



Smart Sensing, Monitoring, and Control in Industry 4.0

Guest Editors:

Dr. Min Xia

Dr. Xiangcheng Chen

Dr. Haoxiang Lang

Dr. Haidong Shao

Prof. Darren Williams

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editors

In the emerging Industry 4.0, digitalization and intelligence are the two crucial enabling technologies. The digital revolution has radically changed traditional industrial processes, from new digital model-based engineering to smart factories. With the rapid development of next-generation information and communication technologies (ICT), the huge number of data generated in the industrial processes provide great potential in achieving improved decision-making in all the stages, such as design, manufacturing, operation and maintenance, remanufacturing, and recycling. With advanced sensing, data mining, and Artificial Intelligence (AI), especially deep learning, critical patterns and trends can be recognized or predicted, leading to accurate monitoring, control, and optimization of the processes.

This Special Issue aims to cover the state of the art and advancements in smart sensing, monitoring, and control in industrial applications, together with emerging standards and research topics that would push forward the realization of Industry 4.0.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)