Special Issue

Robust and Safe Visual Intelligence Methods and Their Applications

Message from the Guest Editor

This Special Issue will focus on novel approaches, methodologies, and applications that enhance the reliability, safety, and robustness of visual intelligence systems. We welcome original research papers, comprehensive reviews, and case studies that address the challenges and opportunities in this rapidly evolving field. We encourage submissions on a wide range of topics related to robust and safe visual intelligence, including, but not limited to:

- Adversarial attack detection and defense mechanisms in visual systems;
- Uncertainty quantification in deep learning-based visual models;
- Explainable AI for visual intelligence applications;
- Robust object detection and tracking in challenging environments;
- Privacy-preserving visual intelligence methods;
- Safety-critical applications of visual intelligence;
- Fault-tolerant computer vision systems;
- Robust visual SLAM;
- Ethical considerations in deploying visual AI systems;
- Cross-domain adaptation for robust visual intelligence;
- Novel datasets and benchmarks for evaluating robustness and safety;
- Edge AI for safe and efficient visual processing.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 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 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 16.8 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).

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