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Artificial Intelligence and Smart Sensors for Autonomous Driving

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Message from the Guest Editors

Dear Colleagues,

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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Special Issue



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Message from the Editor-in-Chief

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