Special Issue

AI Technology for Cybersecurity and IoT Applications

Message from the Guest Editors

Artificial intelligence (AI) technology is emerging in the cybersecurity and Internet of Things (IoT) areas with great promise. The continuous emergence of novel, invisible, and complex cyber-attacks, such as advanced persistent threats (APT), fuels the demands for intelligent discovery and prevention of cybersecurity threats. To deal with the aforementioned complex threats, AI technology for novel cybersecurity includes the construction of a dynamic cyber-attack model, intelligent defense, as well as fine-grained preserved privacy. On the other hand, AI technologies for IoT can be clustered into intelligent environment sensing, edge computing, and communications. AI technology for IoT supports the intelligent management and efficient control of heterogeneous IoT sensors in the process of data collection and edge computing for decentralized big data. In addition, the novel communications in IoT (e. g. Terahertz in 6G) are envisioned to be implemented and deployed through AI-enabled allocation and scheduling technologies. Together with recent advances in AI technology, the applications of AI for both cybersecurity and IoT are still open and require immediate studies.

Guest Editors

Prof. Dr. Jun Wu

Graduate School of Information, Production and Systems, Waseda University, Shinjuku City 1698050, Japan

Dr. Qianqian Pan

Department of Systems Innovation, The University of Tokyo, Tokyo 113-0033, Japan

Deadline for manuscript submissions

closed (25 November 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/181468

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)