Artificial Intelligence for Security and Privacy in Ad Hoc and Sensor Networks (AI-SPASN)

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Message from the Guest Editors

Dear Colleagues,

The world—both living and inanimate—is becoming more and more interconnected via a complex web of networks and sensors, collecting rapidly growing volumes of increasingly complex multimodal data and serving wider varieties of smart entities—from smartwatches to smart cities.

The immense scope and value of collected data provides motivation for attackers to invest in vastly more capable hardware and software—the latter including AI-based means of attack. The exponential increase in attack capabilities calls for countering them with the smartest software that can be built: AI-based controls.

These AI-based defenses must be deployed to increase the security and privacy of users, networks, applications, and data by eliminating or at least reducing vulnerabilities, recognizing threats, and preventing attacks or at least detecting them at the earliest available opportunity.

This Special Issue concentrates on new methodologies, techniques, and tools for identifying vulnerabilities and threats to the security and privacy of ad hoc and sensor networks and countering attacks on them while using the power of AI.

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Special Issue

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Message from the Editor-in-Chief

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