Special Issue

Autonomous Vehicles: Challenges, Opportunities and Future Implications

Message from the Guest Editors

Autonomous vehicles use sensors to perceive their environments and take appropriate actions based on these perceptions. Sensors form the core of autonomous vehicles. The types of sensors used in autonomous vehicles are large and vary across different applications of autonomous vehicles and types of autonomous vehicles. This Special Issue is dedicated to recent advances and future implications in autonomous vehicles sensors technology, like autonomous navigation, communications, multi-sensor data fusion, big data processing for autonomous vehicle navigation, sensors related to science/research, algorithms/technical development, analysis tools, sensors energy efficiency, artificial intelligence and deep learning methods for autonomous vehicle navigation, and synergy with sensors in navigation. Your contributions can address current and emerging research and development issues, approaches, techniques, or applications; community, state, and/or international initiatives; and other topics related to autonomous vehicles sensors.Keywords: Autonomous navigation, communications, multi-sensor data fusion, big data processing, energy efficiency, artificial intelligence, deep learning

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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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