

Special Issue

Deep and Machine Learning for Image Processing: Medical and Non-medical Applications

Message from the Guest Editors

The new era and recent advances in machine and deep learning approaches have been widely used as indispensable tools in modern artificial intelligence-based image processing systems to perform medical or non-medical tasks. Such systems have proven themselves to be reproducible and have the generalization ability to solve unseen problems and adapt to new conditions. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Image processing;
- Image localization;
- Object detection;
- Object tracking;
- Medical imaging;
- Image segmentation using deep learning;
- Applying deep learning for image registration;
- AI-based diagnostic systems;
- AI-based predictive systems;
- AI-based healthcare.

We look forward to receiving your contributions.

Guest Editors

Dr. Mohamed Shehata

Department of Bioengineering, Speed School of Engineering, University of Louisville, Louisville, KY 40292, USA

Prof. Dr. Mostafa Elhosseini

Computers and Control Systems Engineering, Faculty of Engineering, Mansoura University, 35516 Mansoura, Egypt

Deadline for manuscript submissions

closed (31 January 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/142884

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 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

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 16.8 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).