Special Issue

Recent Advances in Object Detection and Image Processing

Message from the Guest Editors

Object detection and image processing are both key research directions in the fields of computer vision and artificial intelligence, which are widely used in pedestrian detection, face recognition, remote sensing detection, and vehicle detection. The aim of this Special Issue is to gather papers presenting recent advances in object detection and image processing, which gives researchers the opportunity to provide new tendencies, as well as the latest achievements and research directions, and to represent their current work on the aforementioned problems. Topics may include, but are not limited to, the following areas:

- Advanced object detection models;
- Advanced image processing models;
- Deep learning and machine learning models for object detection and image processing;
- Object detection and image processing semantic segmentation;
- Online learning for object detection;
- Digital image enhancement;
- Image dehazing;
- Advances in machine vision/computer vision;
- Image classification and recognition;
- Neural computing for image processing;
- Evolutionary algorithms for image processing;
- Combined upstream and downstream multitasking.

Guest Editors

Dr. Mingye Ju

Dr. Shu-Lin Chen

Dr. Tianyu Yang

Deadline for manuscript submissions

closed (15 November 2023)

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

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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).