

Special Issue

Biomedical Image Processing and Classification, 2nd Edition

Message from the Guest Editor

Biomedical image processing is an interdisciplinary field that spans several disciplines, including electrical engineering, computer science, physics, mathematics, physiology, and medicine. Various imaging techniques have been developed, providing many approaches to study the body, including X-rays for computed tomography, magnetic resonance imaging, ultrasound, positron emission tomography, elastography, single-photon emission computed tomography, functional near-infrared spectroscopy, endoscopy, thermography, and photoacoustic imaging. Bioelectric sensors, when used in high-density systems (for example, in electroencephalography or electromyography), can also provide maps that can be studied using image processing methods.

The aim of this Special Issue is to collect high-quality contributions that document a wide range of image processing applications to solve biomedical problems. The topics of interest include (but are not limited to) image enhancement, registration, segmentation, restoration, compression, and movement tracking, with the aim of identifying the tissue properties or pathology of a patient.

Guest Editor

Dr. Luca Mesin

Department of Electronics and Telecommunications, Polytechnic University of Turin, Turin, Italy

Deadline for manuscript submissions

closed (31 October 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/185239

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).