AI and Security in Cyber Physical System Design

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Deadline for manuscript submissions:
closed (20 March 2023)

Message from the Guest Editors

The current design of cyber-physical systems has to face numerous challenges when integrating the new AI methodologies, keeping security and resiliency at high levels.

Topics of interest include but are not limited to:

- Design methodologies of CPS and IoT;
- Formal analysis and verification of CPS and IoT, safety-critical systems;
- Cybersecurity aspects, including cryptographic algorithms, protocols, e-services, etc.;
- Artificial Intelligence, machine learning, and deep learning techniques applied to CPS and IoT;
- AI-based security solutions for CPS and IoT;
- Impact of AI-based solutions on CPS performance;
- Modeling of attack behavior;
- Attack prediction modeling;
- Industrial digitalization and CPS.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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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