

Special Issue

Pattern Recognition and Sensor Fusion Solutions in Intelligent Sensor Systems

Message from the Guest Editors

Recent advances in technology have led to the development of various intelligent sensor systems, in which pattern recognition and sensor fusion algorithms play a crucial role in most of the cases. For effective operation of these algorithms, advanced solutions are required in many areas, such as pre-processing, feature extraction, feature selection, classification, state estimation, implementation, etc. Intelligent sensor systems can be based on signals of various sensor types. The aim of this Special Issue is to invite high-quality research papers and up-to-date reviews that address challenging topics of sensory signal-based pattern recognition and sensor fusion. Topics of interest include, but are not limited to, the following:

- Sensor calibration, pre-processing of signals;
- Signal and image analysis, feature extraction, and feature selection methods;
- Sensor fusion methods;
- Implementation of pattern recognition and sensor fusion algorithms on embedded systems;
- Novel applications of sensory signal-based pattern recognition and sensor fusion methods.

Guest Editors

Dr. Peter Sarcevic

Prof. Dr. Sašo Tomažič

Dr. Akos Odry

Dr. Sara Stančin

Dr. Gábor Kertész

Deadline for manuscript submissions

closed (31 December 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/116608

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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

Author Benefits

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)

Rapid Publication:

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).