

Sustainable freight transport : theory, models, and case studies /

Zeimpekis, Vasileios, editor Akta, Emel, editor Bourlakis, Michael A., editor Minis, Ioannis, editor

Monografía

This book presents the latest technologies and operational methods available to support sustainable freight transport practices. It highlights market requirements, cutting edge applications, and case studies from innovators in the logistics services industry. The goal is to help bridge the gap between advanced computational techniques and complex applied problems such as those in sustainable transport and logistics operations. Freight transport has traditionally focused on costs and service levels. However, it is no longer possible or socially responsible to neglect the environmental, social, climate, and energy implications of the freight moving globally. This book places sustainability at the forefront of the freight transport agenda. Sustainable Freight Transport: Theory, Models and Case Studies is divided into four sections. Section I includes chapters that focus on green freight transport policies and existing frameworks and issues. Section III examines vehicle technologies and information systems that help achieve more sustainable transport operations both locally and globally. The final section focuses on the market requirements and presents case studies from key logistics service providers in achieving sustainable freight transport including intermodal transport applications. The contributions come from authors from different areas, backgrounds, and countries to offer a global perspective

https://rebiunoda.pro.baratznet.cloud: 28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMjU4Mjc0ODQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMju4Mjc00DQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMju4Mjc00DQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMju4Mjc00DQPacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMjvaWpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9u0mVzLmJhcmF0ei5yZW4vMjvaWpacDiscovery/public/catalog/detail/b2FpOmNlbACDiscovery/publicMicmF0ei5yZW4vMjvaWpacDiscovery/publicMicmF0ei5yZW4vMjvaWpacDiscovery/publicMicmF0ei5yZW4vMjvaCDiscovery/publicMicmF0ei5yZW4vMjvaWpacDiscovery

Título: Sustainable freight transport theory, models, and case studies Vasileios Zeimpekis, Emel Aktas, Michael Bourlakis, Ioannis Minis, editors

Editorial: Cham, Switzerland Springer [2018] 2018

Descripción física: 1 online resource

Mención de serie: Operations research/computer science interfaces series

Bibliografía: Includes bibliographical references

Contenido: Intro; Contents; Introduction; References; Logistics and Freight Transport as the Kernel of Resilient Airport-Driven Development; A Survey on Basic Interactivities and Causalities; 1 Airport Operations: On Course for Growth; 2 Airport-Driven Development: An Integrated Planning Framework; 2.1 Causality Between Airport and Economic Development; 2.2 Airport-Driven Development Concepts; 3 Complexity of Freight Transport and Logistics: A Challenge in Integrated Planning; 4 Airport-Driven Development Encompasses More Than Air Freight; 4.1 Value of Air Transport to Logistics 4.2 Stimulated Logistics Activities in Airport-Driven Development5 Simple Prevailing Loop: Complicated Underlying Dynamics; 6 Causalities Within the Airport-Driven Development; 6.1 Productive Interactions; 6.2 Counterproductive Interactions; 7 Final Discussion; References; Sustainability Management in Smaller UK Ports to Promote More Sustainable Freight Transport; 1 Sustainability Management, Freight Performance and Ports; 2 Examples of Port Sustainability Management; 2.1 Port Masterplanning; 2.2 Sustainability Reporting; 2.3 Exemplary Sustainability Practice: Container Megaports 2.4 EMS in Ports2.5 PSMS and Smaller UK Ports; 3 How Might Sustainability Management Permeate the UK Ports Industry?; 3.1 Potential Drivers of Sustainability Awareness in Smaller UK Ports; 3.2 Internal Strategies to Embed Sustainability Management; 3.3 Supply Chain and Other Sectoral Pressures; 3.4 Pragmatism and Requirements to Safeguard Critical Revenue Streams; 3.5 Towards an Implementation Strategy; References; A Bi-objective Problem of Scheduling Fuel Supply Vessels; 1 Introduction: Problem Definition; 1.1 Introduction; 1.2 Problem Definition; 2 Problem's Mathematical Formulation 2.1 NotationSets; Indices; Parameters; Variables; 3 Solution Methodology; 4 Empirical Evaluation; 5 Conclusions; References; Web References; Value Creation Through Green Vehicle Routing; 1 Introduction; 2 Negative Externalities of Road Transportation; 3 Models and Calculators for Estimating Emissions; 3.1 Macroscopic Models; 3.2 Microscopic Models; 3.3 Online Tools and Calculators; 4 Green Vehicle Routing Problems; 4.1 The Pollution-Routing Problem; 4.2 The Homogeneous and Heterogeneous Emissions VRP; 4.3 The Energy-Minimizing VRP; 4.4 The VRP with Fuel Consumption Rate; 5 Conclusions

Copyright/Depósito Legal: 1034544189 1038429935 1110969284 1112807018 1122817982 1126118833

ISBN: 9783319629179 electronic bk.) 3319629174 electronic bk.) 3319629166 9783319629162 9783319629186 print) 3319629182 9783030096823 print) 3030096823 9783319629162

Materia: Business logistics- Environmental aspects Delivery of goods- Management Freight and freightage Transportation Power generation & distribution Business & the environment, 'Green' approaches to business Operational research BUSINESS & ECONOMICS- Industrial Management BUSINESS & ECONOMICS-Management BUSINESS & ECONOMICS- Management Science BUSINESS & ECONOMICS- Organizational Behavior sustainable mobility carriage of goods intelligent transport system international transport transport policy environmental policy air transport maritime transport urban transport Delivery of goods- Management Freight and freightage Transportation

Autores: Zeimpekis, Vasileios, editor Akta, Emel, editor Bourlakis, Michael A., editor Minis, Ioannis, editor

Enlace a formato físico adicional: Printed edition 9783319629162

Punto acceso adicional serie-Título: Operations research/computer science interfaces series

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es