Sensors and Artificial Intelligence in Autonomous Vehicles

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editor

The Special Issue "*Sensors and Artificial Intelligence in Autonomous Vehicles*" welcomes open call submissions in the state-of-the-art current and emerging technologies and methodologies in utilisation of single or multi-sensors for vehicle automation and AVs.

Prospective authors are welcome to submit original research (not published or currently under consideration by any other publication or conference) and technical papers in the field. Using sensor(s) technologies, the expected topics include but are not limited to the following:

- Vision, Radar, and LiDAR based perception
- Night vision in challenging lighting conditions
- Multi-modal and multi-sensor data fusion
- Autonomous driving, driverless cars, and robotaxis
- Sensors in resuming the control between human driver and automated driving mode
- Scene understanding and object detection
- Driver behavior monitoring/modelling
- Pedestrian and road users monitoring/modelling
- Advanced driver assistance systems (ADAS)
- Sensor applications in connected and automated vehicles (CAVs)
- AI and machine learning in AVs
- Human factors and safety in self-driving cars

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Special Issue

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Message from the Editor-in-Chief

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