Intelligent Sensors and Control for Vehicle Automation

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Message from the Guest Editors

This Special Issue, entitled "Intelligent Sensors and Control for Vehicle Automation", invites contributions that explore innovative sensor technologies and control strategies that advance the state of the art in vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications.

Topics of interest include, but are not limited to, the following:

1. Advanced Sensor Technologies in Vehicle Automation: Studies on the latest developments in sensor design and functionality that enhance automated vehicle performance.
2. Control Strategies for Autonomous Vehicles: Research focusing on innovative control mechanisms that ensure safety and reliability in the face of sensor and communication failures.
3. Impact of Sensor and Communication Failures: Analysis of how failures affect vehicle behavior and traffic systems, with strategies for mitigation.
4. Integration of V2V and V2I Communications: Exploration of how vehicle communication systems can enhance sensor data accuracy and vehicle coordination.
5. Data-Driven Approaches in Vehicle Automation: Utilization of big data and AI to improve sensor capabilities and decision-making processes in autonomous vehicles.

Special Issue

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Message from the Editor-in-Chief

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