



*sensors*

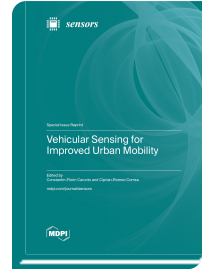


*Special Issue Reprint*

## **Vehicular Sensing for Improved Urban Mobility**

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The Special Issue "Vehicular Sensing for Improved Urban Mobility" focuses on the evolving role of connected and autonomous vehicles (CAVs) and intelligent transportation systems (ITS) in enhancing urban mobility. With recent advancements in vehicular sensing technologies, such as cameras, radars, and LIDAR, vehicles can now gather detailed environmental data and share it through vehicle-to-everything (V2X) communication. This technology, supported by 5G networks, allows for better cooperative awareness and collective perception, leading to improved traffic safety and efficiency in urban settings.

Key topics explored in this issue include the use of smart infrastructure embedded with AI and sensors, the development of vehicle ad hoc networks (VANETs), and the integration of CAVs to create a more seamless, efficient urban mobility system. The studies highlight the benefits of vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications in mitigating road hazards and enhancing traffic management.

This Issue gathers innovative research on vehicular sensing applications and urban mobility improvements, making it a crucial contribution to the ongoing development of smart cities and future transportation networks.



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