

Special Issue

Image Processing: From Datasets to Segmentation, Classification and Detection

Message from the Guest Editors

This Special Issue focuses on image processing, which is a fundamental and essential technology that has revolutionized various fields such as visual recognition, medical imaging, etc. This Special Issue delves into the core concepts of image processing, encompassing datasets, segmentation, classification, and detection. Datasets are used to train models and algorithms to recognize patterns and features in images, especially for data-driven training in the era of deep learning. The topics of interest include, but are not limited to, the following:

- Image enhancement, restoration, and denoising;
- Image super resolution;
- Image classification;
- Image retrieval;
- Semantic segmentation and instance segmentation;
- Object detection and recognition;
- Multi-modality information processing;
- Medical image processing;
- Applications of image processing;
- Benchmarking studies and the development of new datasets.

Guest Editors

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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.

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