

Special Issue

Autonomous Vehicle Perception: The Technology of Today and Tomorrow

Message from the Guest Editors

This Special Issue aims to bring industry and academia together to exchange ideas, experiences, and research results on perception systems for ADAS/AD applications as well as related testing, verification, validation, and certification methodologies. The topics of interest include but are not limited to:

- novel perception system solutions for automated vehicles
- testing, verification, and validation of perception systems
- sensor models and simulation
- sensors and sensor fusion methodologies for autonomous driving
- datasets for development and verification of perception systems
- benchmarks and comparisons of perception system solutions
- use of perception for traffic prediction and control
- intention monitoring of vulnerable road users
- dependable machine learning and AI for automated driving
- standardization and certification of perception systems

Guest Editors

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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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