Special Issue

New Trends in AI-Assisted Computer Vision

Message from the Guest Editors

In recent years, the field of computer vision has undergone significant advancements, primarily driven by the integration of artificial intelligence (AI) techniques. AI-assisted computer vision represents the confluence of advanced machine learning algorithms, neural networks, and high-resolution imaging technologies, enabling machines to interpret and understand visual data with unprecedented accuracy and depth. These advancements are poised to unlock new possibilities across industries, fostering smarter automation, enhanced user experiences, and safer environments. As research progresses and technology matures, AI-assisted computer vision will undoubtedly open up new possibilities and solutions in previously unimaginable applications. Our Special Issue is now seeking contributions from researchers to share their original papers in this field, including pattern recognition, image processing, feature extraction, object detection, biometrics, semantic segmentation, video analysis, their applications.

Guest Editors

Dr. Huikai Shao

Dr. Dan Zeng

Dr. Shuiwang Li

Deadline for manuscript submissions

15 October 2025

Electronics

Electronics

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).

MDPI