



## Signal Processing and Machine Learning for Autonomous Vehicles

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Deadline for manuscript  
submissions:

**closed (1 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

The special issue welcomes open-call submissions on the state-of-the-art current and emerging technologies and methodologies in multi-modal learning, multi-sensor utilization, and the interplay between signal-processing- and learning-based approaches.

Prospective authors are welcome to submit original research (not published or currently under consideration by any other journal or conference) and technical papers in the field. Topics in autonomous driving covered include:

- X sensor (camera, LiDAR, radar, etc.)-based perception;
- Multi-modal fusion and data fusion for autonomous driving;
- Probabilistic modeling with multi-modal sensory input;
- High-fidelity simulation for different sensory data;
- Robustness to out-of-distribution scenarios;
- Benchmarks and datasets with different sensory data;
- Interpretability of multi-modal autodriving models;
- Reinforcement-learning-based autodriving systems;
- Enhanced path planning with sensory data processing;
- Human factors and safety in autodriving.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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