

Special Issue

Real-Time Systems and Industrial Internet of Things

Message from the Guest Editors

The Internet of Things (IoT) connects a massive number of physical objects to the Internet or other communication networks so that these objects can exchange data and so that more information can be used to assist decision making. For industrial applications, the IoT is an important technology to enhance manufacturing and industrial processes. This is the so-called Industrial Internet of Things (IIoT). The IIoT must guarantee the real-time performance of industrial processes. If not, a product failure may occur. The real-time performance of the IIoT is affected by many technologies, such as data processing, communication, production control, and operations research. This Special Issue focuses on state-of-the-art technologies that address the real-time problems of the IIoT. The topic is open, but special focus will be given to real-time data processing based on knowledge graphs, scheduling for deterministic networks, offloading in edge computing, and real-time location tracking and automatic navigation for mobile objects. Please view and submit by the link:

https://www.mdpi.com/journal/applsci/special_issues/industrial_internet

Guest Editors

Prof. Dr. Xi Jin
Dr. Changqing Xia
Dr. Chi Xu

Deadline for manuscript submissions

closed (20 January 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/si/116330](https://www.mdpi.com/si/116330)

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

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





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)