



Mapping and Localization for Intelligent Vehicles in Urban Canyons

Guest Editor:

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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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Message from the Editor-in-Chief

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