

Maritime Logistics A To Contemporary Shipping And Port Management

Research-based text presenting concepts, theories and their practical applications in the maritime transport industry, supported by insightful case studies.

This handbook provides a wide-ranging, coherent, and systematic analysis of maritime management, policy, and strategy development. It undertakes a comprehensive examination of the fields of management and policy-making in shipping by bringing together chapters on key topics of seminal scientific and practical importance. Within 21 original chapters, authoritative experts describe and analyze concepts at the cutting edge of knowledge in shipping. Themes include maritime management and policy, ship finance, port and maritime economics, and maritime logistics. A study examines the determinants of ship management fees. Aspects of corporate governance in the shipping industry are reviewed and there is a critical review of the ship investment literature. Other topics featured include the organization and management of tanker and dry bulk shipping companies, environmental management in shipping with reference to energy-efficient ship operation, a study of the BIMCO Shipping KPI standard, utilizing the Bunker Adjustment Factor as a strategic decision-making instrument, and slow steaming in the maritime industry. All chapters are written to provide implications for further advancement in professional practice and research. The Routledge Handbook of Maritime Management will be of great interest to relevant students, researchers, academics, and professionals alike. It provides abundant opportunities to guide further research in the areas covered but will also initiate and inspire effective maritime management.

Contemporary practice and scientific innovation consider the logistics aspects of shipping or maritime and seaport operations as one of the most important areas for development of competitive advantages in business and for study and research. This book covers issues having a significant impact on the industry.

This book describes a wide range real-case applications of Multi-Criteria Decision Making (MCDM) in maritime related subjects including shipping, port, maritime logistics, cruise ports, waterfront developments, and shipping finance, etc. In such areas, researchers, students and industrialists, in general, felt struggling to find a step-by-step guide on how to apply MCDM to formulate effective solutions to solving real problems in practice. This book focuses on the in-depth analysis and applications of the most well-known MDCM methodologies in the aforementioned areas. It brings together an eclectic collection of twelve chapters which seek to respond to these challenges. The book begins with an introduction and is followed by an overview of major MCDM techniques. The next chapter examines the theory of analytic hierarchy process (AHP) in detail and investigates a fuzzy AHP (FAHP) approach and its capability and rationale in dealing with decision problems of ambiguous information. Chapter 4 proposes a generic methodology to identify the key factors influencing green shipping and to establish an evaluation system for the assessment of shipping greenness. In Chapter 5, the authors describe a new function of fuzzy Evidential Reasoning (ER) to improve the vessel selection process in which multiple criteria with insufficient and ambiguous information are evaluated and synthesized. Chapter 6 presents a novel methodology by using an Artificial Potential Field (APF) model and the ER approach to estimate the collision probabilities of monitoring targets for coastal radar surveillance. Chapter 7 develops the inland port performance assessment model (IPPAM) using a hybrid of AHP, ER and a utility function. The next chapter showcases a challenging approach to address the risk and uncertainty in LNG transfer operations, by utilizing a Stochastic Utility Additives (UTA) method with the help of the philosophy of aggregation-disaggregation coupled with a robustness control procedure. Chapter 9 uses Entropy and Grey Relation Analysis (GRA) to analyze the relative weights of financial ratios through the case studies of the four major shipping companies in Korea and Taiwan: Evergreen, Yang Ming, Hanjin and Hyundai Merchant Marine. Chapter 10 systematically applies modern heuristics to solving MCDM problems in the fields of operation optimisation in container terminals. Arguing that bunkering port selection is typically a multi-criteria group decision problem, and in many practical situations, decision makers cannot form proper judgments using incomplete and uncertain information in an environment with exact and crisp values, in Chapter 11, the authors propose a hybrid Fuzzy-Delphi-TOPSIS based methodology with a sensitivity analysis. Finally, Chapter 12deals with a new conceptual port performance indicators (PPIs) interdependency model using a hybrid approach of a fuzzy logic based evidential reasoning (FER) and a decision making trial and evaluation laboratory (DEMATEL).

Proceedings of the 7th International Conference LDIC 2020, Bremen, Germany

Multi-Criteria Decision Making In Maritime Studies and Logistics

Developments in Maritime Transport and Logistics in Turkey

Dynamic Shipping and Port Development in the Globalized Economy

Dynamics in Logistics

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. At the cutting edge in its assessment of the industry, Maritime Logistics covers the whole scope of maritime logistics and examines latest logistical developments within the port and shipping industry. With a range of new international contributors, this new edition has been thoroughly revised and updated. There are new chapters on port centric logistics, hinterland logistics and global supply chains, maritime transport and logistics as a trade facilitator, and future trends and developments. Written by a team of international experts with over fifty years' experience in the field, Maritime Logistics provides a truly global perspective. The book covers everything that students of logistics, as well as those working within the industry, need to know about maritime logistics, including shipping lines, containers, tankers, dry bulk, port-centric logistics, and much more.

This multidisciplinary book delivers a unique collection of well-considered, empirically rich and critical contributions on maritime transport geographies. It covers a wide range of markets and territories as well as institutional, environmental and future issues. During the 1990s there were two major developments to the Common EU Maritime Transport Policy (CMTP): the establishment of European Union policies on safe seas and on shortsea shipping respectively. This book critically analyzes and appraises these and other developments to the CMTP in this period, while also studying policy Europeanization. It focuses on both the economic environment of maritime transport and the interaction of policy makers and organized interests during the policy-making process, with an emphasis on the political dimensions. By developing an innovative economic model, the book examines the ways in which governmental and non-governmental policy makers and their ideas interact within the EU's structure and dynamics, and shows how these factors account for why, when and how the specific common EU policy has developed.

Supply chain management is the cornerstone of the competitive strategies of many presentday organizations and has evolved from the operational to the strategic level. Understanding this, Principles of Global Supply Chain Management offers a comprehensive insight into the global supply chain sector—analyzing the strategic, operational and financial aspects of the industry, and addressing the key elements in the management of global supply chains. The key topics of each chapter demonstrate a variety of fundamental issues in the supply chain industry: What are supply chain markets? What is the supply chain cost structure? What are supply chain strategies? How do supply chain firms design and implement strategies? What are the key roles of logistics service providers, logistics education operators and logistics associations? How should supply chain operations be managed? How is a sustainable and innovative supply chain structure created? Comparative practical case studies from Asia, North America and Latin America lend weight to the chapters.

The Potentials and Challenges of the Northern Sea Route

Market Structures and Network Configurations

Review of Maritime Transport 2020

Handbook of Research on Military, Aeronautical, and Maritime Logistics and Operations

The Role of the Container in the Supply Chain

Whilst the maritime container business has been studied in depth, the impact on shippers and how shippers deal with the given challenges has not been fully examined. Container Logistics bridges this gap and looks at the maritime business from a customer's perspective. The book examines the challenges, solutions and the latest developments in the container industry as well as the interaction between the different actors involved, such as freight forwarders, supply chain managers and shippers. Current hot topics from the supply chain and the maritime business perspective are included. From the supply chain perspective, Container Logistics covers areas such as the purchase of transportation services from ocean carriers and transport management, to effective and efficient logistics execution. From the maritime business perspective, the book covers topics such as intermodal freight optimisation and hinterland transportation, and terminal and port optimisation. With the inclusion of clear examples of best practice and bona fide case studies, as well as invaluable contributions from an international team of experts, Container Logistics is an essential guide for supply chain managers and shippers, as well as academics and industry professionals working in the maritime business. Online supporting resources include images from the book and chapter summaries.

Based on in-depth empirical research, this book develops our understanding of maritime transport costs, the maritime industry and the competitiveness of regions in a global market environment through a geographical lens. Further, the book uses a unique set of data that gives an extensive insight into Latin American international maritime transport costs and its determinants. This is a clear call for policy makers and port authorities to strengthen transnational cooperation in order to improve the development of the whole system of maritime transport, focusing on the causes that put regions at risk of becoming peripheral and uncompetitive.

This first book on Maritime Informatics describes the potential for Maritime Informatics to enhance the shipping industry. It examines how decision making in the industry can be improved by digital technology, and introduces the technology required to make Maritime Informatics a distinct and valuable discipline. Based on participating in EU funded research over the last six years to improve the shipping industry, the editors stipulate that there is a need for the new discipline of Maritime Informatics, which studies the application of information systems to increasing the efficiency, safety, and ecological sustainability of the world's shipping industry. This book examines competition and collaboration between shipping companies, and also companies who serve shipping needs, such as ports and terminals.

Practical examples from leading experts give the reader real world examples for better understanding.

Shipping is by far the most significant mode of transportation for the carriage of freight. In terms of volume alone, no other mode comes close. Its dominance is even more overwhelming when distances are accounted for. This book is concerned with the economics of this pivotal mode of transportation. It reveals that the influences on the development and current state of shipping economics research are extremely eclectic. The various chapters in the book represent areas that are of central concern to ongoing research in the field. As such, the book is useful to students, researchers, industrialists, policy makers and consultants. The authors of the contributed chapters are some of the leading names in the world of shipping economics, addressing a number of diverse areas: The econometric modeling of shipping markets; Shipping finance (a critical issue in such a capital intensive industry); Fiscal policy (and its impact on an international industry with great asset mobility) and Safety and security (aspects that have risen to prominence with increasing concerns over the environment and international terrorism). Ultimately, while shipping as a business depends upon trade, it is absolutely certain that the business of trade depends upon shipping. The final two chapters, therefore, incorporate aspects of network economics, welfare economics and international trade theory to analyze where and how shipping sits within the wider perspective of industrial supply chains. Professor Kevin Cullinane, BA BSc MSc PhD FCILT CNI Professor Kevin Cullinane is Chair in Marine Transport and Management at the University of Newcastle in the U.K. He was previously Professor and Head of the Department of Shipping and Transport Logistics at the Hong Kong Polytechnic University, Head of the Centre for International Shipping and Transport at Plymouth University, Senior Partner in his own transport consultancy company and Research Fellow at the University of Oxford Transport Studies Unit. He is a Fellow of the Chartered Institute of Logistics and Transport and has been a transport adviser to the governments of Hong Kong, Egypt, Chile and the U.K. He holds visiting Professorships at a number of institutions and an Honorary Professorship at the University of Hong Kong.

Proceedings of the 6th International Conference LDIC 2018, Bremen, Germany

A Complete Guide to Effective Shipping and Port Management

English Maritime Logistics in the Fourteenth Century

Urban and Maritime Transport XXVII

Shipping the Medieval Military

Maritime Supply Chains breaks the maritime chain into components, consistently relating them to the overall integrated supply chain. The book not only analyzes and provides solutions to frequently encountered problems and key operational issues, it also applies cutting-edge scientific techniques on the maritime supply chain. Sections consider shipping, ports and terminals, hinterland and the issues that intersect different parts of the chain. Readers will find discussions of the various actors at play and how they relate to the overall function of the supply chain. Finally, the book offers solutions to the most pressing problems, thus providing a unique, well-balanced account.

Since 2007, the biennial International Conferences on Dynamics in Logistics (LDIC) relate researchers and practitioners from logistics, operations research, production, industrial and electrical engineering as well as from computer science an opportunity to meet and to discuss the latest developments in this particular research domain. From February 12th to 14th 2020 for the seventh time, LDIC 2020 is held in Bremen, Germany. Similar to its six predecessors, the Bremen Research Cluster for Dynamics in Logistics (LogDynamics) organizes this conference. The spectrum of topics reaches from the dynamic modeling, planning and control of processes over supply chain management and maritime logistics to innovative technologies and robotic applications for cyber-physical production and logistics systems. LDIC 2020 provides a forum for the discussion of advances in that matter. The conference program consists of three invited keynote speeches and 51 papers selected by a severe double-blind reviewing process. Within these proceedings all the papers are published. By this, the proceedings give an interdisciplinary outline on the state of the art of dynamics in logistics as well as identify challenges and solutions for logistics today and tomorrow.

'Maritime business has grown beyond its traditional areas of shipping and ports to its embedment in international supply chains and logistics systems. the collection of original papers found in this book, not only provide a wealth of information on traditional maritime business, but also on its growing role in supply chains and logistics systems. the papers are readable and of consistent quality and should attract academicians and practitioners who seek information about current practices in maritime business and their impacts.' - Wayne K. Talley, Editor-in-Chief, Transportation Research Part E: Logistics and Transportation Review

Turkey is one of the largest and most important shipping and logistics centres in the world. This edited collection brings together industrialists actively involved in the shipping trade with an interdisciplinary team of academics from the region to provide a unique, broad perspective on the industry as a whole. Using Turkey as an in-depth case study, the volume examines issues such as port economics and policy, training and education, ship finance, containerisation and maritime policy in general. This is a useful reference for professionals and academics in both shipping and logistics.

Maritime Economics

Arctic Maritime Logistics

Shipping Economics

Policy Europeanisation in the 1990s

Contemporary Issues

Effective logistics management has played a vital role in delivering products and services, and driving research into finding ever improving theoretical and technological solutions. While often thought of in terms of the business world, logistics and operations management strategies can also be effectively applied within the military, aeronautical, and maritime sectors. The Handbook of Research on Military, Aeronautical, and Maritime Logistics and Operations compiles interdisciplinary research on diverse issues related to logistics from an inclusive range of methodological perspectives. This publication focuses on original contributions in the form of theoretical, experimental research, and case studies on logistics strategies and operations management with an emphasis on military, aeronautical, and maritime environments. Academics and professionals operating in business environments, government institutions, and military research will find this publication beneficial to their research and professional endeavors.

Logistic companies worldwide are facing new challenges in the next decade. Some important challenges and trends of environmental friendly operations in maritime logistics are outlined. The general trends entail, among others, the reduction of CO2/SOx/NOx, the design of more ecological shipping vessels, protect and enhance human health, recycle, re-use and remanufacture etc. A sustainable supply chain donate sustainable development by simultaneously delivering economic, social and environmental benefits – or what has been termed “ the triple bottom line”. A large number of firms have reconfigured their sustainable supply chains to enhance end-customer value and competitive advantage. Implications caused by maritime sector or shipping companies are discussed and illustrated by some examples. A framework of “A.P. Moeller-Maersk environmental strategies” gives a brief insight into those evolutionary logistics operations which propose to reduce the impact of logistical activities. These are new technologies, new policies, new practices and environmental management system. Maritime Transport and Regional Sustainability is a critical examination on how the maritime transport sector helps regions to achieve their sustainability goals, especially focusing on the challenges posed by climate change. This book analyzes maritime transport from multiple perspectives, establishing a strong theoretical framework drawn on evidence from both the developed and emerging economies across the globe. It identifies commonalities that contribute to a coherent transportregion relationship, including how maritime operations, planning, and management impact regional governance. Tracing the vital threads linking transport to its regional surroundings, Maritime Transport and Regional Sustainability analyses the major issues and challenges that maritime transport researchers, planners, and policymakers are facing. Offers the latest original research and theory for transfer into practice Applies evidence and theory drawn from cases across the globe Assesses major governmental maritime infrastructure initiatives and their relation to sustainability Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. Maritime Logistics examines the latest development, knowledge and practices taking place in logistics and supply chain within the port and shipping industry. Written by a team of international experts, who provide a truly global perspective on this increasingly key area of logistics, the book covers everything that students of logistics, as well as those working within the industry should know and understand including shipping lines, dry bulk and port-centric logistics.

Maritime Logistics
Review of Maritime Transport 2016
Shipping and Logistics Management
Container Logistics and Maritime Transport
Maritime Transport and Regional Sustainability

Maritime LogisticsA Guide to Contemporary Shipping and Port ManagementKogan Page Publishers

Knowledge management has been widely applied to various industries as a good strategy to help improve firms' performance. As globalisation accelerates and international trade increases more and more, maritime transport operations have become one of the vital industries to receive large attention from international managers. This is because the managers have perceived that the maritime transport system is an integrated entity within the global logistics and supply chain, and it should be therefore managed in the most efficient and effective ways possible, as an organic body within a global logistics system. Taking this approach, this book examines how maritime transport operators – such as shipping companies, port terminal operators and freight forwarders – could successfully play a role within the global logistics flow wherein they are embedded by improving their logistic value, i.e. maritime logistics value. As per the objective, the current book suggests a knowledge management based solution. It attempts to systematically investigate what types of knowledge are needed in the maritime logistics industry, how maritime operators could effectively acquire the knowledge, and whether the acquired knowledge would help maritime operators enhance maritime logistics value. This book provides not only comprehensive understandings of knowledge management strategy, but also its practical application to the maritime logistics industry. This would therefore be a useful guidebook for the managers, academics, and undergraduate / postgraduate students in the field of maritime transport and global logistics, to help them to gain comprehensive knowledge of the application of knowledge management strategy to the industry.

International maritime transport is the backbone of the world globalized economy. It is a significant contributor to global CO2 emissions but also likely to be affected by wide-ranging and potentially devastating climate change impacts associated with rising sea levels and increased frequency/intensity of extreme weather events. This book offers key information and analysis to anyone interested in learning more about the climate change challenge from the perspective of maritime transport and trade. It covers: - the scientific background - greenhouse gas emissions from international shipping - potential approaches to mitigation in maritime transport - the state of play in terms of the relevant regulatory and institutional framework - potential climate change impacts and approaches to adaptation in maritime transport - relevant cross-cutting issues such as financing and investment, technology and energy. Including contributions from 25 experts from academia, international organizations such as the IMO, the UNFCCC secretariat, OECD, IEA and the World Bank, as well as the shipping and port industries, this is essential reading for professionals in the transport industry, governments and policymakers, trade bodies, investors, as well as researchers and students in the field of climate change and international transport.

This book provides a coherent and systematic view of the key concepts, principles, and techniques in maritime container transport and logistics chains including all the main segments: international maritime trade and logistics, freight logistics, container logistics, vessel logistics, port and terminal management, and sustainability issues in maritime transport. Container Logistics and Maritime Transport emphasizes analytical methods and current optimization models to tackle challenging issues in maritime transport and logistics. This book takes a holistic approach to cover all the main segments of the container shipping supply chains to achieve an efficient and effective logistics service system across the entire global transport chain. Sustainability issues such as social concern and carbon emissions from shipping and ports are also discussed. Each maritime transport segment is addressed using an approach from qualitative/descriptive analytics to quantitative/prescriptive analytics. Cutting-edge optimization models are presented and explained to tackle various strategic, tactical, and operational planning problems. The book will help readers better understand operations management in global maritime container transport chain. It will also provide practical principles and effective techniques and tools for researchers to push forward the frontiers of knowledge and for practitioners to implement decision support systems. It will be directly relevant to academic courses related to maritime transport, maritime logistics, transport management, international shipping, port management, container shipping, container logistics, shipping supply chain, and international logistics.

Perspectives

Container Logistics

Maritime Informatics

Geographies of Maritime Transport

Challenges of maritime logistics in 2030 ; [project]

Maritime transport faces multiple challenges, therefore it requires an interdisciplinary approach in order to respond efficiently to the interaction between diverse agents. This book presents interdisciplinary research, as well as operational experiences, which contribute towards the development of the field.

This two volume book presents an in-depth analysis of many of the most important issues facing today's shipping and port sectors. Volume 1 of Dynamic Shipping and Port Development in the Globalized Economy focuses on the application of theory to practice in Maritime Logistics.

The modern shipping industry has reached maturity; market demand and landscape shifts force industry agents to find new pathways to successful development. The Northern Sea Route (NSR) as a new pathway between Europe and Asia brings both opportunities and challenges to global logistics systems. These circumstances make commercial exploitation of the route a subject of intense focus in many countries actively involved in sea transportation. This book identifies specific problems and provides possible solutions to them by calling on the accumulated knowledge of researchers and practitioners with competencies from diverse areas, including transport and logistics, Arctic studies, IT and digital technologies, socio-economic systems analysis, hydrocarbon production, transport, business modeling, design of information systems and applications, and engineering requirements for IT services. It represents the integrated experience and expertise of researchers from Canada, Germany, Russia, and the Netherlands, including experts from oil and gas enterprises, shipping lines, logistics companies, and IT companies.

Now in its second edition Maritime Economics provides a valuable introduction to the organisation and workings of the global shipping industry. The author outlines the economic theory as well as many of the operational practicalities involved. Extensively revised for the new edition, the book has many clear illustrations and tables. Topics covered include: * an overview of international trade * Maritime Law * economic organisation and principles * financing ships and shipping companies * market research and forecasting.

A Guide to Contemporary Shipping and Port Management

Maritime Transport

Green Logistics

Volume 1: Applying Theory to Practice in Maritime Logistics

Special Issue: Maritime Logistics and Global Supply Chains

This timely book discusses the recent developments in maritime logistics, an important specialized area for the global economy. It includes issues such as the recent economic crisis, port competition and development, and provides insights and trends relating to these issues. Consisting of renowned researchers worldwide, the primary objective of the book identifies some of the new problems and challenges faced and innovative solutions to address these problems.

These proceedings contain research presented at the 6th International Conference on Dynamics in Logistics, held in February 2018.The integration of dynamics within the modeling, planning and control of logistic processes and networks has shown to contribute massively to the improvement of the latter. Moreover, diversification of markets and demand has increased both the complexity and the dynamic changes of problems within the area of logistics. To cope with these challenges, it must become possible to identify, describe and analyze such process changes. Moreover, logistic processes and networks must be revised to be rapidly and flexibly adaptable to continuously changing conditions. This book presents new ideas to solve such problems, offering technological, algorithmic and conceptual improvements. It primarily addresses researchers and practitioners in the field of industrial engineering and logistics.

Shipping and Logistics Management serves to consolidate the knowledge its authors have acquired from being educators and observers of the shipping industry. Against the background of a global business environment, it explains how the shipping market functions, examining the strategic and operational issues that affect entrepreneurs in this industry. The authors discuss global trends and strategies in the shipping business, looking at the role of logistics service providers and at how the use of information technology can help shipping operations. Shipping and Logistics Management also aims to answer several important questions in the shipping industry, including: what are the shipping cost structures?, what are the patterns of sea transport? and how do companies in the shipping industry operate? An invaluable source of information for researchers and advanced, or graduate, students, Shipping and Logistics Management is also a useful reference for shipping practitioners and consultants.

In common with previous issues, the 2012 Review contains critical analysis and a wealth of unique data, including long-term data series on seaborne trade, fleet capacity, shipping services and port handling activities. This year's Review notes that world seaborne trade grew by 4 per cent in 2011, whereas the tonnage of the world fleet grew at a greater rate, by almost 10 per cent, as shipowners took delivery of vessels that had been ordered before the economic crisis began. With supply outstripping demand, freight rates fell even further, to unprofitable levels for most shipping companies. For importers and exporters, however, the low freight rates helped to reduce transaction costs, which is important for helping to revive global trade. As freight traffic continues to grow, the question of how to ensure the long-term sustainability of such growth is playing an increasingly important part in the policy debate on globalisation, trade and development, environmental sustainability, energy security and climate change. Reflecting these new realities, this year's Review of Maritime Transport addresses a range of relevant issues in this context and includes a special chapter on sustainable freight transport. This chapter highlights the impacts of freight transport activity, for example on the environment, human health and the climate, and the consequent need to reduce the sector's energy consumption and emissions. If left unchecked, such unsustainable patterns are likely to intensify, increasing the potential for global energy and environmental crises, and risk undermining progress being made on sustainable development and growth. Promoting a shift towards sustainable freight transport will help improve the sector's energy efficiency, reduce its heavy reliance on oil, and limit environmental and climate change impacts. In this context, developing effective policies and measures, including for the purpose of climate change mitigation and adaptation, and ensuring appropriate financing, are major challenges, especially for developing countries

Review of Maritime Transport 2012

International Maritime Transport

Best Practices in Maritime Logistics sector to reduce environmental impact

International Handbook of Maritime Business

Maritime Supply Chains

Mariners made a major - but neglected - contribution to England's warfare in the middle ages. Here their role is examined anew, showing their importance.

This series contains the decisions of the Court in both the English and French texts.

Better urban transport systems and the need for a healthier environment are continuous requirements that create a fertile atmosphere for original ideas, innovative approaches and applications of advanced technologies, their tests and evaluations in practice. Moreover, there is a growing need for integration with IT systems and applications to improve safety and efficiency. Meanwhile, the substantial growth of maritime shipping has resulted in large transported quantities around the world, creating a demand for innovative solutions for ports and fleets. The apparently parallel topics of Urban Transport and Maritime Transport meet in the transport and environmental management of coastal cities, both being affected positively and negatively by landslide and seaside traffic. Maritime Transport is highly interconnected with rail, road and air services, as well as inland waterways. Each of these must therefore operate complimentary of one another to maximise efficiency and respond rapidly to variable economic and political contingencies. The variety of topics covered in this volume reflects the complex interaction of transport systems with their environment and the need to establish integrated strategies. The goal is to arrive at optimal socio-economic solutions while reducing the negative environmental impacts of transportation systems typically by interdisciplinary approaches.

The importance of the international maritime transport industry is difficult to overstate. This new book presents an interdisciplinary approach from a wide range of internationally-based experts. International Maritime Transport represents a radical departure from previous works in its structure and approach. The section editors each discuss the state of the art in the opening chapter, before introducing a selection of works providing a wide-ranging analysis of the subject. Wide discretion of approach has provided literary freedom for individual opinion and analysis within the overall framework: this permits a level of innovation which is perhaps stifled by the more standardized model. Whilst each perspective can be seen as exclusive, together they form a comprehensive volume of issues in contemporary maritime transport. Topics covered include: ports as interfaces, logistics, manpower and skills, financial risk and opportunities, the regulatory framework. Each chapter contains an introduction which explains the context of the chapter within the book and the contemporary state of the art. Under the editorship of maritime experts James McConville, Alfonso Morvillo and Heather Leggate, the book is sure to be of interest to students and academics working on maritime studies, as well as being useful to professionals and policy makers in the maritime industry.

Principles of Global Supply Chain Management

Advances in Maritime Logistics and Supply Chain Systems

Maritime Transport and the Climate Change Challenge

International Maritime Transport Costs

Contemporary practice and scientific innovation consider the logistics aspects of shipping or maritime and seaport operations as one of the most important areas for future development of competitive advantages in business and for study and research. This book is the first of its kind, adopting the innovative approach of dealing with the overlap between shipping, ports and logistics and covering the current issues having a significant impact on the industry. It brings together leading authorities in the field to consider for the first time maritime logistics, and in doing so it defines the area, registers its boundaries and contributes to its development. Contributions cover holistically a broad range of major topics at the forefront of practice, research and scholarship in the shipping and port industry in terms of its relevance to logistics management. Topics include: CSR aspects of maritime logistics; green, sustainable and environmental issues in maritime logistics; network development of shipping and ports as major players in the industry; security aspects of maritime logistics and supply chains; IT in maritime logistics; and supply chain oriented port and its performance.

Master the key technological developments, risks and threats within maritime logistics using the formative approach presented by this key textbook.

The Review of Maritime Transport is an UNCTAD flagship publication, published annually since 1968. It provides an analysis of structural and cyclical changes affecting seaborne trade, ports and shipping, as well as an extensive collection of statistical information. The present edition of the Review of Maritime Transport takes the view that the long-term growth prospects for seaborne trade and maritime businesses are positive, with ample opportunities for developing countries to generate income and employment and help promote foreign trade.

Shipping Logistics and Operations

The Common EU Maritime Transport Policy

Maritime Logistics Value in Knowledge Management

The Routledge Handbook of Maritime Management

Applications and Cases