

Call for Papers

Annals of Operations Research **Special Issue: Data-Driven Operations Research in Transportation and Logistics**



Big Data brings about a mix of opportunities for and challenges to the development of intelligent transportation and logistics industries. Incorporating the tremendous trove of data and data analytics into operations research greatly increases capabilities to solve real-world complex problems. Data-driven operations research is widely considered to be a new and promising tool to enable better decisions and a driver of operation management in transportation and logistics.

This special issue calls for papers that present the methodologies of data-driven operations research in transportation and logistics, report on the linkages between methodology and practice of optimization, and elaborate on state-of-the-art case studies in selected areas of application. We hope this special issue will be a platform for researchers coming from academia and industry.

Topics of interest include, but are not limited to:

- Intelligent transportation with big data
- Data-driven logistics optimization
- Urban transportation and travel optimization
- Operations management on shared transport
- Supply chain network design and optimization
- Intelligent warehouse management
- Data-driven robust optimization in logistics and transportation
- Soft computing, forecasting, and uncertain optimization methods for big data
- Cloud based logistics and transportation
- Applications to the fields of transportation networks, logistics and supply chains, risk management, robust design, multi or omnichannel business, network reliability, decision support and related areas

In particular, we invite speakers at the *International Conference on Intelligent Transportation and Logistics with Big Data*, held during July 26 - 29, 2019, to submit full, extended versions of their presented papers. However, other relevant papers are also welcome. Contributions arising from papers given at a conference should be substantially extended, and should cite the conference paper where appropriate.

Instructions for authors can be found at:

<http://www.springer.com/business/operations+research/journal/10479>

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. The papers should be submitted by **January 31, 2020**, via the journal website at

<http://www.editorialmanager.com/anor/default.aspx>

Be sure to leave a comment that your work is intended for the special issue and to select the article type **S.I.: Data-Driven OR in Transportation and Logistics**. Submitted papers will be subject to a strict review process managed by the Guest Editors and accepted papers will be published online individually, before print publication.

Guest Editors

Professor Guoqing Zhang (Contact Guest editor)

Supply Chain Management and Logistics Optimization Research Center, University of Windsor, Ontario, Canada. [Email: gzhang@uwindsor.ca](mailto:gzhang@uwindsor.ca)

Professor Xiang Li

The School of Business, Beijing University of Chemical Technology, China

[Email: lixiang@mail.buct.edu.cn](mailto:lixiang@mail.buct.edu.cn)

Professor Tatsushi Nishi

Department of Systems Innovation, Graduate School of Engineering Science, Osaka University, Japan. E-mail: nishi@sys.es.osaka-u.ac.jp