



Gazelle Academic

Transport Studies

New Titles - November 2018

Greening Logistics

Editors

Maria Björklund
Maria Huge-Brodin

Greening
Logistics

E-Bills of Lading
Contracts in
Global
Transportation

Progress in
Aircraft
Icing & Aircraft
Erosion
Research

Aviation &
Airport
Security

Markets for
Aircraft &
Automotive
Parts

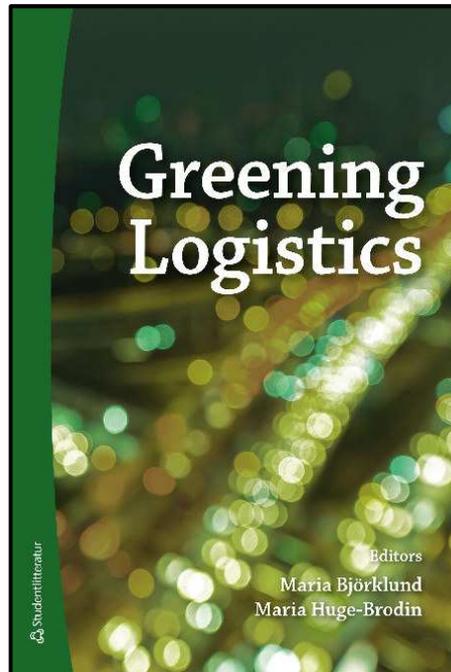
Road User
Charges
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Greening Logistics

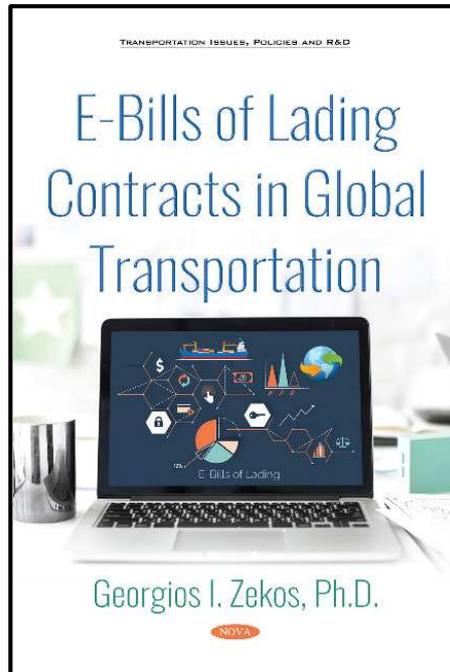
Edited by Maria Björklund, Maria Hüge Brodin

The emerging awareness of climate threats and other environmentally related problems creates challenges for logistics. Greening logistics introduces various avenues to understand and improve logistics systems from an environmental perspective. Freight transport is part of, as well as a consequence of, the logistics system, where the environmental challenges cannot, and should not, be met at the cost of efficiency and competitiveness. During the last decade, research into green logistics has expanded and matured dramatically. From being in the outskirts of the logistics field, environmental considerations have become a more natural part of logistics research. This book provides examples of research performed by Swedish Ph.D. students, and illuminates parts of the multifaceted area of green logistics research. The Ph.D. students have each contributed with one chapter, in which they present their research in their own words. This book is aimed at various audiences: for students and teachers in universities and professional programmes -- to facilitate the understanding of a complex, important, and emerging area; for business -- to demonstrate green logistics' important role, and provide inspiration and guidance for further development; for funding bodies -- to demonstrate the strength of a joint funding initiative: the development of research competence at various universities; and for researchers -- as inspiration and introduction to the area of green logistics.

April 2017 - 136 pages

PB (9789144117126) £56.00

Publisher: Studentlitteratur AB



E-Bills of Lading Contracts in Global Transportation

Georgios I. Zekos

Transportation facilities are a necessary part of a country's infrastructure. Efficient traveling and transportation of production and consumption goods are necessary requirements for competent trading within and across states. Transport networks are at the heart of the supply chain and are the foundation of any country's economy by permitting goods to be distributed effectively and people to travel. Transport is a foundation of the European integration procedure and is firmly correlated to the formation and completion of the internal market, sponsoring jobs and economic growth. Conventionally, the document comprising the contract of carriage is either a charter party or a bill of lading, depending on the way in which the vessel has been employed. Other documents in the form of a multimodal/combined bill of lading may be issued as well. These two forms of contracts are discernible. A bill of lading is a contract with regard to the cargo, whereas a charter party is a contract concerning the vessel. Ocean bills of lading have an inherent value as security to banks that finance the sale of the underlying cargo or the documents themselves, and they enable their lawful holders to sell the cargo while in transit by transfer of the document. The key obstacles in the employment of paperless bills of lading and other transportation documents take account of the law's insistence on paper-based documentation, written signatures, and out of date transport and secured transaction laws.

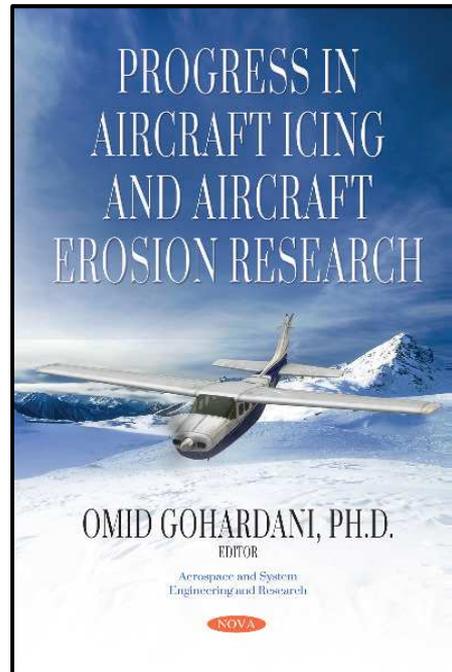
June 2018 - 710 pages

HB (9781536137224) £200.00

Publisher: Nova Science



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Progress in Aircraft Icing & Aircraft Erosion Research

Edited by Omid Gohardani

The subject of aircraft icing has a major impact on aviation safety. In this book, interdisciplinary topics related to aircraft icing are addressed with a specific emphasis on various types of icing, ice formation, icing terminology used in aeronautical applications, and ice prevention systems. Through a historical overview, designated milestones of aircraft icing research, development of scientific solutions, and improvement of icing detection systems are revisited for the purposes of shedding light on icing physics and related flight applications. The book explores contributions made by the National Aeronautics and Space Administration (NASA) and the Federal Aviation Administration (FAA) for aircraft icing and investigates a wide range of aircraft icing efforts, including mathematical models of air-droplet two-phase flow and computational methods for droplet impingement, in addition to experimental research in icing wind tunnels. With objectives to expand the core area of aircraft icing to interrelated topics, the erosion terminology is addressed from an aeronautical perspective. Erosion research in the aviation industry and the threat of solid particle erosion damages to aircraft underlines opportunities and challenges to ensure aviation safety. This is an essential reference book for aircraft icing, the interdisciplinary topics of icing physics, and erosion testing in aeronautical applications.

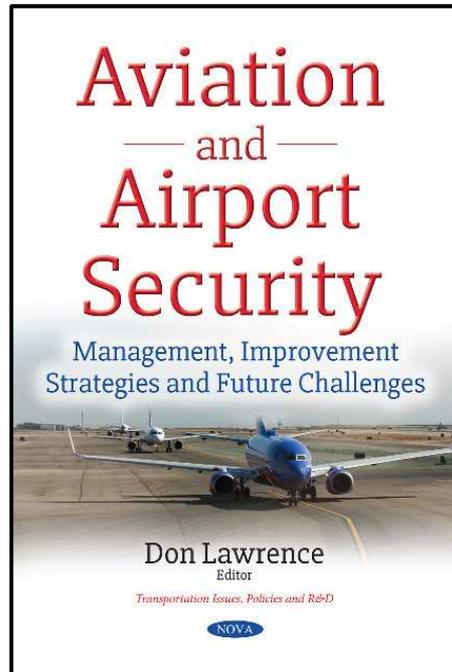
July 2017 - 100 pages

PB (9781536120301) £82.99

Publisher: Nova Science



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Aviation & Airport Security Management, Improvement Strategies & Future Challenges

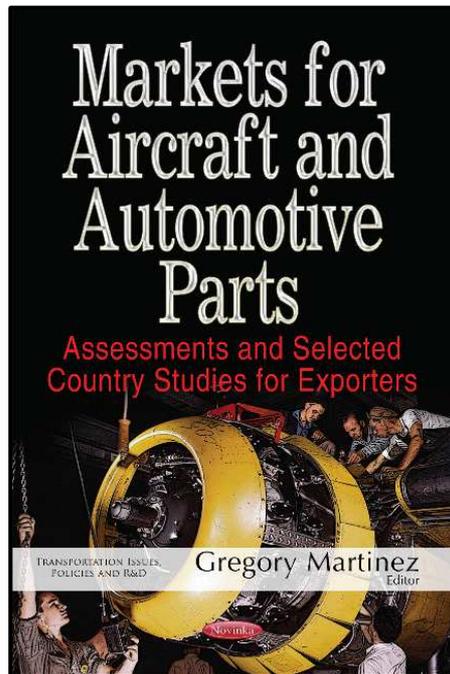
Edited by Don Lawrence

Chapter One summarises research on the seismic performance of air traffic control (ATC) towers, discusses their shortcomings and puts forward recommendations for future studies. Chapter Two covers the construction of an airport for the capital of Germany that has an erratic history dating back to the early nineties. During the long planning period, the employment impacts of a major airport played an important role in the public dialogue. This chapter sets out how a scenario technique was used to calculate employment effects related to this major airport project. Chapter Three analyses airport security in the Czech Republic regarding the Safety Risk Management (SRM) setting including the Safety Risk Assessment (SRA) with respect to economic aspects of the issue. The chapter also includes statistical backstage pointing to the topicality of this issue. Chapter Four uses the case of Atlanta Hartsfield/Jackson International Airport (ATL) to illustrate the links between airport capacity management and passenger satisfaction measured as airlines' on-time performance. Chapter Five covers the potential benefits from using Linked Data technologies in emergency scenarios and presents the authors' applications for improved emergency response.

June 2017 - 100 pages
PB (9781536119091) £71.99
Publisher: Nova Science



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Markets for Aircraft & Automotive Parts Assessments & Selected Country Studies for Exporters

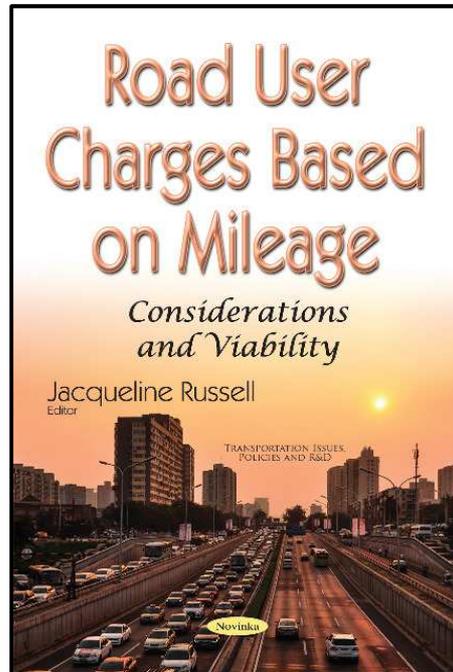
Edited by Gregory Martinez

U.S. aircraft parts figure prominently in U.S. competitiveness in global aerospace trade. In contrast to other aerospace sectors, job creation at small and medium enterprises can especially benefit from increased exports of aircraft parts. This book provides commentary on changing market dynamics. It helps inform U.S. suppliers of aerospace products of what the U.S. Department of Commerce's International Trade Administration (ITA) considers to be leading markets for exports of U.S. aircraft parts. Top markets for future growth in U.S. aircraft parts exports are generally those that are leading exports markets overall for U.S. products (e.g., large European economies, Japan, China and Singapore).

January 2017 - 100 pages

PB (9781536105414) £53.99

Publisher: Nova Science



Road User Charges Based on Mileage Considerations & Viability

Edited by Jacqueline Russell

A mileage-based road user charge would involve assessing owners of individual vehicles on a per-mile basis for the distance the vehicle is driven. Currently, federal highway and public transportation programs are funded mainly by motor fuel tax receipts that flow into the Highway Trust Fund (HTF). The tax rates, set on a per-gallon basis, have not been raised since 1993, and receipts have been insufficient to support the transportation programs authorised by Congress since FY2008. The long-term viability of motor fuels taxes is also questionable because of increasing vehicle fuel efficiency and the wider use of electric vehicles. Economists have favored the use of mileage-based user charges as an alternative to motor fuels taxes to support highway funding. This book examines considerations and viability of road user charges based on mileage.

January 2017 - 100 pages

PB (9781536104981) £53.99

Publisher: Nova Science



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OMID GOHARDANI, PH.D.
EDITOR

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