Maritime Logistics

Getting the Goods

Trade and transport corridors are fundamental to the overland movement of international trade, particularly for landlocked countries. This book provides tools and techniques for the effective movement of goods and transport across borders.

Maritime Logistics in Knowledge Management

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 highlights 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.

Maritime Logistics

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

Introduction to Marine Cargo Management

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.

Freight Forwarding and Multi Modal Transport Contracts

With 80 percent of the world's commodities being transported by water, ports are the pillars of the global economy. Port Management and Operations offers readers the opportunity to enhance their strategic thinking and problem-solving skills, while developing market foresight. It examines global port management practices at the regulatory, commercial, technological, operational, financial, and sociopolitical levels. This powerful sourcebook describes how seaports are being affected by the changes occurring nationally, regionally, and globally. Evaluating the new regulatory framework, it pinpoints the industry's implementation readiness and identifies potential problem areas. The book classifies the spectrum of interrelated port management principles, strategies, and activities in a logical sequence and under four cornerstones—Port Strategy and Structure, Legal and Regulatory Framework, Input: Factors of Production, and Output and Economic Framework. Detailing best practices and the latest industry developments, the book highlights emerging challenges for port managers and identifies opportunities to develop forward-thinking strategies. It examines the effectiveness of current strategies, tactics, tools, and resources of numerous global ports and highlights the necessity of adopting a proactive stance in harmonizing the laws, regulations, and policies pertaining to the maritime, oil, and gas industries. The shipping industry has myriad complexities and this book provides maritime managers and professionals with the wide-ranging and up-to-date understanding required to thrive in today's highly competitive and evolving environment.

Bills of Lading

Effective logistics management has played a vital role in delivering products and services, and driving research into finding ever improving theoretical and technological solutions. Whilst the business environment 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.

Maritime 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.

Maritime Logistics

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

Container Logistics and Maritime Transport

Cargo management, especially in the maritime sphere, plays a vital role in the transfer of goods between seller and buyer. However, despite over 90% of the world's international trade being conducted by sea, often very little is known about this subject by either party. This unique text provides a clear and comprehensive introduction to the principal elements involved in the management of marine cargo and the carriage of goods by sea. Not only does it analyse key theories and debates in the maritime freight sector, it is equally instructive on practice and logistics. Furthermore, the book provides a thorough guide to the roles and responsibilities of all parties involved in this dynamic industry. This second edition has been fully revised and updated to incorporate the very latest changes in cargo management legislation and procedures, including: Offshore oil & gas supply management The revised INCOTERMS 2010 Tramp shipping and spot cargo trading Project cargo management Dry and liquid bulk cargo management The IMDG Code and the carriage of dangerous and hazardous goods Cabotage Salvage Risk management and best practice This is an essential guide for shipping professionals, academics and students of marine logistics, and international trade.

Getting the Goods

Trade and transport corridors are fundamental to the overland movement of international trade, particularly for landlocked countries. This book provides tools and techniques for the...
Handbook of Logistics and Supply-Chain Management

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 ways in which freight is transported by sea and the role of ports in this exchange. Maritime Logistics examines the latest developments, 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, this 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 Economics

Freight Forwarding and Multimodal Transport Contracts, 2nd Edition, is a comprehensive guide to the law in relation to contract forms and terms created by operators, trade associations or international bodies such as the UN and used as a basis for trading conditions by forwarders, logistics suppliers, combined or multimodal transport operators and forwarders. The second edition examines both where their contracts are primarily supplied or procurement of multimodal carriage, as well as where they are directed to the use of combined transport equipment (ie containers, swap bodies). Of particular prominence will be a detailed examination of the latest versions of conditions used by the principal UK forwarding, logistics, intermodal and container operators such as the British International Freight Association (BIFA) conditions 2005A and the current Freightliner Conditions as well as updates on many of the conditions in use and legal developments relevant to them, eg Road Haulage Association Conditions 2009, Maersk Conditions of Carriage, TT Club Conditions.

International Handbook of Maritime Business

Warehouses are an integral link in the modern supply chain, ensuring that the correct product is delivered in the right quantity, in good condition, at the required time, and at minimal cost: in effect, the perfect order. The effective management of warehouses is vital in minimizing costs and ensuring the efficient operation of any supply chain. Warehouse Management is a complete guide to best practice in warehouse operations. Covering everything from the latest technological advances to current environmental issues, this book provides an indispensable companion to the modern warehouse. Supported by case studies, the text considers many aspects of warehouse management, including: cost reduction, productivity, people management, warehouse management with helpful tools, hints and up-to-date information. Warehouse Management provides an invaluable resource for anyone looking to reduce costs and boost productivity.

Shipping Operations Management

"Professor Burns has captured the essence of transportation security, one of today's most pressing concerns. As the rate of globalization and world trade increases, security and supply chain resilience are at the core of one's global transportation network. This is a timely and well written contribution to the industry." John A. Moseley, Senior Dir.

Shipping and Logistics Management

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 ways 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. The book includes contributions from leading practitioners and academics in the field. The new edition includes a variety of new contributors, including: A. Michael Knemeyer, Associate Professor of Logistics, Fisher College of Business, The Ohio State University; John P. Saldana, Assistant Professor of Logistics, Fisher College of Business, The Ohio State University; Prof. Dr. Michele Acciaro, Assistant Professor of Maritime Logistics, THE KLU, Hamburg; Prof. Dr. Joern Meissner, Professor of Supply Chain Management & Pricing Strategy, THE KLU, Hamburg.

Review of Maritime Transport 2020

An essential reference for merchant seamen around the world, Cargo Work provides a guide to the key characteristics of a wide range of cargoes. Fully revised and expanded to comprehensively reflect the unit load containerised systems that are now employed in all aspects of cargo handling and international shipping, while retaining the necessary detail on traditional cargo handling and stowage safety, efficiency and productivity. This book is the definitive text. This book covers every type of cargo, types, coverage of roll-on/roll-off cargo handling, containerisation, equipment and offshore supply. A crucial reference for both students and serving crew Covers the latest International Maritime Organisation (IMO) codes, plus key elements of the International Port and Ship Security Code (ISPS) Includes two new chapters on Passenger Vessels and Offshore Traders

Port Engineering

In Getting the Goods, Edna Bonacich and Jake B. Wilson focus on the Southern California ports of Los Angeles and Long Beach—which together receive 49 percent of the nearly $2 trillion worth of goods imported annually to the United States—to examine the impact of the logistics revolution on workers in transportation and distribution. Built around the interviews and communications technology, the logistics revolution has enabled giant retailers like Wal-Mart and Target to sell cheap consumer products made using low-wage labor in developing countries. The goods are shipped through an efficient, low-cost, intermodal freight system, in which containers are moved from factories in Asia to distribution centers across the United States without ever being opened. Bonacich and Wilson follow the flow of imports from Asian factories, exploring the roles of importers, container shipping companies, the ports, railroad and trucking companies, and warehouses. At each stage, Getting the Goods raises important questions about how the logistics revolution affects workers. Drawing extensively on interviews with workers and managers at all levels of the supply chain, on industry reports, and on economic data, Bonacich and Wilson find that, in general, conditions have deteriorated for workers. But they also discover that changes in the system of production and distribution provide new strategic opportunities for labor to gain power. A much-needed corrective to both sacrificial celebrations of containerization and the global economy and pessimistic predictions about the future of the U.S. labor movement, Getting the Goods will become required reading for scholars and students in sociology, political economy, and labor studies.

The Due Diligence in Maritime Transportation in the Technological Era

Sea freight remains overwhelmingly the most common form of transport for goods globally. Grasp the core theories and understand the latest research in maritime logistics, along with how this field operates and contributes to global supply chains, with this key textbook. Maritime Logistics provides a complete overview of the core concepts within this discipline from an international expert contributor. This textbook examines the recent developments in the ports and shipping industries including supply chain strategies and emerging, innovative practices. Designed for maritime students and professionals, the structure offers a complete approach with an emphasis on developing a well-rounded knowledge and understanding of the field. The third edition is fully updated with new content on maintenance optimization, supply chain integration, economies of scale within liner shipping and port performance and management. In addition, this edition examines new technologies, considers new and existing risks to the maritime supply chain as well as where they are directed to the use of combined transport equipment (ie containers, swap bodies). Of particular prominence will be a detailed examination of the latest versions of conditions used by the principal UK forwarding, logistics, intermodal and container operators such as the British International Freight Association (BIFA) conditions 2005A and the current Freightliner Conditions as well as updates on many of the conditions in use and legal developments relevant to them, eg Road Haulage Association Conditions 2009, Maersk Conditions of Carriage, TT Club Conditions.

Trade and Transport Corridor Management Toolkit

Knowledge management has been widely applied to various industries as a good strategy to help improve firms’ performance. As globalization 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 lines, port terminal operators and freight forwarders — could successfully play a role within the global logistics flow whereas 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 will help maritime logistics operators to enhance their performance. The book provides new insights on this important topic 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.

Port Business

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, waterfrent 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...
access free maritime logistics a complete guide to effective shipping and port management

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 that affect system operation and to establish a systematic framework 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 system. The island port problem is also addressed. Chapter 7 develops 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 robust control technology. Chapter 8 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 systemically 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 value. Chapter 11 proposes a hybrid Fuzzy Delphi-TOPSIS based methodology with a sensitivity analysis. Finally, Chapter 12 deals 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).

Maritime Logistics

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 practications 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.

Container Logistics

This book focuses on the management of shipping operations, an activity that requires integrative knowledge and technical expertise that spans various disciplines. As such, ship operations personnel are expected to be well-versed with aspects of management, economics, engineering, technology and law. Further, ship operations management requires the ability to identify and neutralize threats and to manage risks and make decisions that will optimize costs and contribute to performance improvements. Despite the fundamental nature of ship operations management, no book has ever attempted to reconcile and compile a comprehensive body of knowledge, while pursuing a coherent, structured and systematic approach. This edited volume addresses fundamental gaps in the extant literature, and brings together a wealth of knowledge from experts in their respective fields. Concretely, it explores issues of organization, technical management, crewing and behavioral issues, chartering and post fixture, risk management, finance, legal aspects of international conventions and regulations, attainment of safety, security and marine insurance, as well as ocean governance and sustainability. As such, the book offers a vital reference guide for maritime companies and organizations, while also serving as a teaching supplement in academic and professional maritime programmes.

Geographies of Maritime Transport

'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 academics 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

Routledge Handbook of Transport in Asia

Designed for students, young managers and seasoned practitioners alike, this handbook explains the nuts and bolts of the modern logistics and distribution world in plain language. Illustrated throughout, this second edition now includes chapters on areas previously not covered, such as: intermodal transport; benchmarking; environmental matters; and vehicle and depot security.

Port Management and Operations

Asian transportation systems and services, as well as their usage, are fraught with challenges. This handbook therefore seeks to examine the possible solutions to the problems faced by the region. It illustrates the history and transportation development in Asia and provides a comprehensive overview of research on urban and intercity transport. Presenting an extensive literature review and detailed summaries of the relevant findings and methodologies, this book also offers suggestions for future research activities from top-level international researchers. Written from an interdisciplinary perspective, the topics covered include: Transportation systems across Asia; Traffic accidents; Air pollution; Land use and logistics; Transport governance. Considering the population and economic development scale, as well as the diverse cultures of Asia, the Routledge Handbook of Transport in Asia will be a valuable resource for students and scholars of transportation, Asian development and Asian Studies in general.

Handbook of Ocean Container Transport Logistics

This comprehensive book covers all major aspects of the design and maintenance of port facilities, including port planning, design loads for today’s larger vessel size, seismic design guidelines, and breakwater design. New material addresses environmental concerns, the latest developments on inter-modal hubs and transfer points, and the latest information on port security and procedures being implemented around the world.

The Handbook of Logistics and Distribution Management

This handbook provides a wide-ranging, coherent, and systematic analysis of maritime management, policy, and strategy developments. 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 tool, and slow steaming in the dry bulk 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.

Review of Maritime Transport 2016

This book is focused on the impact of ocean transport logistics on global supply chains. It is the first book solely dedicated to the topic, linking the interaction of parties along this chain: customers, terminal operators and line carriers. While ocean container transport logistics has been greatly studied, there are many important issues that have yet to receive the attention they deserve. The editors and contributing authors of Ocean Container Transport Logistics: Making Global Supply Chain Effective seek to address these topics and shed new light on the subject. The book is divided into three parts. Part I examines the innovation, trends, competition and business model of container terminal operations. In Part II, the book looks at how tactical and operational management is used in shipping lines. The chapters cover topics such as empty container repositioning, slow steaming, routing, network design and disruption management. Finally Part III explores at shippers and global supply chain management, with chapters on transportation service procurement, hinterland transportation, goods security, as well as competition and co-operation in maritime logistics operations. The eighteen chapters of the book all highlight the immediate implications that new research has on supply chain management.

Business and Economics of Port Management

The authors use case material 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 that affect system operation and to establish a systematic framework 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. The island port problem is modeled. Chapter 7 develops 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 robust control technology. Chapter 8 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 systemically 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 value. Chapter 11 proposes a hybrid Fuzzy Delphi-TOPSIS based methodology with a sensitivity analysis. Finally, Chapter 12 deals 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).

Maritime Logistics

This book is the founding title in the Grammenos Library. The diversity of the subjects covered is a result of the research developed over many years are not only comprehensive, but also have important implications on real life issues in maritime field.

The Handbook of Maritime Economics and Business

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. The Handbook of Maritime Economics and Business will present 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 system tools that will be directly relevant to academic courses related to maritime transport, maritime logistics, transport management, international shipping, port management, container shipping, container logistics, supply chain, and international logistics.

Developments in Maritime Transport and Logistics in Turkey

How shipping is central to the very fabric of global capitalism. In our networked world, the realities governing the international movement of freight are easily forgotten. But maritime transport remains the bedrock of trade. Conveys constantly crisscross the oceans, carrying gas, oil, ore - indeed, every type of consumable and commodity. These movements, though practically invisible, mean that control of the seas is vital in an age when no nation can survive on domestic products alone. Professor and author Laleh Khalili travelled the Mediterranean, the Red Sea, and the Indian Ocean aboard gigantic container ships to investigate the secretive and sometimes dangerous world of maritime trade. What she discovered was strangely disturbing: brutalized seafarers enduring loneliness and risking injury to keep the cogs of trade turning. In the Arabian peninsula’s ports, forgotten places encircled by barbed wire and moats of highways, the dockers struggle for benefits and political rights, as they have for generations. Environmental catastrophes threaten with increasing intensity and frequency. Around the oil-trading nations of the Middle East, a history of British colonialism, modern US imperialism, and local autocracies combine to worsen the conditions of modern seafarers, and piracy persists near the Horn of Africa. From her research riding the sea lines and visiting the major Middle Eastern ports, Khalili has produced a book that exposés the fragile and tense sinewes of modern capital, a physical network without which none of our more abstract webs and systems could operate.

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

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.

The Routledge Handbook of 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.

Logistics and Transportation Security

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.

Multi-Criteria Decision Making in Maritime Studies and Logistics

In the last 25 years, information systems have had a disruptive effect on society and business. Up until recently though, the majority of passengers and goods were transported by sea in many ways similar to the way they were at the turn of the previous century. Gradually, advanced information technologies are being introduced, in an attempt to make shipping safer, greener, more efficient, and transparent. The emerging field of Maritime Informatics studies the application of information technology and information systems to maritime transportation. Maritime Informatics can be considered as both a field of study and domain of application. As an application domain, it is the outlet of innovations originating from data science and artificial intelligence; as a field of study, it is positioned between computer science and marine engineering. This new field's complexity lies within this duality because it is faced with disciplinary barriers yet demands a systemic, transdisciplinary approach. At present, there is a growing body of knowledge that remains undocumented in a single source or textbook designed to assist students and practitioners. This highly useful textbook/reference starts by introducing required knowledge, algorithmic approaches, and technical details, before presenting real-world applications. The aim is to present interested audiences with an overview of the main technological innovations having a disruptive effect on the maritime industry, as well as to discuss principal ideas, methods of operation and applications, and future developments. The material in this unique volume provides requisite core knowledge for undergraduate or postgraduate students, employing an analytical approach with numerous real-world examples and case studies.

Guide to Maritime Informatics

This book discusses the problem of sea carriers’ liability, with a particular focus on role of the technologies that have been employed to support maritime transport in recent decades. It examines the Hague Rules, providing an overview of the precedent standard of liability, its historical development up until its application, and its construction at the current time. To do so, it presents two exemplary studies from English and American case law, and analyzes the situations in which the courts have required the application of new technologies as part of the duties set in the current governing liability regime. Written in an easy-to-follow style, the book offers not only an unique overview of the applications of technologies in making ships both seaworthy and cargo-worthy, but also a practice-oriented guide to understanding and making decisions about sea carriers’ liability. It is intended for law practitioners as well as advanced graduate students and researchers in the field of maritime shipping, transport and insurance law.

Sinews of War and Trade

Bills of lading form an essential part of the carriage of goods by sea and international trade. Their multifunctional nature, together with the large volume of case law and regulation, make the law in this field as complex is it is commercially vital. This bestselling book provides a detailed analysis of the law and practice applicable to bills of lading before, during and after shipment, helping today’s busy practitioner to quickly and easily find the information they need. This book has been fully revised and updated with all of the major developments since its first edition, including: Reference to increasingly significant Singapore and Far-Eastern decisions; Analysis of new developments in seaworthiness, from vetting and appraisal. An expert analysis of the topical issues of vulnerability and piracy attacks; Detailed examination of misdelivery, fraudulent or forged bills of lading, and delivery without production of a bill of lading; Revised coverage of conflicts and procedural matters, including anti-suit injunctions, jurisdiction battles and the scope of arbitration Reference to relevant European law relating to issues of jurisdiction and procedure Comprehensive treatment of Switched bills, transhipment, house bills, deck carriage and container cargo; New material on the practical implications of electronic bills of lading This text continues to provide an indispensable reference for maritime practitioners and institutions worldwide.

Warehouse Management

This volume contains commissioned refereed papers that cover the main elements of transport logistics. The authors were selected from around the world and asked to provide critiques of their subject areas as well as a review of the state of the art and case study examples.

Cargo Work

Port Business is essential reading for all those with an interest in trade and transportation and the role of ports in the global supply chain. It discusses the various types of ports in existence, identifies the major ports per category, analyses what the key business drivers are, describes their governance, how they are managed, which trends influence them, and what kind of impact they have on supply chains. Dr. Jürgen Sorgenfrei uses his significant consulting and project development experience within the international ports, shipping, rail & logistics sector, and in global economics, trade, analytics, and forecasting as well as in international hinterland transport to provide this comprehensive overview of port management.

The book is a combination of a strong background in principles and practical knowledge and is an indispensable resource for those interested in maritime economics.