

Topical Collection

Image and Video Analysis and Understanding

Message from the Collection Editors

The significant recent advancements in research fields such as robotics, autonomous driving, and human-machine interaction have strongly renewed the interest in understanding the physical world through computer vision systems. In addition, the opportunities that arise from new significant technological advances such as deep learning, expert systems, and other intelligent algorithms make it possible to design innovative solutions that can be effectively applied in real case scenarios. The proper development of computer vision techniques can significantly contribute to improving both the effectiveness and efficiency of image and video understanding. The main aim of this Special Issue is to collect high-quality submissions that focus on image and video understanding and analysis, addressing the new challenges and the major breakthroughs in this field. General topics covered in this Special Issue include, but are not limited to: 3D reconstruction from images and videos; Motion analysis; Action recognition; Object detection and tracking; Image and video enhancement; Compressive sensing; Face recognition; Video and image parsing; Computer vision applications.

Collection 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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

