

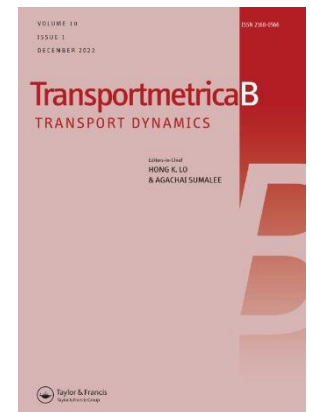
Transportmetrica B: Transport Dynamic, Special Issue

Sustainable and Smart Urban Mobility

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The increasing demand for urban mobility has necessitated the use of various transport modes. Simply expanding road and railway infrastructure no longer suffices as a viable and sustainable solution to meet this demand. In such a context, developing innovative and environmentally friendly transport systems and services emerges as a promising alternative to catering to growing mobility demand while promoting sustainable urban development. This is accelerated by the rapid development in technology (e.g., autonomous vehicles, information and communication technologies) and the creation of new business models (e.g., shared mobility, mobility as a service, co-mobility). Both bring additional complexity and new dynamics to urban mobility, underpinning the growing number of research to explore advanced methodologies (e.g., artificial intelligence, machine learning). Nevertheless, substantial efforts are still required to harness state-of-the-art technology, exploit intelligent methodologies, advance analytical models, experiment with novel applications, etc., to achieve efficient, flexible, resilient, and cost-effective urban mobility.

The purpose of this Special Issue of Transportmetrica B: Transport Dynamics is to publish high-quality and relevant research in all dynamic aspects of sustainable and smart urban mobility. We invite submissions that introduce new problems and concepts, develop innovative and rigorous methodologies, and provide novel insights into this emerging field of study. Papers may cover a range of topics including, but not limited to, the following:

- Emerging instruments for mobility demand management
- Multimodal urban transport network capacity and resilience
- Artificial intelligence/Machine learning methods for urban mobility
- Environmental impact modelling and mitigating
- Autonomous vehicles and unmanned aerial vehicle
- Real-time operation of the multimodal transport system
- Advances in multimodal assignment models
- Complementarity and competition of multimodal transport
- Practices and policies for sustainable systems
- Shared mobility on public transit
- Taxi, paratransit, and public transit planning and operations
- Mobility-as-a-service

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Paper review and 2nd revision: **28 February, 2025**

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