sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.5

Indexed in: PubMed

CITESCORE 8.2

Vehicle State Estimation and Localization for Autonomous and Connected Vehicles

Guest Editors:

Prof. Dr. Kichun Jo
Department of Smart Vehicle Engineering, Konkuk University, 120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea

Prof. Dr. Myoungho Sunwoo
Department of Automotive Engineering, Hanyang University, Seoul 04763, Republic of Korea

Deadline for manuscript submissions:
closed (19 August 2022)

Message from the Guest Editors

Dear Colleagues,

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 clink: mdpi.com/si/36581

Prof. Dr. Kichun Jo

Prof. Dr. Myoungho Sunwoo

Guest Editors

sensors

IMPACT FACTOR 3.5 | Indexed in: PubMed | CITESCORE 8.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
𝕏@Sensors_MDPI