

Special Issue

Security and Privacy in Internet of Things and Wireless Sensor Networks

Message from the Guest Editors

Dear colleagues, This Special Issue takes a deeper look at security and privacy issues in the Internet of Things (IoT) that are related to machine learning; blockchain; quantum computing; low-power, low-bandwidth protocols such as Bluetooth Low Energy (BLE), ZigBee, and Z-Wave; and machine-to-machine communication protocols such as MQTT and CoAP. Cybersecurity in the IoT faces challenges such as scalability, constraints on IoT devices, lack of standardization, insufficient trust and integrity, hardware/software vulnerabilities and flaws, malware targeting IoT devices, insecure web interfaces, large attack surfaces, privacy issues, and weakest security links. We delve into the real-world implications of cyber-attacks in the IoT and examine the solutions which are related to device identification, access control, intrusion detection, malware analysis, reverse engineering, software exploitation, etc., to secure the IoT. The goal is to provide practical solutions and thought-provoking insights through case studies, surveys, and original research articles, promoting collaboration between stakeholders and addressing the key security and privacy challenges in the IoT.

Guest Editors

Prof. Dr. Yong Wang

The Beacom College of Computer and Cyber Sciences, Dakota State University, Madison, SD 57042, USA

Dr. Bhaskar Rimal

The Beacom College of Computer and Cyber Sciences, Dakota State University, Madison, SD 57042, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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