

Special Issue

Object Detection in Autonomous Driving

Message from the Guest Editors

The rapid development of autonomous driving technology represents a transformative shift in modern transportation. Object detection, a critical component of autonomous systems, involves the identification and localization of various objects in the vehicle's environment. This task is essential for enabling autonomous vehicles to navigate complex and dynamic environments, make real-time decisions, and ensure passenger and pedestrian safety. This Special Issue will explore long tail problems and cutting-edge techniques and address the challenges that impede the development and deployment of effective object detection systems with the aim to foster interdisciplinary collaboration and innovation. Research areas may include (but are not limited to) the following:

- Advanced Object Detection Algorithms;
- Sensor Fusion and Integration;
- Solution to the Long Tail Problem;
- Real-Time Processing and Optimization;
- Benchmarking, Evaluation, and Datasets;
- Ethical Considerations and Safety.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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