Naval Research Logistics: Special Issue on
Data Analytics under Emerging Supply Chain and Logistics Innovations

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Recent technological advances have led to an explosive growth in data and computation power. This challenges organizations to create new value through transform traditional operations. For instance, it is now possible and imperative to make use of data for individual- (user or product) level transactions in supply chain planning and operations. The digitization movement in supply chain and logistics calls for innovative approaches to derive actionable insights from data through both predictive and prescriptive analytics. This Special Issue seeks to publish papers that report timely research along this development, particularly involving (i) innovative use of data and/or analytics methodologies to address practical problems in both traditional and innovative operations problems; and/or (ii) analytical or empirical analysis of innovative modes of novel, analytics-driven operations supply chain and logistics.

Some possible topics include, but are not limited to, the following:
- Analysis of urban distribution problems, particularly related to online/omnichannel retail;
- Product recommendation, pricing and inventory control with individual-level consumer data;
- Design and operations of automated distribution & manufacturing systems;
- Use of contemporary analytics techniques, including machine learning concepts, in addressing supply chain problems (e.g., inventory control);
- Interface between supply chain, logistics with the sharing economy;
- Potential impact of blockchain technology in supply chain networks;
- Supply chain network design in the digital age.

This list is not intended to be exhaustive. Authors are welcome to contact the editors for feedback on suitability of topics.

Timeline: Submissions open: July 1 2018 to May 31 2019

First-round decisions: September 30 2019

Revise-and-resubmit deadline (if invited): December 31 2019

Final decisions: 31 March 2019

Instructions: Please submit your paper online at http://mc.manuscriptcentral.com/nrl. Include suggestions for AEs and referees. NRL encourages succinct and clear writing, but there are no page limits. Also, papers may include a full-length appendix.