

Special Issue

Advances in Intelligent and Adaptive Decision Support Systems

Message from the Guest Editors

The aim of the Special Issue is to present significant developments in the field for a wide range of current and future applications. Therefore, we invite researchers working in this area to submit their papers with their latest results to this Special Issue. Topics of interest include (but are not limited to) the following topics:

- Monitoring systems and sensors;
- Industrial Internet of Things, edge computing, and federated learning;
- Databases and knowledge management;
- Advanced machine-to-machine communication;
- AI-based industrial data analysis and decision support systems in industry;
- Advanced classification and prediction of signals and datasets;
- Modelling and simulation;
- Predictive maintenance and digital twins;
- Human-machine collaboration within the Industry 5.0 paradigm;
- Intelligent supply chain management;
- Intelligent optimization of production processes and ERP;
- E-maintenance and mobile technologies;
- Additive manufacturing, 3D printing, and reverse engineering;
- Green production, sustainability, eco-design, and LCA;
- Innovative thinking and intelligent design;
- Intelligent materials.

Guest Editors

Dr. Rojek Izabela
Dr. Dariusz Mikołajewski
Dr. Ewa Dostatni

Deadline for manuscript submissions

closed (31 March 2025)



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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 guestedited 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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).