

Port Management And Operations By Maria G Burns

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, analyzes what the key business drivers are, describes their governance, how they are managed, which trends influence them, and what 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 intermodal hinterland transport to provide this comprehensive overview of port management. The book is a combination of a strong background knowledge and is an indispensable resource for those interested in maritime economics. .

Port Management and OperationsCRC Press

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 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, 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 and manage the 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, container shipping, container logistics, shipping supply chain, and international logistics.

Taiwan Edition

Port Economics, Management and Policy

Ship Management

The Commonwealth and International Library of Science Technology Engineering and Liberal Studies

Elements of Port Operation and Management

Cargo Handling and the Modern Port

Port Economics

Risk Management in Port Operations, Logistics and Supply Chain Security is the first book to address security, risk and reliability issues in maritime, port and supply chain settings. In particular this title tackles operational challenges that port, shipping, international logistics and supply chain operators face today in view of the new security regulations and the requirements of increased visibility across the supply chain.

Elements of Shipping was first published in 1964 and has become established as a market leader over its many editions. This latest version is entirely updated to take in the many changes that have occurred in the shipping industry in recent years and features new chapters on multimodalism, seaports and electronic data interchange. Emphasis is also placed on professionalism and the need to have the latest technology and professionally qualified personnel to operate a shipping service today. It remains essential reading for the shipping executive along with students and academics with an interest in the shipping industry.

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. Port Management and Operations your essential guide to port management in the twenty-first century. • Provides the reader with a complete understanding of total port activity • Enables managers working in specific areas of ports to see where they fit into the port's operation and commercial practice as a whole • Offers an analysis of the many types of ports along with the common essential elements that enable them to function, including administration, management, economics and operations

Manual on Port Management. Part Three. Port Operations

Strategies, Operations and Perspectives

Securing Critical Information Infrastructures and Supply Chains

Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services

PORT AND TERMINAL MANAGEMENT.

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.

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.

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The two volumes IFIP AICT 397 and 398 constitute the thoroughly refereed post-conference proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2012, held in Rhodes, Greece, in September 2012. The 182 revised full papers were carefully reviewed and selected for inclusion in the two volumes. They are organized in 6 parts: sustainability; design, manufacturing and production management; human factors, learning and innovation; ICT and emerging technologies in production management; product and asset lifecycle management; and services, supply chains and operations.

Port Management and Operations

Planning, Construction, Maintenance, and Security

Manual on port management

Port Management

Port Business

Maritime-Port Technology and Development

"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 ones global transportation network. This is a timely and well written contribution to the industry."John A. Moseley, Senior Dir

Mobility is fundamental to economic and social activities such as commuting, manufacturing, or supplying energy. Each movement has an origin, a potential set of intermediate locations, a destination, and a nature which is linked with geographical attributes. Transport systems composed of infrastructures, modes and terminals are so embedded in the socio-economic life of individuals, institutions and corporations that they are often invisible to the consumer. This is paradoxical as the perceived invisibility of transportation is derived from its efficiency. Understanding how mobility is linked with geography is main the purpose of this book. The third edition of The Geography of Transport Systems has been revised and updated to provide an overview of the spatial aspects of transportation. This text provides greater discussion of security, energy, green logistics, as well as new and updated case studies, a revised content structure, and new figures. Each chapter covers a specific conceptual dimension including networks, modes, terminals, freight transportation, urban transportation and environmental impacts. A final chapter contains core methodologies linked with transport geography such as accessibility, spatial interactions, graph theory and Geographic Information Systems for transportation (GIS-T). This book provides a comprehensive and accessible introduction to the field, with a broad overview of its concepts, methods, and areas of application. The accompanying website for this text contains a useful additional material, including digital maps, PowerPoint slides, databases, and links to further reading and websites. The website can be accessed at: http://people.hofstra.edu/geotrans This text is an essential resource for undergraduates studying transport geography, as well as those interest in economic and urban geography, transport planning and engineering.

Port Development and Competition in East and Southern Africa analyzes the 15 main ports in East and Southern Africa (ESA) to assess whether their proposed capacity enhancements are justified by current and projected demand; whether the current port management approaches sufficiently address not only the maritime capacity needs but also other impediments to port efficiency; and what the expected hierarchy of ports in the region will be in the future. The analysis confirms the need to increase maritime capacity, as the overall container demand in the ports in scope is predicted to begin exceeding total current capacity by between 2025 and 2030, while gaps in terms of dry and liquid bulk handling are expected even sooner. However, in the case of many of the ports, the issue of landside access—the ports ’ intermodal connectivity, the ease of international border crossing, and the port-city interface—is more important than the need to improve maritime access and capacity. The analysis finds that there is a need to improve the operating efficiency in all of the ESA ports, as they are currently less than half as productive as the most efficient ports in the matched data set of similar ports across the world, in terms of efficiency in container-handling operations. Similarly, there is a need to improve and formalize stakeholder engagement in many of the ports, to introduce modern management systems, and to strengthen the institutional framework to ensure the most efficient use of the infrastructure and to be able to attract private capital and specialist terminal operators. Finally, given the ports ’ geographic location and proximity to main shipping routes, available draft, and the ongoing port-and-hinterland development, the book concludes that Durban and Djibouti are the most likely to emerge as the regional hubs in ESA ’ s future hub-and-spoke system.

Port Management and Operations is a comprehensive and concise work detailing the essential aspects of international ports. The impact on ports of developments in ship technology is fully explained, as are the problems that environmental matters have crated for port management. Changes in design, operation and location are discussed in detail as the ability to manage change is a crucial one. This book illustrates how management has coped with these changes over the last century.

Second Edition

Improving Port Management and Operations

7th Edition

A Guide to Contemporary Shipping and Port Management

ServiceNow IT Operations Management

Port Cybersecurity

Port Operations, Planning and Logistics offers detailed analysis of world port systems by applying both theoretical and practical (managerial) approaches to port operations, management and policy. The author draws from a rare combination of extensive cross-management professional experience and established multidisciplinary academic expertise to provide a structured publication that cuts across different research fields; economics, engineering, operations, technology, management, strategy and policy. The book explores various port topics including ICT and technology applications, investment and financing, pricing and asset management, contracts regulations, safety security and environmental management. Each is supported with case studies and practical examples of the latest developments in the field.

Written by leading experts in the field, this book offers an introduction to recent developments in port and hinterland strategies, operations and related specializations. The book begins with a broad overview of port definitions, concepts and the role of ports in global supply chains, and an examination of strategic topics such as port management, governance, performance, hinterlands and the port-city relationship. The second part of the book examines operational aspects of maritime, port and land networks. A range of topics are explored, such as liner networks, finance and business models, port-industrial clusters, container terminals, intermodality/synchromodality, handling and warehousing. The final section of the book provides insights into key issues of port development and management, from security, sustainability, innovation strategies, transition management and labour issues. Drawing on a variety of global case studies, theoretical insights are supplemented with real world and best practice examples, this book will be of interest to advanced undergraduates, postgraduates, scholars and professionals interested in maritime studies, transport studies, economics and geography.

Ship Management: Theory and Practice unpacks the complexity of this crucial maritime activity by spelling out its key elements and the connections and linkages between them. Opening with an introduction and an overview of the special characteristics of ship management, the text then focuses on different strands of management. It offers dedicated chapters on strategic management, commercial management, operations management, technical management, human resource management and compliance management, weaving in numerous international examples throughout. The final chapter looks to the future, exploring the challenges facing ship management and the impact of digitalisation. Ship Management: Theory and Practice is a valuable resource for upper-level students of shipping management and maritime operations and can also serve as a one-stop reference for researchers and industry practitioners.

Port Management looks at the numerous types of business interactions that occur at active ports. These include cooperating with other ports, coordinating deliveries with ships, overseeing port development, advertising and promotion, and enforcing security and environmental protection initiatives. Including research, practical insights and case studies, this book looks at quantitative methods and market analysis, maritime logistics, port planning and pricing, and commercial law. Port Management covers all the main aspects of management, administration and policy, and fills existing gaps in the literature in this area. Edited by two leading academics who have conducted research for the Department of Transport and the United Nations, this text is international in scope and includes research-based findings from a global team of contributors. It provides fascinating insights into the geography, economics, politics and trade involved in port management. Online supporting resources include lecture notes, lesson plans and PowerPoints.

International Logistics

Port Development and Competition in East and Southern Africa

Shipping and Logistics Management

Risk Management in Port Operations, Logistics and Supply Chain Security

A Complete Guide to Effective Shipping and Port Management

Port operations

Business and Economics of Port Management is a comprehensive but concise textbook and reference for insights into the workings of port industry from the business and economics perspectives. The book examines port management from various entities which include the government, port operator, shipping line, logistics companies and other port service providers. It provides in-depth discussions on strategic issues, challenges and disruptions that are faced by this industry. Given the uniqueness of each port and international nature of the port business, the book comes with useful case studies and lessons from different port regions around the world. Key lessons on challenges and issues faced by port managers, developers and regulators are highlighted and discussed using a combination of professional insights and publicly available information sources. The aim is to illustrate the decision-making process with the purpose of contributing to better outcomes for the industry, government and the public at large. Anyone who is approaching the subject matter will gain utmost understanding of how ports are critical in the global economy and societal well-being.

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.

Anybody working in sport management will be involved in the operation of a sports facility at some point in their career. It is a core professional competency at the heart of successful sport business. Sport Facility Operations Management is a comprehensive and engaging textbook which introduces cutting-edge concepts in facilities and operations management, including practical guidance from professional facility managers. Now in a

fully revised and updated second edition—which introduces new chapters on capital investment and operational decision-making—the book covers all fundamental aspects of sport facility operations management from a global perspective, including: ownership structures and financing options planning, design, and construction processes organizational and human resource management financial and operations management legal concerns marketing management and event planning risk assessment and security planning benchmarking and performance management Each chapter contains newly updated real-world case studies and discussion questions, innovative 'Technology Now!' features and step-by-step guidance through every element of successful sport facilities and operations management, while an expanded companion website offers lecture slides, a sample course syllabus, a bank of multiple-choice and essay questions, glossary flashcards links to further reading, and appendices with relevant supplemental documentation. With a clear structure running from planning through to the application of core management disciplines, Sport Facility Operations Management is essential reading for any sport management course.

Port Cybersecurity: Securing Critical Information Infrastructures and Supply Chains examines a paradigm shift in the way ports assess cyber risks and vulnerabilities, as well as relevant risk management methodologies, by focusing on initiatives and efforts that attempt to deal with the risks and vulnerabilities of port Critical Information Infrastructures (CII) ecosystems. Modern commercial shipping ports are highly dependent on the operation of complex, dynamic ICT systems and ICT-based maritime supply chains, making these central points in the maritime supply chain vulnerable to cybersecurity threats. Identifies barriers and gaps in existing port and supply chain security standards, policies, legislation and regulatory frameworks Identifies port threat scenarios and analyzes cascading effects in their supply chains Analyzes risk assessment methodologies and tools, identifying their open problems when applied to a port's CIIs

Cases in Port Geography, Operations and Policy

Business and Economics of Port Management

The Geography of Transport Systems

A Global Perspective

Port Operations, Planning and Logistics

Port Engineering

Port State Control, Second Edition is a comprehensive publication dealing with the full implications and regulations of port State control. It provides a detailed analysis of the legal framework relating to port State control, including the most recent developments in this area. It covers not only the regional agreements on port State control and the EU legislation on this subject but also the background of the port State control process, its implications in practice and its effect on the ISM Code and the classification societies. The book covers topics such as: Amendments and changes to the regional port state control systems The addition of an appeal procedure to the Paris MOU Issues related to the ports of refuge and the urgency for authorities to draw up appropriate plans for places of refuge following the recent incidents The ISPS Code for maritime security in the light of newly recognised vulnerability against terrorist attacks Update to Equasis Progress with Qualship regime under US Port State Control system. This book will be an invaluable reference tool for shipping lawyers around the world.

Towards a Better Port Industry provides professionals in freight transport and maritime logistics, and specifically the port industry, as well as students in these fields, with a better conceptual understanding of the port industry. It includes key insights and best practices for port management and development, and an overview of new trends and developments relevant for developing winning strategies. After an introduction, Chapter 2 offers a new perspective on port governance, in which public interests, corporatization, state-ownership, and shareholder policies take a central role. Chapter 3 explains how new trends and developments affect port development and argues that assuming 'business as usual' often leads to major port development mistakes. Chapter 4 deals with port development and discusses all major port development challenges, including granting concessions, developing a port vision, crafting stakeholder support, choosing port performance indicators and creating a port innovation system. The final chapter deals with port development strategies and includes themes such as strategies of port development companies, pricing and business development. This book will broaden professionals' conceptual understanding of the ports industry, and provide insights on the latest developments in this area. For students, this book provides an industry-focused and non-technical 'essential reading' for gaining a deep understanding of the ports industry.

Sea and freshwater ports are a key component of critical infrastructure and essential for maintaining global and domestic economies. In order to effectively secure a dynamic port facility operation, one must understand the business of maritime commerce. Following in the tradition of its bestselling predecessor, Port Security Management, Second Edit

This report discusses the recent advances in GIS technologies for the management of complex port and harbor infrastructure.

Port and Terminal Management

Port Security Management

An Insider's Perspective

Port Development, Management and Policy

Theory and Practice

Ports and Networks

Maritime-Port Technology and Development contains the latest research results and innovations as presented at the 2014 International Maritime and Port Technology and Development Conference (Trondheim, Norway, 27- 29 October 2014). The volume is divided into a wide range of topics: Efficient and environmentally friendly energy use in ships and port

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.

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.

Port Management and Operations your essential guide to port management in the twenty-first century. - Provides the reader with a complete understanding of total port activity - Enables managers working in specific areas of ports to see where they fit into the port's operation and commercial practice as a whole - Offers an analysis of the many types of ports along with the common essential elements that enable them to function, including administration, management, economics and operations

Elements of Shipping

IFIP WG 5.7 International Conference, APMS 2012, Rhodes, Greece, September 24-26, 2012, Revised Selected Papers, Part II

Prospects and Challenges

Port State Control

Logistics and Transportation Security

A Strategic, Tactical, and Operational Guide to Resilience

Cargo Handling and the Modern Port covers various concerns in the handling of goods in a contemporary port. The book also details the functions of ports, along with the impact of the silent revolutions that took place in the major ports around the world. The text first covers the port itself, such as its functions, the types of port managements, and administration. Next, the book discusses the b

Chapter 4 details the various changes that took place in the major ports throughout the world after 1945. The next series of chapters deals with various concerns in cargo, such as unit load, containers, and bulk cargos. The last chapter of the text discusses the ports of the future. The book will be of great use to individuals involved in logistics, forwarding, and ship transportation industries.

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 eight sections plus an introduction and epilog, this textbook examines a wide range of seaport topics, covering maritime shipping and international trade, port terminal more. Key features of the book include: 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

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. Align your business requirements with IT by implementing ServiceNow IT Operations with ease. About This Book Written to the latest specification, it will cover basic to advanced concepts and architecture. Take a service-centric approach to operations management and consolidate all your resource data into a single system IT record. Beat the key challenge of managing multiple business operation see immediate results. Who This Book Is For The book is aimed at System administrators, IT operations and IT managers who plan to implement ServiceNow IT Operations Management for their organization. They have no knowledge of ServiceNow ITOM. What You Will Learn Step by step guide in setting up each features with in ServiceNow ITOM Install and configure the required application or plugin appropriate Explore Orchestration capabilities and how to analyze the data Learn about the ServiceNow graphical interface Integrate with other applications within ServiceNow Aims to cover the fundamentals concepts to advanced concepts Best practices and advanced features In Detail ServiceNow ITOM enables infrastructure and processes to be managed in a highly automated manner. It contact

infrastructures are optimized for high performance and helps in creating a lean and agile organization through service-level visibility and automation. This book will be a comprehensive guide that will be based on Geneva release and will help you discover how IT activities can be connected to your business needs, rather than just focusing on internal IT process. It will take a service-centric approach

data into a single system IT record. You will learn about discovery, orchestration, MID server and cloud management, helping you take full advantage of ServiceNow IT Operations Management to improve the quality of service & increasing the service availability. By the end of the book, you will be able to achieve improved service availability, immediate visibility of vital business services and much mo

approach This will be a step by step learning guide helping readers to implement ServiceNow IT Operations Management for their organization.

Since the publication of my books Elements of Shipping and more recently Economics of Shipping Practice and Management, both selling in over 130 countries, I have received numerous requests both from home and abroad for a companion volume on seaports. This book has been written to provide a practical, overall under standing of the elements of port operation and management of a competi years of experience in port and ship management, international trade and education. It deals in simple language with the role and function of seaports in a trading pattern, port investment criteria, port tariffs, free ports and free trade zones, port traffic control, budgetary control and marketing, port management structure and dock labour, computerization, cargo-handling equipment, the economic the economics of international trade, finance of international trade, and many other aspects of this extensive subject. The import ance of complete professionalism in all areas of port practice as a means of providing the viable, high quality service required to sustain and expand international trade cannot be overemphasized. This book will help towards establishing that professionalism. The material

seaport examinations, but also for persons employed in port authorities. In short, it is an aide-memoire to those engaged in the industry throughout the world and may be regarded as 'the port executive's handbook'.

Maritime Logistics

The Management of International Trade Operations

Application of GIS Technologies in Port Facilities and Operations Management

Sport Facility Operations Management

Towards a Better Port Industry

Container Logistics and Maritime Transport