Autonomous Vehicle Perception: The Technology of Today and Tomorrow

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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

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Special Issue

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Message from the Editor-in-Chief

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