Ship routing and scheduling: the cart before the horse conjecture

The literature on ship routing and scheduling has grown substantially over the last few decades, with many papers authored by top experts in this area and examining various versions of the problem. Many publication outlets have hosted these papers, with a broad variety of problem formulations, solution approaches, and application contexts. Equally broad is the range of angles of these papers, spanning the wide field from mostly theoretical analyses, focusing on specific methodological tools, all the way to applied studies, focusing on specific real-world applications. The basic hypothesis of this paper is that we are increasingly seeing papers that are more of theoretical than practical value, and in fact some of them often place the solution approach before real problem definition. As a result of this approach, the connection between these papers and reality is sometimes distant or elusive. To investigate this hypothesis, this paper tries to explain some misconceptions, refers to a limited sample of such papers, and suggests possible ways to rectify this situation in the future.

General information
Publication status: Published
Organisations: Department of Management Engineering, Management Science
Contributors: Psaraftis, H. N.
Number of pages: 14
Publication date: 2017
Peer-reviewed: Yes

Publication information
Journal: Maritime Economics & Logistics
Volume: 19
Issue number: 2
ISSN (Print): 1479-2931
Ratings:
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 1.57 SJR 0.915 SNIP 1.45
Web of Science (2017): Impact factor 1.588
Web of Science (2017): Indexed yes
Keywords: Ship routing and scheduling, Fleet deployment, Speed optimization
Electronic versions:
8744442_PSARAFTIS_FINAL.pdf. Embargo ended: 31/05/2018
DOIs:
10.1057/s41278-017-0080-x
Source: FindIt
Source-ID: 2370887631
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review