

Special Issue

Signal Processing and Machine Learning for Autonomous Vehicles

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2023)



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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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