

Special Issue

Vehicle State Estimation and Localization for Autonomous and Connected Vehicles

Message from the Guest Editors

In recent years, several companies and research groups have invested in the topic of autonomous and connected vehicles to improve the safety, efficiency, and comfort of road users. To operate the autonomous and connected vehicles, a vehicle state estimator is necessary to estimate its own state (such as motion, orientation, behavior, and trajectory), as well as other vehicles. Localization can be part of the state estimator which estimates the vehicle pose (position and orientation). The estimator obtains the vehicle state estimates using information from onboard sensors (LiDAR, radar, camera, GPS, IMU, etc.) and communications (in-vehicle networks, wireless networks, etc.) through various theoretical approaches (Bayesian filtering, optimization, machine learning, etc.). This special issue focuses on vehicle state estimation and localization for the connected and autonomous vehicles. We welcome original research contributions and state-of-the-art reviews, from academia and industry. For more information, please click: mdpi.com/si/36581

Guest Editors

Prof. Dr. Kichun Jo

Department of Smart Vehicle Engineering, Konkuk University, 120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea

Prof. Dr. Myoung-ho Sunwoo

Department of Automotive Engineering, Hanyang University, Seoul 04763, Republic of Korea

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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