

Journal of Transportation

Special Issue Call for Papers

Transportation System Analysis for Better Policy-Making

Scope:

The rise of shared mobility, manifested by services such as car-sharing, ridesourcing, bike-sharing and crowdsourcing delivery, is fundamentally changing the landscape of travel and transport. As the vehicle automation and connectivity technology matures, these shared mobility services could eventually evolve into a powerful alternative to the current model of car ownership. Moreover, the collective ownership, being more rational and having a greater bargaining power for infrastructure improvement, may favor electricity as the primary fuel due to much lower operating and environmental costs. These three trends, namely *sharing*, *automation* and *electrification*, have occupied much of the ongoing research efforts in the field of transportation in recent years. As researchers begin to engineer the next generation of analytical tools tailored to these emerging conditions, a daunting challenge is how to apply these tools to properly inform public policies pertinent to design, operations and management of the future transportation systems. Because policies typically aim to achieve certain societal goals by influencing human behaviors, policy making processes must anticipate complex policy-human interaction and take their effects into account. It is this particular challenge that the present Special Issue of Transportation is focused on. Specifically, submissions that broadly fit the following profile are most welcome:

1. Addressing a system application related to one (or more) of the following themes as explained above: *sharing*, *automation* and *electrification*;
2. Employing a quantitative system analysis tool. Network models is probably the most obvious example, although other system analysis tools may be accepted as the editors see fit; and
3. Considering policy-behavior interactions in the tool and/or exploring policy implications in the analysis.

Important dates:

- Special issue article type becomes available in EES: October 1, 2017
- Submission deadline – December 1st, 2017
- Author notification of first round of reviews – March 1st, 2018
- Author notification of second round of reviews (if needed) – September 1st, 2018
- Special issue completed –January 31, 2019

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