Special Issue

Deep Learning in Image Processing and Computer Vision

Message from the Guest Editor

Deep learning has been widely applied in various research fields and played a crucial role in many applications. The successes and achievements of deep learning have been clearly demonstrated by the realisation of handwritten character recognition, image classification and retrieval, object detection and segmentation, action recognition, video analysis, and 3D scene understanding. Over the last decade, the research community has witnessed the rapid growth of deep learning, with many advanced architectures and learning algorithms having been developed and applied to solve complex and real-world problems. This Special Issue aims to promote the field of deep learning with a focus on deep learning-based techniques for image processing and computer vision. Research areas may include (but are not limited to) the following topics:

- Image recognition;
- Object detection;
- Image and object segmentation;
- Action detection and recognition;
- Video analysis;
- 3D vision (scene understanding, point cloud analysis);
- Image and video synthesis;
- Image processing/computer vision-based applications (healthcare, robotics, environmental protection).

Guest Editor

Dr. Duc Thanh Nguyen

School of Info Technology, Deakin University, Geelong, VIC 3220, Australia

Deadline for manuscript submissions

closed (15 May 2025)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/184020

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

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).