

Special Issue

Deep Learning and Big Data Applications in Medical Image Analysis

Message from the Guest Editors

This Special Issue, "Deep Learning and Big Data Applications in Medical Image Analysis", focuses on challenges concerning AI applications in medical and clinical settings. Topics of interest include, but are not limited to:

- Computer-aided detection, diagnosis and early disease prediction;
- Medical imaging, multimodality medical imaging and radiomics;
- A structured image reporting system based on artificial intelligence;
- Three-dimensional reconstruction of medical images;
- Wearable medical devices;
- Medical robot;
- Surgical navigation;
- The ethics of medical artificial intelligence;
- The latest technological development of artificial intelligence and its application in medical imaging and medical clinic;
- Medical image registration;
- Image interpretation;
- Medical image information fusion;
- Data analysis and synthesis.

Guest Editors

Prof. Dr. Wei Qian

Dr. Jiangli Lin

Dr. Jianhua Wang

Deadline for manuscript submissions

closed (30 April 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/136439

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).