



Shared Mobility for Transport and its Environmental Impact

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Shared mobility, which includes ride-hailing, ride-splitting, carsharing, carpooling, dollar vans, jitneys, microtransit, and paratransit, is broadly defined as transportation resources and services that are shared among users. During the past decade, shared mobility has grown tremendously with renewed interest in mitigating environmental, energy, and economic concerns in cities. Moreover, there is an increasing demand for shared autonomous vehicles, which may result in further large-scale urban reform.

While shared mobility is changing individuals' travel behaviour, its overall benefits are still the subject of debate. On the positive side, it promotes sustainable transportation and improves air quality by reducing congestion and greenhouse gas emissions. On the other hand, many critics say that ride-hailing adds more traffic on roads and undermines the benefits of the public transportation system. Therefore, there is an urgent need to better understand how shared mobility impacts road traffic, public transportation systems, and air quality, and to identify effective policy tools to manage the demand of shared mobility and prepare solutions for future challenges.

This Special Issue aims to deepen our understanding of the effect of shared mobility on the urban environment and address emerging issues in this evolving field. The Special Issue calls for novel contributions and cutting-edge research using technology and applications to cope with shared mobility issues and challenges and will accept both original research and review articles.

Potential topics include but are not limited to the following:

- ▶ Characterising shared vehicle emissions and their environmental impact
- ▶ Modelling the relationship between shared vehicle emissions and the environment
- ▶ Monitoring methods of vehicle emissions
- ▶ Studying and modelling energy savings, environmental impacts, and economic benefits from shared mobility
- ▶ Optimising the efficiency of shared mobility systems
- ▶ Understanding the interaction between shared mobility and alternative transportation modes
- ▶ Studying the impact of future shared vehicle emissions

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.hindawi.com/submit?specialIssue=982159>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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