

## Special Issue

# Artificial Intelligence and Smart Sensors for Autonomous Driving

### Message from the Guest Editors

Artificial-intelligence-based sensor systems are not only limited to a single-agent approach. They also cover multi-agent approaches, where their sensorial capabilities are extended, sharing onboard and offboard footage helping road users to cooperate and solve conflicts with other road users. Different artificial intelligence techniques are applied for perception, learning, reasoning, problem-solving, and communication (language) with others in the field of autonomous driving. This Special Issue aims to identify both the current state of these issues using artificial-intelligence-based sensor systems in the field of autonomous driving, and what the future will bring in terms of research work addressing the challenges and potential of self-driving. There will be a special focus on open datasets that can support the transferability and benchmarking of different approaches.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 August 2024)



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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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