

Special Issue

AI-Driven Computer Vision: Foundation Models, Multimodal Fusion, and Real-World Applications

Message from the Guest Editor

The Special Issue focuses on recent advances in AI-driven computer vision, highlighting the impact of foundation models and multimodal approaches on perception, reasoning, and action in real-world systems. It aims to bring together researchers and practitioners to share novel methods, applications, and insights into the development and deployment of intelligent vision systems. Topics of interest include foundation models such as;

- Vision transformers, large-scale pre-trained and self-supervised models
- Cross-domain, few-shot learning, and issues of scalability, robustness, and generalization
- Multimodal fusion, including the integration and alignment of visual data with text, audio, LiDAR, radar, and other sensors
- Real-world applications such as autonomous driving, surveillance, healthcare imaging, industrial inspection, agriculture, and human-computer interaction
- System design challenges including efficient deployment, real-time processing, and ethical, explainable, and trustworthy AI.

Guest Editor

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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.

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