

Special Issue

Machine Vision for Robotics and Autonomous Systems

Message from the Guest Editors

We are delighted to invite you to contribute to the Special Issue named "Machine Vision for Robotics and Autonomous Systems" for this journal. This Special Issue aims to provide a platform for showcasing the latest advancements, innovative solutions, and emerging trends in the field of machine vision and its application in robotics and autonomous systems. Potential topics of interest include, but are not limited to, the following:

- Robot vision navigation;
- Vision technology in autonomous systems;
- Object detection, recognition, and tracking;
- Image and video semantic segmentation;
- Human behavior recognition;
- Image style conversion;
- Event vision and its applications;
- Image restoration and enhancement;
- Generative technologies in the field of vision and multimedia;
- Application of machine vision in various fields.

Guest Editors

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Dr. Xiaodong Bai

Prof. Dr. Lingyun Xiang

Deadline for manuscript submissions

15 August 2025



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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.

Editor-in-Chief

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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).