

Special Issue

Applications of Artificial Intelligence in Computer Vision, 2nd Edition

Message from the Guest Editor

This Special Issue aims to bring together leading researchers and practitioners from academia and industry to discuss the latest advances, findings, and practical applications of AI in the field of computer vision. Scope and Topics The broad and interdisciplinary nature of artificial intelligence (AI) in computer vision makes it an engaging and impactful area for research. This Special Issue invites high-quality, original, and previously unpublished research papers, reviews, and case studies that contribute to this growing field. Topics of interest for submission include, but are not limited to, the following:

- Advanced machine learning and deep learning techniques for image and video analyses;
- Object detection, recognition, and tracking;
- Scene understanding and semantic segmentation;
- Three-dimensional vision and depth estimation;
- Face and gesture recognition;
- AI in medical image analyses;
- Augmented reality (AR) and virtual reality (VR) in computer vision;
- AI-driven surveillance and security systems;
- Real-time computer vision applications;
- Explainable AI in computer vision.

Guest Editor

Prof. Dr. Jenhui Chen

Department of Computer Science and Information Engineering, Chang Gung University, Taoyuan City 33302, 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/217385

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).