



Communications and Protocols Used in Industrial Automation

Guest Editor:

Dr. Carlo Olivieri

Department of Industrial and Information Engineering and Economics (DIIIE), University of L'Aquila, I-67100 L'Aquila, Italy

Deadline for manuscript submissions:

closed (15 November 2023)

Message from the Guest Editor

Dear Colleagues,

The Special Issue aims to collect contributions targeted (but not limited) to the following topics:

- Industrial Internet of Things (IIoT) and Cyber-Physical Systems (CPSs);
- Advances in Wireless Sensor and Actuator Networks (WSANs) for IIoT environments;
- Industrial network protocols and security, industrial automated control systems, real-time industrial networks, automotive networks;
- Interoperability and integration in IIoT and Industry 4.0;
- Modeling and performance evaluation of communication systems and architectures;
- Machine-to-Machine (M2M) communications (OneM2M, OPC, UA, DDS,...)
- Advances concerning the layers of industrial communication protocols (field, control, supervisory and execution);
- Novel network technologies applied for IIoT (TSN, 5G, SDN etc.);
- Distributed systems and low-power wireless routing protocols;
- RFID and emerging smart sensors;
- Data security and Intrusion Detection Systems (IDSs).





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), CAPlus / SciFinder, Inspec, Ei Compendex 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://x.com/electronicsMDPI)