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Trustworthy and Secure Artificial Intelligence Techniques for the Internet of Things

Guest Editors:

Prof. Dr. Shigeng Zhang

School of Information Science and Engineering, Central South University, Changsha, China

Dr. Hejun Wu

Department of Computer Science and Engineering, Sun Yat-Sen University, Guangzhou 510006, China

Deadline for manuscript submissions:

closed (20 November 2023)

Message from the Guest Editors

While providing new dimensions in designing efficient and effective solutions for the Internet of Things, it is necessary to guarantee that the application of AI techniques does not generate new attack surfaces when improving efficiency. This Special Issue solicits submissions from areas relating to trustworthy and secure AI technique applications in the Internet of Things, including how to design solutions based on trustworthy AI techniques, how to defend against potential attacks to IoT applications caused by AI algorithm vulnerabilities, and how to adapt existing AI techniques in IoT applications with the guarantee of security and trustworthiness. The interested topics include but are not limited to:

- Application of trustworthy AI techniques in the IoT
- Analysis of AI vulnerabilities in the IoT
- AI security in edge computing/IoT
- AI-based security in the IoT
- AI-based attacks in the IoT
- AI-driven performance optimization for the IoT
- Security analysis of AI in the IoT

Keywords: trustworthy AI in the IoT; AI security; AI-driven security of the IoT; IoT security; AI application in the IoT



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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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