive information from malicious activity.

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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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