

Special Issue

Communications and Protocols Used in Industrial Automation

Message from the Guest Editor

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).

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)



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

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).