

Special Issue

Digital Signal and Image Processing for Multimedia Technology

Message from the Guest Editors

Determining how to employ deep learning technology has become a primary research topic in numerous fields. These include, for example, image processing, computer vision, the Internet of Things, natural language processing, and multimedia processing. In addition, due to the increasing process power of electronic devices and the expansion of network transmission bandwidth, deep learning models have begun to be embedded in various edge devices for application in several fields, such as automobiles, transportation, education, manufacturing, and many others. We invite authors to submit original research articles and review articles related to the application of deep learning techniques in image processing and edge devices. Topics of interest in this Special Issue include, but are not limited to the following:

- Machine learning and deep learning for image processing and computer vision;
- Deep learning algorithms for clustering and classification
- Deep learning algorithms for segmentation and data annotation
- Embedded multimedia applications for edge computing
- Novel applications in robotic vision and intelligent consumer electronics
- Application architecture of AI-based systems

Guest Editors

Dr. Chi-hung Chuang

Department of Information and Computer Engineering, Chung Yuan Christian University, Taoyuan City 320314, Taiwan

Prof. Dr. Chih-Lung Lin

Graduate Institute of Intelligent Robotics, Hwa Hsia University of Technology, New Taipei City 235, Taiwan

Deadline for manuscript submissions

15 October 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/181009

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 16.8 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).