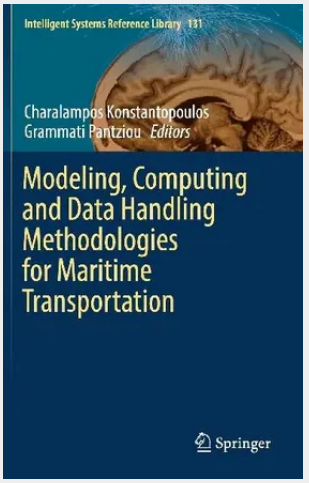
Konstantopoulos / Pantziou

Modeling, Computing and Data Handling Methodologies for Maritime Transportation



This book is one of very few in the maritime literature that solely focus on the latest developments in information technology (IT) methodologies in this field. It provides the reader with a concise overview of how IT can truly improve the efficacy of operations in the maritime industry. It consists of seven chapters that address a range of topics related to the synergy between Computer Science and Maritime Science. Specifically, Chapters 1 and 2 explore two important problems in maritime logistics pertaining to quayside operational planning, while Chapters 3 and 4 focus on maritime routing methodologies. Chapters 5 and 6 present decision-making support systems for safe shipping and port security. Last, Chapter 7 presents simulation methodologies for modeling maritime traffic.

The intended readership of the book spans both an academic audience and professionals in the areas of Operational Research, Transportation Science, and Maritime Science interested in applying ITmethodologies in their areas of expertise.

Focuses on the latest developments in information technology (IT) methodologies for maritime transportationFeatures seven chapters describing essential modeling tools, methodologies, algorithms, and systems Presents a simulation model building process that offers a useful guide for model builders in the maritime transportation domain

181,89 €
169,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319618005
Medium: Buch
ISBN: 978-3-319-61800-5
Verlag: Palgrave Macmillan
Erscheinungstermin: 12.09.2017
Sprache(n): Englisch
Auflage: 1. Auflage 2018
Serie: Intelligent Systems Reference Library
Produktform: Gebunden
Gewicht: 4734 g
Seiten: 206
Format (B x H): 160 x 241 mm