Special Issue

Image/Video Processing and Encoding for Contemporary Applications

Message from the Guest Editor

Even though the topics of image/video signal processing and compression have been studied for many years, the research trend is evolving with recent emerging ideas and methods for various new applications and needs. Also, there are increasing numbers of papers to apply machine learning and learning-based approaches to image and video encoding and image communication areas. These image/video processing and encoding with AI techniques show a state-of-the-art performance at diverse applications: autonomous driving, medical imaging, CCTV surveillance, factory inspection, and communication, etc. Topics of interest include, but are not limited to:

- Image/video acquisition, representation, presentation, and display
- Image/video processing, filtering and transforms, analysis and synthesis
- Learning and understanding of image/video data
- Image/video compression, transmission, communication, and networking
- Image/video pre/post-processing, video restoration, and super-resolution, etc.
- Machine learning/deep learning schemes for image/video processing and coding
- Diverse image/video applications such as medical imaging, autonomous driving, etc.

Guest Editor

Prof. Dr. Jitae Shin

School of Electronic and Electrical Engineering, Sungkyunkwan University, Suwon 440-746, Republic of Korea

Deadline for manuscript submissions

closed (31 May 2024)

Electronics

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).