

## The Handbook Of Maritime Economics And Business The Grammenos Library

This volume explores options for a sustainable maritime domain, including maritime transportation, such as, Maritime Spatial Planning (MSP), maritime education and training, maritime traffic and advisory systems, maritime security. Other activities in the maritime domain covered in the book include small-scale fisheries and sustainable fisheries, and greening the blue economy. The book aims to provide the building blocks needed for a framework for good ocean governance; a framework that will serve through the next decade and, and hopefully, well beyond the 2030 milestone of the UN Agenda for Sustainable Development. In short, this book brings together the problems of the current world and sustainable solutions that are in the development process and will eventually materialize in the not so distant future. Additionally, the book presents a trans-disciplinary analysis of integral sustainable maritime transportation solutions and crucial issues relevant to good ocean governance that have recently been discussed at different national, regional and international fora, highlighting ongoing work to develop and support governance systems that facilitate industry requirements, and meet the needs of coastal states and indigenous peoples, of researchers, of spatial planners, and of other sectors dependent on the oceans. The book will be of interest to researchers across many disciplines, especially those that are engaged in cross-sectoral research and developments in the maritime transport sector and across the wider maritime domain. To this end, the book covers areas including natural and social sciences, geographical studies, spatial planning, maritime security and gender studies, as they relate to transport and the wider maritime sector. In addition, the book explores frameworks for sustainable ocean governance being developed under the UN's Agenda for Sustainable Development to 2030. It will also look beyond the 2030 milestone under that Agenda, and will be of use to national and international policymakers and practitioners, government actors at the EU and other regional and national levels and to researchers of ocean governance, sustainability and management, and 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 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

In a time when threats against the maritime community have never been greater, *Maritime Security: Protection of Marinas, Ports, Small Watercraft, Yachts, and Ships* provides a single, comprehensive source of necessary information for understanding and preventing or reducing threats to the maritime community. The book defines what comprises the maritime community, including marinas, ports, small watercraft, yachts, and ships. It focuses on the protection of these rather than the protection of cargo in the maritime supply chain, since with the protection of the infrastructural elements it follows that the cargo is secured. In identifying and discussing threats to security, the book includes natural threats such as storms as well as traditional criminal threats and

piracy, with especially detailed examinations of terrorism and cybersecurity. It also introduces the US Coast Guard America's Waterway Watch program, describing the components of the program, its implementation throughout the maritime community, and its successes. By dealing with the security of all areas within the maritime community, Maritime Security is highly valuable to all members of the community, from the local boater to professionals charged with the protection of major ports and seagoing vessels. It gives you the skills to understand, identify, analyze, and address natural and man-made threats to localized or broad sections in the maritime community.

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.

The International Handbook of Shipping Finance is a one-stop resource, offering comprehensive reference to theory and practice in the area of shipping finance. In the multibillion dollar international shipping industry, it is important to understand the various issues involved in the finance of the sector. This involves the identification and evaluation of the alternative sources of capital available for financing the ships, including the appraisal and budgeting of shipping investment projects; legal and insurance aspects of ship finance; the financial analysis and modelling of investment projects; mergers and acquisitions; and the commercial and market risk management issues involved. Edited by two leading academics in this area, and with contributions from 25 prominent market practitioners and academics over 16 chapters, this Handbook covers shipping finance and banking, maritime financial management and investments. As such, it includes: shipping markets; asset backed finance; shipbuilding finance; debt finance; public and private equity and debt markets; structured finance; legal aspects and key clauses of ship mortgages; marine insurance; mechanisms for handling defaulted loans; investment appraisal and capital budgeting; financial analysis and investment modelling; business risk management and freight derivatives; and mergers and acquisitions. Thus, the Handbook offers a rigorous

understanding of the different aspects of modern shipping finance and maritime financial management and investments, the various characteristics of the available products, the capital needs and requirements, and a clear view on the different financial management strategies through a series of practical examples and applications. Technical where appropriate, but grounded in market reality, this is a “must-have” reference for anyone involved in shipping finance, from bank practitioners and commodity trading houses, to shipbrokers, lawyers and insurance houses as well as to university students studying shipping finance. Table of Contents Preface by Editors Manolis Kavussanos, Professor, Director, MSc in International Shipping, Finance and Management, Athens University of Economics and Business, Greece Ilias Visvikis, Professor, Director Executive Education and Professional Development, World Maritime University, Sweden Chapter 1: Shipping Markets and their Economic Drivers Jan-Henrik Huebner, Head of Shipping Advisory, DNV GL, Germany Chapter 2: Asset Risk Assessment, Analysis and Forecasting in Asset Backed Finance Henriette Brent Petersen, Head of Shipping & Offshore Research, DVB Bank SE, The Netherlands Chapter 3: Overview of Ship Finance Fotis Giannakoulis, Research Vice President, Morgan Stanley, USA Chapter 4: Shipbuilding Finance Charles Cushing, C.R. Cushing & Co. Inc., USA Chapter 5: Debt Financing in Shipping George Paleokrassas, Partner, Watson, Farley & Williams, Greece Chapter 6: Public Debt Markets for Shipping Basil Karatzas, Founder & CEO, Karatzas Marine Advisors & Co., USA Chapter 7: Public and Private Equity Markets Jeffrey Pribor, Global Head, Maritime Investment Banking, Jefferies LLC, USA Cecilie Lind, Associate Investment Banking, Jefferies LLC, USA Chapter 8: Structured Finance in Shipping Contributor: Ioannis Alexopoulos, Director, Shipping Financier, Eurofin Group, Greece Nikos Stratis, Managing Director of Augustea Group, UK Chapter 9: Key Clauses of a Shipping Loan Agreement Kyriakos Spoullos, Solicitor, Norton Rose Fulbright, Greece Chapter 10: Legal Aspects of Ship Mortgages Simon Norton, Lecturer, Cardiff Business School, UK Claudio Chistè, Investec Bank Plc., UK Chapter 11: Reasons and Mechanics of Handling Defaulted Shipping Loans and Methods of Recovery Dimitris Anagnostopoulos, Board Member & Director, Aegean Baltic Bank, Greece Philippos Tsamanis, VP - Head of Shipping, Aegean Baltic Bank, Greece Chapter 12: Marine Insurance Marc Huybrechts, Professor, University of Antwerp, Belgium Theodora Nikaki, Associate Professor, Swansea University, UK Chapter 13: Maritime Investment Appraisal and Budgeting Wolfgang Drobetz, Professor, University of Hamburg, Germany Stefan Albertijn, CEO, HAMANT Beratungs-und Investitions GmbH, Germany Max Johns, Managing Director, German Shipowners' Association, Germany Chapter 14: Financial Analysis and Modelling of Ship Investments Lars Patterson, Shipping Investment Analyst, Pacomarine Limited, UK Chapter 15: Maritime Business Risk Management Manolis Kavussanos, Professor, Director, MSc in International Shipping, Finance and Management, Athens University of Economics and Business, Greece Ilias Visvikis, Professor, Director Executive Education and Professional Development, World Maritime University, Sweden Chapter 16: Mergers and Acquisitions in Shipping George Alexandridis, Associate Professor, ICMA Centre, University of Reading, UK Manish Singh, Manish Singh, Group Director - Strategy and M&A, V. Group Limited, UK

This book examines the nexus between maritime security and the 'blue economy' in sub-Saharan Africa. In recent years, maritime security issues have received increasing attention, but academic and policy-related discussions are largely limited to

counter-piracy operations and, to a smaller extent, problems related to illegal fishing. This project offers an essential addition to the current academic and political discourse, combining a broad range of statistics with primary research and findings from more than 40 interviews with key stakeholders. It provides a unique analysis, recognizing that maritime security is not an end in itself but rather linked to economic and immaterial benefits of a more secure environment at sea.

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.

Marine extremes, as they are conceived of in this volume, encompass environments, activities, events and impacts. Extreme environments found in and around our oceans, including the deep sea and seabed as well as the frozen polar regions, are being seriously affected by both extreme behaviours (dumping and discharge of waste, illegal fishing and piracy) and extreme events (storms, tsunamis, extreme waves and marine heatwaves). The aim of this book is to highlight the multi-disciplinary knowledge and inputs needed to address marine extremes and thereafter to explore opportunities and current challenges. Safe and healthy oceans are important for economic, recreational and cultural activities, in addition to the maintenance of ecosystem services upon which we rely. This volume gathers a unique mix of researchers working on scientific aspects of biological ecosystems and physical processes together with social scientists exploring law and governance options, community preferences, cultural values, economic aspects and criminological drivers and approaches. The multi-disciplinary feature of this book breaks down barriers that arise between disparate fields of research so that integrated solutions to ocean challenges can be found. Overall, this book argues that if we are to achieve sustainable utilisation of our oceans and blue economy goals we must better understand, and respond to, the extreme environments, activities, events and impacts. The book is a valuable addition to the literature and will be of interest to researchers in marine science, ocean governance and natural resource economics, as well as to professionals and government

officials concerned with marine policy and planning.

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.

With advances in technology and maritime transport, human use of the ocean now extends beyond the traditional activities of navigation and fishing. Emerging activities such as bioprospecting, deep seabed mineral and hydrocarbon exploration and exploitation, offshore renewable energy developments and marine scientific probes of deep sea areas challenge the applicability of maritime law and policy in new ways. This handbook examines current regulatory and enforcement instruments and mechanisms for different sectors of maritime activity. Covering various jurisdictions, its specially commissioned chapters are authored by some of the world's foremost authorities on maritime law, and offer unique perspectives on maritime law, policy and practice. This highly relevant collection is organised into four parts: • International Law Considerations in Maritime Regulation and Enforcement • Role of States and other International Actors

in Maritime Regulation and Enforcement • Regulation and Enforcement in Different Maritime Sectors • Current Issues and Future Challenges This comprehensive reference work will be of interest to scholars and students of maritime law, practitioners and non-lawyers interested in the regulation of offshore areas, as well as policy-makers.

Port Economics, Management and Policy provides a comprehensive analysis of the contemporary port industry, showing how ports are organized to serve the global economy and support regional and local development. Structured in nine sections, this textbook examines a wide range of seaport topics, covering maritime shipping and international trade, port terminals, port governance, port competition, port policy and much more. Key features of the book include its: - Multidisciplinary perspective, drawing on economics, geography, management science and engineering - Multisector analysis including containers, bulk, break-bulk and the cruise industry - Focus on the latest industry trends, such as supply chain management, automation, digitalization and sustainability Benefitting from the authors' extensive involvement in shaping the port sector across five continents, this text provides students and scholars with a valuable resource on ports and maritime transport systems. Practitioners and policymakers can also use this as an essential guide towards better port management and governance.

The Routledge Handbook of Maritime Trade around Europe 1300-1600 explores the links between maritime trading networks around Europe, from the Mediterranean and the Atlantic to the North and Baltic Seas. Maritime trade routes connected diverse geographical and cultural spheres, contributing to a more integrated Europe in both cultural and material terms. This volume explores networks' economic functions alongside their intercultural exchanges, contacts and practical arrangements in ports on the European coasts. The collection takes as its central question how shippers and merchants were able to connect regional and interregional trade circuits around and beyond Europe in the late medieval period. It is divided into four parts, with chapters in Part I looking across broad themes such as ships and sailing routes, maritime law, financial linkages and linguistic exchanges. In the following parts - divided into the Mediterranean, the Baltic Sea, and the Atlantic and North Seas - contributors present case studies addressing themes including conflict resolution, relations between different types of main ports and their hinterland, the local institutional arrangements supporting maritime trade, and the advantages and challenges of locations around the continent. The volume concludes with a summary that points to the extraterritorial character of trading systems during this fascinating period of expansion. Drawing together an international team of contributors, The Routledge Handbook of Maritime Trade around Europe is a vital contribution to the study of maritime history and the history of trade. It is essential reading for students and scholars in these fields.

The central concerns of mobilities research – exploring the broader context and human aspects of movement - are

fundamental to an understanding of the maritime freight transport sector. Challenges to the environment, attempts at more sustainable practices, changes in the geoeconomic system, political power, labour, economic development and governance issues are all among the topics covered in this book. The aim of this volume is to address issues of maritime transport not only in the simple context of movement but within the mobilities paradigm. The goal is to examine negative system effects caused by blockages and inefficiencies, examine delays and wastage of resources, identify negative externalities, explore power relations and identify the winners and losers in the globalised trade system with a particular focus on the maritime network. Maritime Mobilities therefore aims to build a bridge between "traditional" maritime academic approaches and the mobilities paradigm. This volume is of great importance to those who study industrial economics, shipping industries and transport geography.

This book aims to define comparative economics and to illustrate the breadth and depth of its contribution. It starts with an historiography of the field, arguing for a continued legacy of comparative economic systems, which compared socialism and capitalism, a field which some argued should have been replaced by institutional economics after the fall of the Berlin Wall. The process of transition to market capitalism is reviewed, and itself exemplifies a new combination of comparative analysis with a focus on institutional development. Going beyond, chapters broadening the application of comparative analysis and applying it to new issues and approaches, including the role and definition of institutions, subjective wellbeing, inequality, populism, demography, and novel methodologies. Overall, comparative economics has evolved in the past 30 years, and remains a powerful approach for analyzing important issues.

This book is a major work that focuses exclusively on ship finance and includes contributions on the increasingly complex field of ship finance, which has over the last two decades become a key aspect in the world of shipping and ship owning.

The book offers an enlightening mix of theoretical analysis and well-founded practical insights into the daily markets.

Given that ship finance continues to develop dynamically around the world, the book covers subjects ranging from the German KG market to Islamic Finance, from loans to legal aspects and from asset pricing to risk management.

This book is the founding title in the Grammenos Library. The diversity of the subjects covered is unique and the results of research developed over many years are not only comprehensive, but also have important implications on real life issues in maritime business. The new edition covers a vast number of topics, including:

- Shipping Economics and Maritime Nexus
- International Seaborne Trade
- Economics of Shipping Market and Shipping Cycles
- Economics of Shipping Sectors
- Issues in Liner Shipping
- Economics of Maritime Safety and Seafaring Labour Market
- National and International Shipping Policies
- Aspects of Shipping Management and Operations
- Shipping Investment and Finance
- Port Economics and Management
- Aspects of International Logistics

Transportation is the world's largest invisible industry. Modern society is completely dependent on transportation to sustain its way of life, and it is all around us constantly. Yet the economics of transportation is a mystery to most people. Why do air fares rise and fall? Why do urban transit systems struggle to survive and require such large public subsidies? Why does freight transport cost more to move in one direction than an equal distance in another? Why is the government so heavily involved in transportation? Concepts of Transportation Economics provides explanations to these queries and many more, as well-renowned experts in the field, Barry E Prentice and Darren Prokop interpret the unique dynamics underlying transportation through the lens of applied economics, and demonstrate that the operations of transportation are completely logical and obvious once the concepts that underlie business decisions and consumer reactions are explained.

There have been important developments in commercial practice, technology, shipping infrastructure and sustainability policies in recent times. This Research Handbook examines the major themes surrounding the thinking and studies of maritime law and practice. The stellar panel of contributors take a diverse range of approaches to identify any emerging theoretical and conceptual perspectives in law on what is essentially a fast paced sector of the global economy.

It is appropriate that the second edition of this established textbook sold in over 150 countries and regarded by many as the standard work on the subject -should be published at a time of great change in the international shipping industry. This edition reflects such change. It also places considerable emphasis on the need for a professional approach in all areas of shipping practice and management in order to provide the high quality service required to sustain and expand international trade, and will help to establish that professionalism. The book is ideal not only for students preparing for shipping examinations but also for persons employed in shipping companies, ashore and afloat. In short it is an aide-memoire to those engaged in the industry throughout the world and is regarded by many as the shipping executive's handbook. Readers who wish to know more about the basic elements of the subject should also study the companion volume Elements of Shipping (fifth edition). In addition, the sea port operator or executive should study my recently published book Elements of Port Operation and Management. The opportunity has been taken to widen the scope of the book. New chapters have been included on the economics of containerization, computerization, roll on/roll off (Ro/Ro) vessels and their features, and counter-trade. In addition, a number of existing chapters have been expanded in the areas of marketing, budgets, political factors, ship finance, BIFFEX, ICHCA, IMO, GCBS, and shipping company mergers and acquisitions.

In today's developing world, international trade is a field that is rapidly growing. Within this economic market, traders need to implement new approaches in order to satisfy consumers' rising demands. Due to the high level of competition, merchants have focused on developing new transportation and logistics strategies. In order to execute effective transportation tactics, decision makers need to know the fundamentals, current developments, and future trends of intercontinental transportation. The Handbook of Research on the Applications of International Transportation and Logistics for World Trade provides emerging research exploring the effective and productive solutions to global transportation and logistics by applying fundamental and in-depth knowledge together with current applications and future aspects. Featuring coverage on a broad range of topics such as international regulations, inventory management, and distribution networks, this book is ideally designed for logistics authorities, trading companies, logistics operators, transportation specialists, government officials, managers, policymakers, researchers, academicians, and students.

The Blackwell Companion to Maritime Economics presents comprehensive and in-depth coverage of the entire scope of issues relating to shipping and port economics. Unprecedented survey of maritime economics provides full coverage of shipping and port economics In depth

examinations offer an up-to-date study of the field including all facets of shipping, ports, logistics, and maintenance and topical discussion on security and environmental problems Presents original theories relating to theories for maritime carriers and ports Features contributions from the most respected international specialists in the field

'This Handbook is a stellar compilation of up-to-date knowledge about the important topics in transport economics. Authors include the very best in the field, and they cover the most important topics for today's research and policy applications. Individual chapters contain sound, readable, well referenced explanations of each topic's history and current status. I cannot think of a better place to start for anyone wanting to become current in the field or in any of its parts.' – Kenneth Small, University of California-Irvine, US Bringing together insights and perspectives from close to 70 of the world's leading experts in the field, this timely Handbook provides an up-to-date guide to the most recent and state-of-the-art advances in transport economics. The comprehensive coverage includes topics such as the relationship between transport and the spatial economy, recent advances in travel demand analysis, the external costs of transport, investment appraisal, pricing, equity issues, competition and regulation, the role of public-private partnerships and the development of policy in local bus services, rail, air and maritime transport. This Handbook is designed both for use on postgraduate and advanced undergraduate courses and as a reference for anyone working in the field. It also complements the textbook Principles of Transport Economics.

Future Challenges for the Port and Shipping Sector discusses the issues that most influence the future of the maritime and port industries. Important topics covered in this book include: Maritime trade, future trade flows, evolutions in international trade, shipping capacity and demand Developments in ship construction and their economic consequences Future developments in ports: technology and economics The future role of port authorities The future development in ports Financial developments This book looks at shipping from an holistic point of view and will be especially compelling in these challenging times.

The use of flags afloat and in most maritime situations is of interest and relevance to anyone going to sea whether for commerce or pleasure. This handy pocket-sized guide is the perfect on-board reference to the maritime flags of the world and their usage. It includes: national maritime flags special ensigns yacht club burgees signal flags and flag etiquette and usage. Anyone who has ever put to sea wondering about the different types of flag, how they are made up and the dos and don'ts as well as traditions and myths of flying flags should find this a fascinating and useful handbook.

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.

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.

This book is the founding title in the Grammenos Library. The diversity of the subjects covered is unique and the results of research developed over many years are not only comprehensive, but also have important implications on real life issues in maritime business. The new edition covers a vast number of topics, including: • Shipping Economics and Maritime Nexus • International Seaborne Trade • Economics of Shipping Market and Shipping Cycles • Economics of Shipping Sectors • Issues in Liner Shipping • Economics of Maritime Safety and Seafaring Labour Market • National and International Shipping Policies • Aspects of Shipping Management and Operations • Shipping Investment and Finance • Port Economics and Management • Aspects of International Logistics.

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

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 vitalest 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.

Managing the ever-changing nature and cross-disciplinary challenges of the maritime sector demands a complete understanding of the special characteristics of the maritime space. The complexity of the operations of ships, ports, shipping companies, and naval and coast guard maritime security operations as well as the economic significance and the in

This book models price behaviour and forecasts prices in the dry bulk shipping market, a major component of the world shipping industry. Recent uncertainties in the world economy, shipbuilding developments and fleet changes mean the dry bulk shipping market has become extremely volatile, highly speculative and more sensitive to external shocks. In response to these challenging circumstances, this book models price behaviour and forecasts prices in various markets including the freight market, the new build ship market and the second-hand ship market. The authors have carried out an extensive investigation of dry bulk shipping over a 60-year period in diverse sub-markets, trading routes, market conditions and dry bulk vessels. The authors also propose a framework for analysing and modelling the economic processes of numerous variables in the dry bulk shipping market, making use of modern econometric techniques and other economic approaches. This will be especially useful for the control and assessment of risk for ship owners and charterers in ship operation, ship chartering and ship trading activities. This book will be extremely useful for shipbuilders, owners and charterers, as well as shipping analysts and policymakers. It will also be of great interest to academics and researchers concerned with the economics of the shipping industry.

This timely and comprehensive new Handbook brings together an unrivalled group of distinguished scholars and practitioners to provide in-depth analysis and a contemporary perspective on a wide-ranging array of topics in maritime economics. Inherently global in nature, the economics of the maritime sector has proved pivotal in facilitating globalization and international trade. This Handbook offers a unique and indispensable source of reference and information for researchers, students and practitioners interested in the relationship between these developments and maritime markets.

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. 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. Saldanha, 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.

Maritime transport is one of the most ancient supports to human interactions across history and it still supports more than 90% of world trade volumes today. The changing connectivity of maritime networks is of crucial importance to port, transport, and economic development and planning. The way ports, terminals, but also cities, regions and countries, are connected with each other through maritime flows is not well-known and difficult to represent and measure, even for the transport actors themselves. There is a strong, urgent need for reviewing the relevant theories, concepts, methods, and sources that can be mobilized for the analysis of maritime networks. With contributions from reputable scholars from all over the world, this book investigates the analysis of maritime flows and networks from diverse disciplinary angles going across archaeology, history, geography, regional science, economics, mathematics, physics, and computer sciences. Based on a vast array of methods, such as Geographical Information Systems (GIS), spatial analysis, complex networks, modelling, and simulation, it addresses several crucial issues related with port hierarchy; route density; modal interdependency; network robustness and vulnerability; traffic concentration and seasonality; technological change and urban/regional economic development. This book examines new evidence about how socio-economic trends are reflected (but also influenced) by maritime flows and networks, and about the way this knowledge can support and enhance decision-making in relation to the development of ports, supply chains, and transport networks in general. This book is an ideal companion to anyone interested in the network analysis of transport systems and economic systems in general, as well as the effective ways to analyse large datasets to answer complex issues in transportation and socio-economic development.

The Oxford Handbook of Maritime Archaeology is a comprehensive survey of the field at a time when maritime archaeology has established itself as a mature branch of archaeology. This volume draws on the expertise of nearly fifty international scholars who examine the many distinct and universal aspects of the discipline.

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

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.

This book provides a comprehensive introduction to the economics of the business of maritime transport. It provides an economic explanation of four aspects of maritime transport, namely, the demand, the supply, the market and the strategy. The book first explains why seaborne trade happens and what its development trends are; it then analyses the main features of shipping supply and how various shipping markets function; the book finally addresses the critical strategic issues of the shipping business. The full range of different types of shipping are covered throughout the chapters and cases. The book combines the basic principles of maritime transport with the modern shipping business and the latest technological developments, particularly in the area of digital disruption. The ideas and explanations are supported and evidenced by practical examples and more than 160 tables and figures. The questions posed by the book are similar to those that would be asked by the students in their learning process or the professionals in the business environment, with the answers concentrating on the reasons for what has happened and will happen in the future rather than merely fact-telling or any specific forecast. The book is most suited for students of shipping-related disciplines, and is also a valuable reference for maritime professionals.

Port Economics is the study of the economic decisions (and their consequences) of the users and providers of port services. A port works as an "engine" for economic development. This book provides a detailed discussion of port freight service users, such as freight water and land carriers, that have their ships and vehicles serviced and their cargoes unloaded by ports, as well as passenger services such as ferry carriers which are serviced by ferry passenger ports. This text continues to enhance our understanding of port economics by exploring the economic theories, supply and demand curves, and the actual and opportunity costs relating to the carriers, shippers and passengers who use ports. This new edition has been updated throughout. This includes: An expanded discussion of container, break-bulk, dry-bulk, liquid-bulk and neo-bulk ports; An introduction of port service chains, hinterland transport chains, maritime transport chains and port multi-service congestion; A discussion of seaborne trade, dry ports, port centrality and connectivity and free trade zones. This updated and comprehensive introduction to port economics will be of benefit to students and researchers in their study of port economics and management. It is also of great importance to professionals who manage and operate ports as well as freight and passenger carriers.

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