Special Issue

Anomaly Detection and Monitoring for Networks and IoT Systems

Message from the Guest Editors

It is essential to detect anomalous activities to securing networks and Internet of Things (IoT) systems due to ever-increasing connectivity and malicious groups exploiting various vulnerabilities. There are many critical challenges when it comes to realizing effective monitoring and detection in networks and IoT systems, including detection performance, scalability, quantitative modeling, streaming data support, energy efficiency, communication capabilities, etc. It is also necessary to provide a rich set of functions to support the monitoring process; for example, new logging and measurement techniques may need to be defined in the future with the latest development in communications and storage/archival technologies. The purpose of this Special Issue is to highlight the variety of impactful methods and tools designed for fulfilling monitoring and detection functions, as well as to encourage the research community to advance the relevant technologies. We seek contributions with statistical, machine/deep learning, and other data-driven approaches, especially those that demonstrate the significant impact of state-of-the-art algorithms and methodologies.

Guest Editors

Dr. Jinoh Kim

Department of Computer Science and Information Systems, Texas A&M University-Commerce, Commerce, TX 75428, USA

Dr. Alexander Sim

Lawrence Berkeley National Laboratory, 1 Cyclotron Road, MS 50B-3238, Berkeley, CA 94720, USA

Deadline for manuscript submissions

closed (31 March 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/113256

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)