

Special Issue

Innovative Sensors and Processes for Intrusion and Anomaly Detection in IoT

Message from the Guest Editors

The proliferation of IoT devices and the increasing integration of cyber–physical systems (CPS) across diverse domains—from smart homes and industrial automation to healthcare and critical infrastructure—have created unprecedented vulnerabilities. This Special Issue aims to showcase cutting-edge research on sensors, methodologies, and processes that enhance intrusion and anomaly detection within IoT and CPS ecosystems. We welcome original contributions focusing on:

- IoT security;
- edge AI for threat detection;
- anomaly detection using machine learning;
- privacy-preserving sensing systems;
- behavior-based anomaly detection;
- hybrid threat detection;
- context-aware sensing;
- secure sensor fusion;
- data-driven predictive models for real-time protection.

Guest Editors

Prof. Dr. Vasos Vassiliou

Department of Computer Science, University of Cyprus, Nicosia, Cyprus

Dr. Iacovos I. Ioannou

Department of Computer Science, Philips University, 2001 Nicosia, Cyprus

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

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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