



International Journal of Shipping and Transport Logistics
Call for Papers for Special Issue on: “Maritime Transportation: Innovative Models and Algorithms”

Guest Editors

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Maritime transportation is the backbone of international trade. The maritime transportation system is a complex network consisting of many ports and shipping services. It is no easy task to coordinate such a complex system so that cargoes can be efficiently delivered from their origins to their destinations. Traditionally, a number of decisions for maritime transportation have been made by experience. This contrasts with the airline industry, which has extensively adopted optimisation-based decision support tools in their planning and scheduling decisions.

The aim of this issue is to improve the decision-making process of maritime transportation through the attraction and presentation of high-quality papers. The beneficiaries include, but are not limited to, academic researchers in the areas of maritime studies, quantitative analysis, logistics, and transportation engineering, shipping companies such as container shipping lines, bulk shipping companies, and LNG shipping companies, and terminal operators including container terminals, bulk cargo terminals, and general cargo terminals. We will make significant contributions to solutions addressing today's challenges for lowering the costs of maritime transportation in the trough of the shipping market.

The issue will carry revised and substantially extended versions of selected papers presented at the International Forum on Shipping, Ports, and Airports (IFSPA 2017, Hong Kong), but we also strongly encourage authors unable to participate in the conference to submit articles for this call.

Subject Coverage

Topics include, but are not limited to, the following:

- Branch-and-cut-and-price for tramp ship routing and scheduling
- Stochastic and robust optimisation approaches for empty container repositioning
- Innovative methods for container shipping system optimisation
- Meta-heuristics for large-scale container terminal planning and scheduling
- Game theoretic methods for bulk cargo terminal management

- New models for LNG shipping networks
- Collaboration framework development between shipping lines and port operators

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers must be submitted online. Please read our [Submitting articles](#) page.

If you have any queries concerning this special issue, please email the Guest Editor Dr Shuaian Wang at wangshuaian@gmail.com.

Important Dates

Submission of manuscripts: *1 August, 2017*

Notification to authors: *1 December, 2017*

Final versions due: *1 February, 2018*