Special Issue

Cybersecurity: Advances in Security and Privacy Enhancing Technology

Message from the Guest Editor

Cybersecurity is the technology of protecting networks, systems, and data from cyberattacks. These cyberattacks aim to gain unauthorized access to networks, systems, and data and cause damage such as changing, destroying, or stealing sensitive data in the systems. Therefore, cybersecurity should provide various measures, methods, and solutions to protect users and systems from diverse threats and vulnerabilities. To minimize the risks of cybersecurity, we can consider many aspects. For instance, we can follow the security-by-design architecture, in which all products (e.g., software, hardware, and network) and services can be designed and implemented to ensure that the key security properties (i.e., confidentiality, availability, integrity, authentication, and accountability) and privacy issues are maintained properly in all phases of development and maintenance. This Special Issue (SI) aims to identify the security and privacy-enhancing technologies for cybersecurity. We invite submissions in theoretical and experimental studies, as well as comprehensive review and survey papers.

Guest Editor

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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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