

Transportmetrica A: Transport Science

Call for papers

Special Issue on

Measuring, Analysing and Evaluating Transport Network Reliability

Guest Editors:

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Focus:

Transport networks are exposed to various sources of uncertainty in the real world. The main sources of uncertainty include demand and supply variation. The variation in demand may be caused by the day-to-day fluctuation of the travel demand (which can be recurrent or a special case) or by the variation in the trip makers' behaviour. On the other hand, the supply variation may be a temporary or permanent, short or long term degradation of link performance caused by different external factors (e.g. natural disaster or variation in on-street parking over the time period). With all these uncertain environments, the trip makers and network planner faces uncertainty in the network performance or level of service. In order to cope with these problems, one needs to understand several aspects of the effect of uncertainties related to the network operation, short and long term planning, evaluation of network reliability, or trip makers' behaviour under certain condition. Given the wide range of research issues that arise and the level of practical significance of this issue in the future, this special issue aims to gather significant papers reporting on the state-of-the-art in research dealing with measuring, analysing and evaluating reliability for passengers as well as freight transport network system. Of particular interest are papers in the following topic areas (but not limited to these topics):

- Reliable, robust or resilient transport network design
- The valuation of transport network reliability
- Data collection methodology for reliability analysis
- Risk evaluation and management for transportation networks
- Traffic management to improve network reliability
- Disaster relief distribution and recovery strategies after emergency conditions

Important dates:

30 Sep 2015 Full-paper submission deadline

We plan to publish the special issue around pring/summer 2016.

If you intend to submit a paper or have any questions, please contact:

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