Special Issue

Application of AI in Image/Video Processing

Message from the Guest Editors

Artificial intelligence, and deep learning in particular, has become a key driver of progress in image and video processing. This Special Issue focuses specifically on AI-based image and video processing, with an emphasis on methods that directly improve visual quality. Relevant topics include super-resolution, denoising, deblurring, dehazing, deraining, artifact removal, frame interpolation, and AI-assisted compression. A further area of interest is image and video quality assessment, which plays a crucial role in evaluating and guiding the development of modern processing algorithms, especially in the era of generative and learning-based models. Because image and video processing is highly interdisciplinary, this Special Issue welcomes submissions from diverse fields such as medical imaging, remote sensing, surveillance, autonomous systems, computational photography, multimedia, and extended reality. Contributions may address theoretical developments, innovative algorithms, practical implementations, or new applications.

Guest Editors

Dr. Weixia Zhang

Dr. Wei Sun

Dr. Zhihua Wang

Deadline for manuscript submissions

15 July 2026

MDPI

Electronics

mdpi.com/journal/
electronics

MDPI

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).