



## 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 guestedited 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 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

## Contact Us

---

Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://x.com/electronicsMDPI)