

Special Issue

Computer Vision and AI Algorithms for Diverse Scenarios

Message from the Guest Editors

We invite contributions that explore novel approaches, methodologies, and applications in areas including but not limited to the following:

- Advanced AI algorithms for object detection and recognition—techniques and models for analyzing and interpreting visual data across different environments;
- AI-Driven Image and Video Analysis—advances in algorithms for object detection, image segmentation, and action recognition using AI techniques;
- Adaptive AI Models for Varied Contexts—development of robust computer vision systems for real-time processing and analysis;
- Benchmark Datasets and Evaluation Metrics—benchmarking and evaluation of AI-driven computer vision models on diverse datasets;
- Cross-Domain Applications of Computer Vision—exploration of computer vision applications across different domains, including autonomous systems, security surveillance, healthcare, transportation, agriculture, and environmental monitoring;
- Integration of Multimodal Data—approaches that combine visual data with other modalities, such as textual or sensor data, to enhance understanding and analysis in diverse scenarios.

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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.

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