Special Issue

Mapping and Localization for Intelligent Vehicles in Urban Canyons

Message from the Guest Editor

The aim of this Special Issue is to delve into the innovative methodologies, technologies, and research advancements that address these challenges for intelligent vehicles.   Contributors to this Special Issue are encouraged to present their latest work on high-precision GNSS, high-definition map, advanced sensor fusion, LiDAR and computer vision techniques, machine learning models for environmental perception, and V2X communication systems that contribute to the reliability and accuracy of vehicle localization in challenging urban settings.   The ultimate goal is to advance intelligent vehicle navigation technologies and foster the development of smart cities where such vehicles can operate seamlessly and safely in urban canyons.

Keywords

- GNSS positioning
- High-definition map
- Urban canyons

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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