Sensor Fusion for Vehicles Navigation and Robotic Systems

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Message from the Guest Editors

Dear Colleagues,

For self-driving cars and any autonomous, intelligent robot system, reliable pose information and reliable perception of the environment is of utter importance. Without them, a self-driving car could not start its journey and the mobile robot system could not commence any intelligent mission. To calculate robust localisation data, the robot needs to integrate several different sensor sources into its localisation pose to cope with sensor noise and come up with a consistent pose estimate. To detect obstacles in all weather conditions, a self-driving car uses various sensor systems, such as cameras, LiDAR and radar, but none of them is perfect on its own. Therefore, only fusing the sensor data will ensure a robust perception of the situation and the environment. For more information, please visti: mdpi.com/si/64185

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Special Issue

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Message from the Editor-in-Chief

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