

Special Issue *Transportation Research Part B: Methodological*

– Innovative Shared Transportation

Recent technological developments – mobile computing, autonomous driving, alternative fuel vehicles, block chain, to name a few – have enabled numerous innovations in mobility, transportation, and logistics services. They offer unprecedented opportunities to transform conventional transportation systems, for both personal travel and freight logistics, with novel solutions. Of these solutions, those built on the emerging concept of shared economy, such as Uber, Didi and Cargostream, have received much attention recently. The rapidly expanding scope of shared transportation services now include ride sourcing, ride sharing, car sharing, hitch service, flexible paratransit, shared last-mile service, shared freight delivery, shared logistics, bike sharing, and parking space sharing, and so on.

How to design and operate innovative shared transportation is vital—and challenging—for all stakeholders: passengers/users, drivers/service providers, platforms, and policy makers. In this Special Issue, we invite contributions to address the research problems related to the design and planning, operation and optimization of the shared transportation, as well as competition, synergies and interactions with conventional transportation systems. The submission of contributions providing rigorous model development, economic/policy analysis and decision-making tools based on either optimization and/or data-driven approach is especially encouraged. Topics of interest include, but are *not* limited to, the following aspects of innovative shared transportation:

- Service/network planning
- Pricing and revenue management
- Service provider incentive design
- Matching and resource allocation
- Routing and scheduling
- System modelling and performance evaluation
- Competition, alliances and sustainability
- Synergies and interactions with other services/systems

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The estimated times for the various steps of this special issue are as follows:

Submission start of full paper online: 10 August 2018

Dead Line for submission: 1 November 2018

Feedback from first-round reviews: 1 March 2019

Revised manuscripts due: 1 June 2019

Final manuscripts due: 1 August 2019

Planned publication: 1 October 2019

All submissions should be submitted via the Transportation Research Part B online submission system: <https://www.evise.com/evise/jrnl/TRB>. When you submit your paper to the special issue, please choose article type “**SI: Shared Transportation**”. Otherwise your submission will be handled as a regular manuscript. All submissions will be subject to the journal’s standard peer review process. Criteria for acceptance include originality, contribution, and scientific merit. For author guidelines, please visit the Journal home page to learn more: <https://www.elsevier.com/journals/transportation-research-part-b-methodological/0191-2615/guide-for-authors>.