

Special Issue

Internet of Things: Recent Advances and Applications

Message from the Guest Editors

This Special Issue aims to collate high-quality and original works regarding the recent advances and applications of Internet of Things technology. Potential topics include (but are not limited to) the following:

- IoT massive data sharing and processing via edge AI;
- IoT sensing and networking via semantic communication;
- IoT energy saving via advanced low-power designs;
- IoT coverage optimization via 5G/6G networking;
- IoT interoperability via large-scale models;
- IoT malware detection via deep learning;
- IoT vulnerability identification;
- IoT data poisoning and defense;
- IoT security and privacy via blockchain technology;
- Underwater IoT applications;
- IoT applications in space;
- Experimental IoT prototyping and testbeds.

Guest Editors

Dr. Gaolei Li

Dr. Xi Lin

Prof. Dr. Jianhua Li

Deadline for manuscript submissions

closed (20 September 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/186379

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

mdpi.com/journal/

[appls](https://appls.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, 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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)