



## Deep Learning Based Sensing Technologies for Autonomous Vehicles

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### **Message from the Guest Editors**

This Special Issue is focused on such sensing technologies for autonomous vehicles and robots with an emphasis on deep learning based sensing algorithms. The topics of interest include, but not limited to:

- Deep learning based perception algorithms for autonomous vehicles and robots
- Deep learning based sensor fusion for multimodal sensors
- Sensing algorithms for intention learning, situation awareness, and risk assessment
- Emerging sensor technologies for autonomous vehicles and robots
- Bayesian algorithms and Gaussian process regression for sensor fusion
- V2V/V2X technologies for inter-vehicle sensor fusion
- Deep learning based end-to-end control for autonomous vehicles and robots

### **Keywords**

Deadline for manuscript  
submissions:

**closed (15 February 2019)**

- Deep Learning
- Machine perception
- Sensor fusion
- Robotics
- Autonomous vehicles





# sensors



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