Security and Privacy in AI-Driven IoT Communication Systems

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Deadline for manuscript submissions:
closed (31 May 2024)

Message from the Guest Editors

The number of connected Internet of Thing (IoT) devices is growing at a fast pace, as are concerns about their security and privacy. The expansion of their domain application to critical environments, where the quality of service and the protection of sensible data must be assured, potentiate the interest in attacks from external entities. However, the natural heterogeneity of these networks, together with low device resources, and dynamic environments, demand stronger, dynamic, and reliable security and privacy mechanisms and protocols in which artificial intelligence (AI) can have an important role.

This Special Issue of *Sensors* will focus on artificial intelligence (AI) techniques and mechanisms to improve security and privacy in IoT networks by identifying early operations of attacks (e.g., scanning), providing higher protection levels to attacks, and dynamically adapting networks and environments for attack mitigation. We invite researchers to contribute original research and review articles that demonstrate new mechanisms, models, protocols and architectures, present theoretical proposals, describe practical deployments, and/or identify new research opportunities.

Special Issue

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Message from the Editor-in-Chief

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