Special Issue

Security in Internet of Things (IoT): Challenges, Solutions and Future Directions

Message from the Guest Editor

Over the last decade, the Internet-of-Things (IoT) has made the leap from conceptual to actual, paving the way for a wide range of applications and digital services, such as smart homes and cities, smart grids, wearables, connected healthcare, and environmental monitoring, resulting in unprecedented levels of connectivity across the world. IoT networks comprise a slew of embedded sensor devices with limited processing, storage, and power, resources interlinked by various interconnects that often exhibit considerable unreliability, low data rates, and instability. The limited resources of IoT devices coupled with the constraints imposed by their interconnects have raised numerous security challenges that need to be tackled to pave the way for wider adoption of IoT. In addition, the manufacturers of IoT devices usually overlook security, rendering their released products vulnerable to attacks. These security issues are further complicated by the heterogeneity of IoT networks and devices, thus increasing the difficulty of deploying all-inclusive security solutions.

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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