

Special Issue

Deep Perception in Autonomous Driving, 2nd Edition

Message from the Guest Editors

This Special Issue "Deep Perception in Autonomous Driving, 2nd Edition" will feature original research papers related to the models and algorithms employed in perception tasks for autonomous driving. The scope of this Special Issue includes, but is not limited to, the following topics:

- Visual, LiDAR and radar perception
- 2D/3D object detection, 2D/3D object tracking
- Domain adaption for classification/detection/segmentation
- Scene parsing, semantic segmentation, instance segmentation and panoptic segmentation.
- Human-centric visual understanding, human-human/object interaction understanding
- Human activity understanding, human intention modeling
- Person re-identification, pose estimation and part parsing
- Vehicle detection, pedestrian detection and road detection
- New benchmark datasets and survey papers related to the topics

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (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 guestedited by leading experts in selected topics of interest.

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