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KEY=TRANSPORT - JAZLYN ALIJAH

The Future of Intermodal Freight Transport Operations, Design and Policy Edward Elgar Publishing . . . *the book will be a valuable resource for students, researchers, policy makers and practitioners. Competition and Regulation in Network Industries The book is well balanced. . . The authors depict the reality of this complex world and identify the right strengths, weaknesses, opportunities and threats. Bart Jourquin, European Journal of Transport and Infrastructure Research . . . the editors and the expert contributors provide a timely overview of the present role and challenges of intermodal freight transport. . . the book will not only be appealing to academics and researchers with an interest in the emerging field of intermodal transport research. As the book is largely kept at an executive and policy level, it is also appealing to practitioners and policy makers. . . the book is a valuable contribution to the study of intermodal freight transport as a new transportation research application field. It is an essential reading for all stakeholders in the field of intermodal freight transportation, providing them with insight and tools to address the mounting academic and practical challenges in this segment of the transport and logistics market. Theo Notteboom, Journal of Transport Geography This book explores the great challenge of increasing the scope of intermodal freight transport. In view of the current dominant role of road transport and the increasing difficulties in coping with a growing number of vehicles in an efficient and sustainable way, intermodal freight transport could be considered a viable alternative. However, the book makes recognition of the fact that there is still a need to improve the performance of the intermodal transport system. The expert contributors provide an overview of the present role of intermodal freight transport, address opportunities to significantly improve current performance, and demonstrate design and modelling tools used to analyse and support this performance. Requirements for the implementation of intermodal innovations are also prescribed, and policies needed to improve competitiveness are outlined. Many factors contributing to the performance and competitiveness of intermodal freight transport are explored, from technological and organisational innovations through to institutional settings and policy frameworks. This comprehensive range of topics will attract a broad audience including academics, researchers, policymakers and practitioners involved in the design and development of freight transport systems. It will also strongly appeal to those with an interest in the future of freight transport.* **The Future of Intermodal Freight Transport: Operations, Design and Policy Intermodal transport operations. Design and modelling. Implementation and policy. Intermodal Freight Transportation Elsevier** *Intermodal Freight Transportation conceptualizes intermodal transport as a set of physical, logical, financial and contractual flows, examining the barriers that impact intermodal freight services and the resulting performance variables. The book covers transport modes, agents, supply and demand patterns, key drivers, trends influencing the freight transportation sector, the evolution of supply and logistics chains, and the impacts of technological advancements, such as autonomous vehicles and e-commerce. In addition, the book covers transport agents, such as shippers, freight forwarders, integrators, and customs, as well as the demand for freight transport services and the key properties of goods. Readers will find a variety of new tools for analyzing and building effective transport chains that addresses component technology, information, responsibility, and financing dimension, along with sections on key organizational, regulatory, infrastructure and technological barriers. The book concludes with a look into the future of the freight transport sector. Presents a step-by-step approach that introduces key topics for understanding efficient intermodal transportation Focuses on the concept of fitness between the modes of transport profiles Contains numerous, real-world case studies throughout Examines performance metrics* **Intermodal Freight Transportation Elsevier** *Intermodal Freight Transportation conceptualizes intermodal transport as a set of physical, logical, financial and contractual flows, examining the barriers that impact intermodal freight services and the resulting performance variables. The book covers transport modes, agents, supply and demand patterns, key drivers, trends influencing the freight transportation sector, the evolution of supply and logistics chains, and the impacts of technological advancements, such as autonomous vehicles and e-commerce. In addition, the book covers transport agents, such as shippers, freight forwarders, integrators, and customs, as well as the demand for freight transport services and the key properties of goods. Readers will find a variety of new tools for analyzing and building effective transport chains that addresses component technology, information, responsibility, and financing dimension, along with sections on key organizational, regulatory, infrastructure and technological barriers. The book concludes with a look into the future of the freight transport sector. Presents a step-by-step approach that introduces key topics for understanding efficient intermodal transportation Focuses on the concept of fitness between the modes of transport profiles Contains numerous, real-world case studies throughout Examines performance metrics* **The Future of Intermodal Transportation Intermodal Freight Transport and Logistics CRC Press** *Applying sophisticated management techniques to freight transport offers the potential for significant cost savings as well as greater efficiency. Yet the inherent complexity of intermodal transport presents many challenges. This practical textbook on the operations of intermodal*

transport and logistics focuses on the practical concerns and the basics of operations, such as vehicles, containers, handling operations, logistics management and optimisation. All chapters are written by field specialists, and the volume includes additional chapters on economics, law and the environment to put the practical topics into context. It presents a balanced textbook for postgraduate students and also a reference text for those in industry or the public sector involved in the planning of intermodal freight transport. **Institutional Challenges to Intermodal Transport and Logistics Governance in Port Regionalisation and Hinterland Integration Routledge** While the operational realities of intermodal transport are relatively well known, the institutional challenges are less well understood. This book provides an overview of intermodal transport and logistics including the policy background, emerging industry trends and academic approaches. Establishing the three key features of intermodal transport geography as intermodal terminals, inland logistics and hinterland corridors, Jason Monios takes an institutional approach to understanding the difficulties of successful intermodal transport and logistics. Key areas of investigation include the policy and planning background, the roles of public and private stakeholders and the identification of emerging strategy conflicts. Substantial empirical content situates the theoretical and practical issues in real-world examples via three detailed case study chapters (covering the USA, UK and Europe), making the book useful to students as well as practitioners desiring an understanding of how intermodal transport and logistics work in practice. The identified challenges to intermodal transport and logistics are used to demonstrate how competing port and inland strategies can inhibit the necessary processes of integration required to underpin successful intermodal transport. The book concludes with a look at the future of institutional adaptation that may enhance the capacity of freight actors to engage with intermodal transport developments. **Global Intermodal Freight State of Readiness for the 21st Century : Report of a Conference, February 23-26, 2000, Long Beach, California** Following the model of previous Transportation Research Board (TRB) intermodal conferences, this conference provided a forum for discussion and information-sharing on the issues and developments affecting intermodal freight transportation planning and operations. The conference brought together more than 200 leaders and experts in intermodal freight transportation from the private sector, all levels of government, and the military. The goal was to take a collective look at how far the nation has come and at what remains to be done toward realizing the vision set forth in the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA). The discussions and findings from this conference provide useful input to the framers of the next surface transportation reauthorization scheduled for 2004. Included in the proceedings are conference presentations and the following appendices: (A) Intermodal Freight Transportation Report Card; (B) Summary of U.S. Department of Transportation Actions on Recommendations of the National Commission on Intermodal Transportation; (C) Conference Exhibits and Posters; and (D) List of Conference Participants. **Intermodal Freight Planning at the Multi-state Corridor Level State of the Practice and Future Directions** With the completion of the Interstate highway system the transportation planning focus has changed. Fiscal constraints preclude system expansion at the pace needed to support continued robust economic growth. Therefore, attention in the public sector has shifted to getting more productivity out of the existing modal infrastructure through improvements in system operation and management. This shift from capital construction to asset management is also motivated by increased emphasis at all governmental levels on minimizing the adverse environmental and societal effects of transportation activities. In concert with these public sector forces has been the emergence of a vibrant and highly competitive global marketplace. International trade and transportation agreements have opened the door to continued explosive growth in global commerce. The successful global enterprises are characterized by efficient logistics involving just-in-time inventory systems and a strong emphasis on customer service. The transport demands of international corporations are forcing transportation service providers to be more efficient and responsive. The combined effect of these public and private sector forces is a sea change in the way the transportation system is planned, designed, and deployed. A major element of this transportation paradigm shift involves a view of the modal systems as components of a single, integrated transportation system where each mode plays a role based on its inherent strengths. This view motivates a search for technical and institutional improvements to enhance the "seamless" flow of goods and people between the modes. In this emerging intermodal era, there will be increasing opportunities for the public and private sectors to make worthwhile investments in intermodal facilities and technology. It follows, therefore, that planning attention will be focused on improving intermodal interconnectivity. Also, the public sector will be faced with important transport policy decisions, such as carrier regulation/deregulation, truck size and weight restriction changes, and continued consolidation of the major rail carriers. Planners and decision makers will need reliable data and transportation systems analysis tools to evaluate intermodal project and policy alternatives. Within this overall global transportation system context, this report focuses on the freight transportation planning for a major corridor. The Interstate 81 corridor is a case in point. I-81 runs from upstate New York to Tennessee through Pennsylvania, the Maryland and West Virginia panhandles and Virginia and is characterized by a high level of truck travel over much of the corridor. In spite of this corridor focus, several of the conclusions drawn in this report are relevant for freight transportation planning in general. **Intermodal Freight Transport and Logistics CRC Press** Applying sophisticated management techniques to freight transport offers the potential for significant cost savings as well as greater efficiency. Yet the inherent complexity of intermodal transport presents many challenges. This practical textbook on the operations of intermodal transport and logistics focuses on the practical concerns and the basics of operations, such as vehicles, containers, handling operations, logistics management and optimisation. All chapters are written by field specialists, and the volume includes additional chapters on economics, law and the environment to put the practical topics into context. It presents a balanced textbook for postgraduate students and also a reference text for those in industry or the public sector involved in the planning of intermodal freight transport. **Intermodal Freight Transportation: Overview of impediments, data sources for intermodal transportation planning, and annotated bibliography Towards a Quality Leap in Intermodal Freight Transport Theoretical Notions and Practical Perspectives in Europe Delft University Press Logistics Transportation Systems Elsevier** Logistics Transportation Systems compiles multiple topics on transportation logistics systems from both qualitative and quantitative perspectives, providing detailed examples of real-world logistics workflows. It explores the key concepts and problem-solving techniques required by researchers and logistics professionals to effectively manage the continued expansion of logistics transportation systems, which is expected to reach an estimated 25 billion tons in the United States alone by 2045. This book provides an ample understanding of logistics transportation systems, including basic concepts, in-depth modeling analysis, and network analysis for researchers and practitioners. In addition, it covers policy issues related to transportation logistics, such as security, rules and regulations, and emerging issues including reshoring. This book is an ideal guide

for academic researchers and both undergraduate and graduate students in transportation modeling, supply chains, planning, and systems. It is also useful to transportation practitioners involved in planning, feasibility studies, consultation and policy for transportation systems, logistics, and infrastructure. Provides real-world examples of logistics systems solutions for multiple transportation modes, including seaports, rail, barge, road, pipelines, and airports Covers a wide range of business aspects, including customer service, cost, and decision analysis Features key-term definitions, concept overviews, discussions, and analytical problem-solving

FHWA International Technology Scanning Program Study Tour Summary Report on European Intermodal Programs Planning, Policy and Technology In September 1993, a team of four government and state transportation association representatives made a two-week scanning trip to Belgium, the Netherlands, and Germany to discuss and report on European experiences with intermodal freight transportation policies and systems. The objective was to observe and document information on European Community (EC) - sometimes referred to as European Union (EU) - methods and experiences in the planning and administration, system development, environmental compliance, financing, marketing, and operation of increasingly complex and capital-intensive intermodal freight systems and facilities. To the extent that such information was pertinent to the public and private sector transportation community in the United States, it would be documented in the form of a summary report.

EU/US Dialogue on Intermodal Freight Transport **Intermodal Freight Transport Routledge** This book provides an introduction to the whole concept of intermodal freight transport, the means of delivering goods using two or more transport modes, recounting both European experience and UK developments and reporting on the extensive political influences on this form of transport. This is placed into context with reference to developments in North America and Asia. Detailed explanations are given of the road and rail vehicles, the loading units and the transfer equipment used in such operations. In particular, the role of the Channel Tunnel in the development of long-haul combined transport operations between the UK and Europe is considered.

Evaluating Intermodal Freight Terminals A Framework for Government Participation A method for rating the intermodal freight terminals as candidates for government funded access improvements is proposed in this report. This report presents an overview of the intermodal freight transportation industry. Then government intermodal freight planning and participation including examples of government sponsored intermodal projects are presented. An intermodal freight planning procedure is then proposed. A terminal capacity analysis is performed as required for a terminal prioritization process. Finally, three prioritization strategies are proposed and illustrated using data collected from Texas. The system is designed to rank priority by facility for a given network, utilizing facility operational and physical attributes.

Intermodal Freight Terminals A Life Cycle Governance Framework Routledge Much work has been done on port governance yet little has addressed intermodal terminal governance, despite the clear similarities. This book fills that gap by establishing a governance framework for situating analysis of intermodal terminals throughout their life cycle. A version of the product life cycle theory is amended with governance theory to produce a framework covering each stage of the terminal's life cycle, from the initial planning to the many decisions taken regarding the public/private split in funding mechanisms, ownership, selecting an operator, specifying KPIs to the operator, setting fees, earning profit, ensuring fair access to all rail service operators, and finally to reconcessioning the terminal to a new operator, managing the handover and maintaining the terminal throughout its life cycle. An institutional analysis of stakeholder relations, situated within a governance framework, illuminates these issues and enables not only conceptualisation and greater understanding of the geography of intermodal transport, but also decision-making and goal-setting by planners and policy makers. This book thus has three functions: first, as a textbook on the planning and operation of intermodal terminals; second, as a presentation of recent empirical research on intermodal terminal governance; third, as a framework for future research in which the broad field of analysis of intermodal transport can be viewed through a single lens and used to inform geographers, policymakers and planners.

The Virtual Intermodal Transportation System (VITS) Available tools are insufficient to provide the needed systemwide view for planning future freight transportation systems based on the coordinated use of more than one mode of transportation. Many existing tools are either mode specific (they only address a single mode of transportation) or too microscopic in scope (they address only detailed traffic flows or facility operations). No comprehensive tool exists that considers the level of performance of the total system, which is important due to the many interdependencies that exist between the different modes of transportation. In some cases, optimizing just a particular component of the transportation network could result in sub-optimization of the entire transportation system. Intermodal freight transportation planning tools are needed to optimize future freight transportation systems. This thesis presents a prototype Virtual Intermodal Transportation System (VITS) that simulates the movement of freight via highways, railways, and waterways on a statewide level. The requirements for the VITS are researched and identified. The general processes of building the VITS prototype, the results from hypothetical case studies using the VITS as a planning and analysis tool, and potential improvements to the methodology are also discussed.

Urban Logistics Management, Policy and Innovation in a Rapidly Changing Environment Kogan Page Publishers Approximately 80 per cent of European and American citizens live in an urban environment. Due to their large populations and extensive commercial establishments, urban areas require large quantities of goods and services for commercial and domestic use. This results in increasing levels of demand for freight transport services. Freight transport in towns and cities is a major contributor to environmental impacts, particularly to local air pollution and noise. Urban Logistics addresses public policy makers, freight transport companies and receivers of supplies, providing them with the information and guidance to affect change in the logistics of the city. Urban Logistics is written by an outstanding team of international editors combining their expertise and using their research from leading business schools in Sweden and the US. There are also valuable contributions from academics and industry experts from companies and universities from all over the world. The book includes clear examples of initiatives that work and business case developments, as well as toolkits for policymakers and managers who are devising new initiatives. There is an in-depth examination of different aspects of urban logistics, such as retail logistics for cities, urban food supply chains, services and the special logistics requirements involved, construction, waste management and e-commerce and home delivery. There is also a focus on networks and partnerships and an analysis of innovation as a new constant. Online supporting resources include PowerPoint lecture slides.

International Handbook on Mega-Projects Edward Elgar Publishing Providing crucial background information for those who want to understand decision-making processes on large transport infrastructure projects, this fascinating Handbook will prove an important source of information for academics, researchers and students.

Road Transport and Intermodal Linkages Research Programme Intermodal Freight Transport Institutional Aspects Institutional Aspects OECD Publishing This report provides insights into the institutional aspects of

intermodal freight transport, examining what makes effective policy. **Key Emerging Trends in the Intermodal Freight Transportation Industry** This thesis addresses the key emerging trends in the intermodal freight transportation industry. Interviews were conducted with a focus on perceptions that the various intermediaries have towards their working relationships with one another the impact of emerging technologies, and what government policies and regulations should be enacted or repealed in order to improve the industry. Eight individuals were interviewed representing the following seven intermediaries: 1) Shipper, 2) Ocean Carrier, 3) Port Authority, 4) Railroad, 3) Trucking, 6) Third Party Logistics and Intermodal Management Company, and 7) Drayage. All interviews were taped and then transcribed. A major finding is that the U.S. government, industry, and academia must work in a collaborative effort to develop and maintain educational and internship programs to prepare present and future transportation managers and technicians to become the industry's leaders. Although dramatic developments in advanced technologies have been the single greatest factor influencing changes in transportation during the past 25 years it is people who manufacture goods, provide transportation services, and ultimately consume the goods produced. Therefore, it is the "human-in-the-loop" who when properly equipped, trained, and experienced will truly revolutionize the commercial intermodal freight transport industry. **Intermodal Transport in the Age of COVID-19 - Practices, Initiatives and Responses Building Pandemic Resilient Transport Systems** This publication provides an overview of the work of the UNECE Sustainable Transport Division in supporting countries to overcome challenges faced by their inland transport systems related to the COVID-19 pandemic. Covering five thematic areas, it assesses the different impacts for each area and provides an overview of policy support measures in each of these fields, as provided by the Division: 1. Border Crossing Facilitation; 2. Transport trends and economics; 3. Intermodal transport and logistics; 4. Dangerous goods; 5. Vehicles regulations. The publication also provides an overview of a number of national, regional and international policy responses as developed by Governments, partner organisations such as WHO, WCO, EC etc. as well as the private sector in the wake of the pandemic. Finally, it provides a set of general recommendations and possible areas for further work in strengthening inland transport systems' resilience to and preparedness for (future) pandemics. **Fast-Forward Key Issues in Modernizing the U.S. Freight-Transportation System for Future Economic Growth Rand Corporation** Efficient movement of freight within the United States and across its borders is a critical enabler of future U.S. economic growth. The authors provide an overview of the freight-transportation system and the problems it faces, concluding with a discussion of key system-modernization issues, including increasing capacity, making the system less vulnerable to disruption, addressing environmental concerns, and building support for funding. **The Rail Freight Challenge for Emerging Economies How to Regain Modal Share World Bank Publications** This report captures ways in which policy makers and senior officials in railway organizations from emerging economies can accelerate modal shift to rail. Such officials, as well as the general public, aspire for more freight to be moved by rail. The environmental and societal benefits of such a shift are compelling. And yet investment in railways is often not followed by a corresponding increase in freight moved by rail. This report highlights the fact that, in a world of changing global supply chains and logistics, the approach to regaining modal share needs to be different. The expectation that lower cost and efficient rail service will automatically lead to modal shift from road to rail has not been a reality in most emerging economies. Modern railways focus on understanding the logistics of targeted freight and positioning rail transport services as part of an overall logistics system aimed at meeting the needs of customers. **Intelligent Transport Systems in Europe Opportunities for Future Research World Scientific** This book provides valuable insight and critical appraisal of key areas of intelligent transport systems (ITS) for land transport in Europe. ITS is becoming increasingly important as the means to improving the efficiency, safety and comfort of the transport of people and goods while at the same time helping to minimize environmental damage and the contribution of transport to global warming. The material draws on over four years of study by the ROSETTA project OCo part of the European Commission 5th Framework Program. For each of the 12 areas addressed, the book provides a vision for their application, identifies key issues yet to be addressed and the future opportunities that the timely application and advancement of ITS can bring." **Key Trends in the Intermodal Freight Transportation Industry** This thesis addresses the key emerging trends in the intermodal freight transportation industry. Interviews were conducted with a focus on perceptions that the various intermediaries have towards their working relationships with one another the impact of emerging technologies, and what government policies and regulations should be enacted or repealed in order to improve the industry. Eight individuals were interviewed representing the following seven intermediaries: 1) Shipper, 2) Ocean Carrier, 3) Port Authority, 4) Railroad, 3) Trucking, 6) Third Party Logistics and Intermodal Management Company, and 7) Drayage. All interviews were taped and then transcribed. A major finding is that the U.S. government, industry, and academia must work in a collaborative effort to develop and maintain educational and internship programs to prepare present and future transportation managers and technicians to become the industry's leaders. Although dramatic developments in advanced technologies have been the single greatest factor influencing changes in transportation during the past 25 years it is people who manufacture goods, provide transportation services, and ultimately consume the goods produced. Therefore, it is the "human-in-the-loop" who when properly equipped, trained, and experienced will truly revolutionize the commercial intermodal freight transport industry. **Policy Options for Intermodal Freight Transportation** This study of policy options for intermodal freight was initiated by the Transportation Research Board (TRB) Executive Committee in 1995. The Executive Committee recognized that freight transportation is of critical importance to the United States and that intermodal freight transportation is one of the major technological and organizational trends affecting the performance of the sector. To conduct this study, TRB formed a committee, following National Research Council procedures to ensure a balance of points of view, that included members with expertise in intermodal freight transportation, state and local government transportation administration, and public policy. The committee's conclusions and recommendations are presented in this special report and cover four areas: Principles for government involvement; Federal surface transportation programs affecting freight; Regulatory and operations issues; and Public finance of intermodal freight projects. Also included are the five papers on special topics commissioned by the committee. **Computers in Railways XIV Railway Engineering Design and Optimization WIT Press** This book contains the 14th proceedings of the, very successful, International conference on Railway Engineering Design and Optimization (COMPRAIL 2014), which began in 1987. **Intelligent Transport Systems in Europe Opportunities for Future Research Modern Trends and Research in Intermodal Transportation Springer Nature** This book presents a specific technical solution, called intermodal transport, which became the basic technological solution that made it possible to provide global interregional transport. Every day, new technical, technological, and organizational solutions appear that significantly affect the further development of this

industry. However, there are certain local differences between regions. In addition, an essential factor is the exchange of experience between scientists from different countries. Accordingly, the purpose of this monothematic book is to acquaint readers with the achievements of scientists dealing with this topic and living in different regions. Scientists and specialists from Poland, Germany, Great Britain, USA, Romania, Bulgaria, Russia, Italy, Kazakhstan, and Lithuania participated in the writing of individual chapters of this book. This book is intended for professionals, teachers, students, and others who are interested in new approaches to solving transport problems.

Handbook of Global Logistics Transportation in International Supply Chains Springer Science & Business Media Global logistics entails tradeoffs in facility location, distribution networks, the routing and scheduling of deliveries by different modes of travel (e.g., air, water, truck, rail), procurement, and the overall management of international supply chains. In an increasingly global economy, then, logistics has become a very important matter in the success or failure of an organization. It is an integral part of supply chain management that involves not just operations management considerations, but production engineering and regional science issues as well. As Director of the prestigious Waterloo Management of Integrated Manufacturing Systems Research Group (WATMIMS), which specializes in logistics and manufacturing, Jim Bookbinder is uniquely qualified to edit a handbook on global logistics. He has aligned a set of prominent contributors for this volume. The chapters in the Handbook are organized into discrete sections that examine modes; logistics in particular countries; operations within a free-trade zone; innovative features impacting international logistics; case studies of specific companies; and a look toward the future. Contributors are from the Americas, Europe, and Asia, and they push the state of the art in areas such as trade vs. security; border issues; cabotage within NAFTA; Green logistics corridors within the EU; inland ports; direct-to-store considerations; and all the questions that need to be confronted in any given region. This will certainly appeal to researchers and practitioners alike, and could serve as required or supplementary reading in graduate-level logistics courses as well.

Advances in Production Management Systems: New Challenges, New Approaches International IFIP WG 5.7 Conference, APMS 2009, Bordeaux, France, September 21-23, 2009, Revised Selected Papers Springer The present economic and social environment has given rise to new situations within which companies must operate. As a first example, the globalization of the economy and the need for performance has led companies to outsource and then to operate inside networks of enterprises such as supply chains or virtual enterprises. A second instance is related to environmental issues. The statement about the impact of industrial activities on the environment has led companies to revise processes, to save energy, to optimize transportation.... A last example relates to knowledge. Knowledge is considered today to be one of the main assets of a company. How to capitalize, to manage, to reuse it for the benefit of the company is an important current issue. The three examples above have no direct links. However, each of them constitutes a challenge that companies have to face today. This book brings together the opinions of several leading researchers from all around the world. Together they try to develop new approaches and find answers to those challenges. Through the individual chapters of this book, the authors present their understanding of the different challenges, the concepts on which they are working, the approaches they are developing and the tools they propose. The book is composed of six parts; each one focuses on a specific theme and is subdivided into subtopics.

The Future of Automated Freight Transport Concepts, Design and Implementation Edward Elgar Publishing This book explores the many challenges faced by the development and implementation of automated freight transport systems. It offers a unique overview of current applications, developments and future perspectives. The subject of automation is not covered extensively in the existing literature on freight transport and this book aims to fill the gap.

Freight Transport Modeling in Emerging Countries Elsevier Freight Transport Modeling in Emerging Countries examines freight transport models developed in emerging countries including Turkey, South Africa, India, Chile, and more. It provides a toolbox of successful freight transport model applications, alternative data collection methods, and evaluation techniques for the development of future policies. The book offers solutions for issues related to the urban, national, and international transportation of goods and examines new advances in freight transport models and data collection techniques and their applications in emerging countries. Emerging countries have unique transport-related policies, regulatory structures, logistics systems, and long-term uncertainties that hinder their economic development. This book tackles these issues by examining decision-making models for locating logistics sites such as ports and distribution centers, modeling urban freight movements in megacities and port cities, using existing datasets to get information when data is not available, implementing policies related to the national and international movements of goods, and more. Includes a wide variety of opinions and approaches from subject matter experts around the world Utilizes a case-based approach Includes a range of learning tools that feature chapter openers, end of chapter questions, a glossary, and more Examines new advances in freight transport models and data collection techniques

Computational Intelligence for Traffic and Mobility Springer Science & Business Media This book presents the new development of computation intelligence for traffic, transportation and mobility, the main contents include traffic safety, mobility analysis, intelligent transportation system, smart vehicle, transportation behavior, driver modeling and assistance, transportation risk analysis and reliability system analysis, vehicle operation and active safety, urban traffic management and planning.

A Concept for a National Freight Data Program Transportation Research Board Calls upon the Department of Transportation and its Bureau of Transportation Statistics to take the lead in coordinating freight data collection in the US. This work focuses on increasing the linkages between sources of data and filling data gaps to develop a source of timely and reliable data on freight flows. A national framework is needed.

Intelligent Freight Transportation CRC Press Increasing capacity at ports and goods movement in the supply chain in general, while also satisfying environmental, economic, political, labor union, and other constraints is, arguably, the greatest challenge of modern transportation. With space at a premium and costs through the roof, it is increasingly obvious that the traditional solutions are

Integrated intermodal strategies for road, rail and water transport