

Port Management And Operations By Maria G Burns

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Digital Management of Container Terminal Operations
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Planning and Design of Ports and Marine Terminals
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Management of Shipping Companies

Manage on-premises and cloud IT assets from one console Key Features Empower yourself with practical recipes to collect and analyze operational insights on Windows and Linux servers in your on premises datacenters and in any public cloud environments such as Azure and AWS. Build capabilities through practical tasks and techniques to collect and analyze machine data Address business challenges and discover means to accommodate workloads and instances in a low cost manner Book Description Microsoft Operations Management Suite Cookbook begins with an overview of how to hit the ground running with OMS insights and analytics. Next, you will learn to search and analyze data to retrieve actionable insights, review alert generation from the analyzed data, and use basic and advanced Log search queries in Azure Log Analytics. Following this, you will explore some other management solutions that provide functionality related to workload assessment, application dependency mapping, automation and configuration management, and security and compliance. You will also become well versed with the data protection and recovery functionalities of OMS Protection

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and Recovery, and learn how to use Azure Automation components and features in OMS. Finally you will learn how to evaluate key considerations for using the Security and Audit solution, and working with Security and Compliance in OMS. By the end of the book, you will be able to configure and utilize solution offerings in OMS, understand OMS workflows, how to unlock insights, integrate capabilities into new or existing workflows, manage configurations, and automate tasks and processes. What you will learn Understand the important architectural considerations and strategies for OMS Use advanced search query commands and strategies to derive insights from indexed data Make use of alerting in OMS such as alert actions, and available options for the entire lifecycle of the alert Discover some practical tips for monitoring Azure container service containers and clusters using OMS Review and use the backup options available through the Azure backup service, as well as data recovery options available through Azure Site Recovery (ASR) Understand how to advance important DevOps concepts within your IT organization Learn how to manage configurations and automate process Who this book is for This book is written for the IT professional and general reader who is interested in technology themes such as DevOps, Big Data Analytics, and digital transformation concepts. Azure and other cloud platform administrators, cloud professionals, and technology analysts who would like to solve everyday problems quickly and efficiently with hybrid management tools available in the Microsoft product ecosystem will derive much value from this book. Prior experience with OMS 2012 would be helpful.

Digital Management of Container Terminal Operations

Operations Management: An Integrated Approach provides an account of the systems, processes, people and technology that determine an organisation's strategy and success. With contributions from leading experts internationally, the text takes a comprehensive, comparative, and best-practice approach and applies this specifically to the Asia-Pacific region. Rigorous in scholarship yet eminently accessible in style, Operations Management is replete with pedagogical features - figures and tables, discussion exercises, 'Learnings from the Internet', and a diversity of long and short case studies from around the world. Students are taken on a seamless journey from the fundamentals of operations management, through to the multiple approaches, the various innovations, challenges and risks, and ultimately to models of sustainability and evaluative tools and techniques. The text effectively prepares future managers across every sector of the economy to lead, organise, plan and control a set of resources, in pursuit of identified goals. The book will be supported by an extensive companion website featuring PowerPoint slides for each chapter, sample answers, teaching notes and figures/images for presentations.

ServiceNow IT Operations Management

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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.

Planning and Design of Ports and Marine Terminals

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.

The Geography of Transport Systems

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.

Finance and Risk Management for International Logistics and

the Supply Chain

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.

Microsoft Operations Management Suite Cookbook

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

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

Written by a collection of eminent figures in the field, this new edition continues to look at the rational planning for port facilities requirements (berths, storage and cargo handling equipment), organisations, management and operations with

relation to planning and design of ports and marine terminals.

Risk Management in Port Operations, Logistics and Supply Chain Security

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 basics of operating a port, and then proceeds to tackling port labor. 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.

Elements of Port Operation and Management

This book presents a comprehensive study on intelligent container terminals. Based on the development experience gained to date with container terminals, it

analyzes information flows and their interactions with container terminals; illustrates the operation management process from information collection to resource planning and from equipment scheduling to field operation; highlights several dynamic decision-making problems concerning digital operation processes and container terminals; reveals the basis of the discrete logistics system; and discusses the future of intelligent container terminals.

Operations Management

Maritime transport is the transport of people or goods by water. It is the backbone of world trade and globalization. Twenty-four hours a day and all year round, ships carry cargoes to all corners of the globe. Maritime Transport focuses on the operational side of this important industry, covering many topics such as sea traffic currents, passenger transport, short sea shipping and dangerous cargoes. Parts one and two of Maritime Transport present the concepts, theory and background information, then part three presents more complex and deeper issues such as the maritime transportation of the future. It covers topics such as intelligent shipping, data exchange at sea and maritime security. In addition, the book includes fascinating case studies and examples, such as maritime transport in the Baltic sea, ship strategies in Norway and Greece and the benefits of slow steaming. At the end of each chapter there are questions that will help students to gain a deeper understanding of the many topics covered.

Port Management and Operations

Operations Research: A Practical Introduction is just that: a hands-on approach to the field of operations research (OR) and a useful guide for using OR techniques in scientific decision making, design, analysis and management. The text accomplishes two goals. First, it provides readers with an introduction to standard mathematical models and algorithms. Second, it is a thorough examination of practical issues relevant to the development and use of computational methods for problem solving. Highlights: All chapters contain up-to-date topics and summaries. A succinct presentation to fit a one-term course. Each chapter has references, readings, and list of key terms. Includes illustrative and current applications. New exercises are added throughout the text. Software tools have been updated with the newest and most popular software. Many students of various disciplines such as mathematics, economics, industrial engineering and computer science often take one course in operations research. This book is written to provide a succinct and efficient introduction to the subject for these students, while offering a sound and fundamental preparation for more advanced courses in linear and nonlinear optimization, and many stochastic models and analyses. It provides relevant analytical tools for this varied audience and will also serve professionals, corporate managers, and technical consultants.

Logistics Systems: Design and Optimization

Transport Infrastructure Asset management in transport infrastructure, financial viability of transport engineering projects/ Life cycle Cost Analysis, Life-Cycle Assessment and Sustainability Assessment of transport infrastructure/ Infrastructures financing and pricing with equity appraisal, operation optimization and energy management/ Low-Volume roads: planning, maintenance, operations, environmental and social issues/ Public-Private Partnership (PPP) experience in transport infrastructure in different countries and economic conditions/ Airport Pavement Management Systems, runway design and maintenance/ Port maintenance and development issues, technology relating to cargo handling, landside access, cruise operations/ Infrastructure Building Information Modelling (I-BIM) / Pavement design and innovative bituminous materials/ Recycling and re-use in road pavements, environmentally sustainable technologies/ Stone pavements, ancient roads and historic railways/ Cementitious stabilization of materials used in the rehabilitation of transportation infrastructure. Transport Systems Sustainable transport and the environment protection including green vehicles/ Urban transport, land use development, spatial and transport planning/ Bicycling, bike, bike-sharing systems, cycling mobility/ Human factor in transport systems/ Intelligent Mobility: emerging technologies to enable the smarter movement of people and goods/Airport landside: access roads, parking facilities, terminal facilities, aircraft apron and the adjacent taxiway/ Transportation policy, planning

and design, modelling and decision making/ Transport economics, finance and pricing issues, optimization problems, equity appraisal/ Road safety impact assessments, road safety audits, the management of road network safety and safety inspections/ Tunnels and underground structures: preventing incidents-accidents mitigating their effects for both people and goods/ Traffic flow characteristics, traffic control devices, work zone traffic control, highway capacity and quality of service/ Track-vehicle interactions in railway systems, capacity analysis of railway networks/ Risk assessment and safety in air and railway transport, reliability aspects/ Maritime transport and inland waterways transport research/ Intermodal freight transport: terminals and logistics.

Port Operations, Planning and Logistics

Earlier ed. held.

Operations Research

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.

Port Cybersecurity

The maritime sector is dynamic and volatile, creating the need for continuous monitoring of the latest developments and their effects on the organisation, management and strategies of shipping companies. This book analyses the business environment of these companies and the approaches they adopt in

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organising and managing their activities. Management of Shipping Companies aims to facilitate the learning and understanding of the fascinating world of shipping business. It examines the organisation and management of companies which manage ocean-going ships, emphasising the special characteristics of the industry and the framework created by these. This textbook offers a detailed account of the companies' processes and functions, the structural and contextual dimensions of their organisation, as well as an analysis of human resources, safety management and the outsourcing of shipping operations. Written in an easily digestible and critical manner, it includes case studies and analysis of best practices implemented by companies worldwide. This unique and accessible book is an ideal text for students in maritime studies programs as well as readers interested in learning about maritime businesses' organisation and management.

Exam Prep Flash Cards for Port Management and Operations

Port Economics is the study of the economic decisions (and their consequences) of the users and providers of port services. A port is an "engine" for economic development by providing employment, worker incomes, business earnings and taxes for its region. The book provides a detailed discussion of types of carriers that use ports, the operation of cargo and passenger ports as well as the operation of such specific ports as Hong Kong, Hamburg, Le Havre, Savannah, Miami and Panama. Port Economics is the first contemporary textbook of its kind. It enhances

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our understanding of port economics by – classifying port users and suppliers of port services in the context of economic demand and supply curves; denoting that the demand for port services has two prices, the price paid to the port by the users and the price (or actual and opportunity costs) incurred by port user carriers, shippers and passengers; presenting the economic theories of carriers, shippers and passengers. The numerous up-to-date references will be of benefit to students and researchers of the economics of the shipping trade; to government officials in developing port and shipping policies; and to port operators in understanding the port-choice selection process by shipping lines and other carriers.

Port Management

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 Reform Toolkit

This edited collection collates the most up-to-date and important research within the area of operations and logistics management. Boasting the combined expertise of one of the largest logistics and operations management academic teams in Europe, it provides both depth and diversity in a balanced portfolio. The first two sections are concerned with key contemporary issues in the subject area, providing a current and up-to-date overview of the field. Section three presents a selection of important cross-cutting themes that impinge upon and inform teaching, research and practice, while the final section includes a celebration of research highlights

and showcases cutting-edge applications from leaders in the field. Invaluable to students, researchers and academics alike, this book is compulsory reading for those active within operations and logistics research.

Business and Economics of Port Management

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.

Transport Infrastructure and Systems

Globalisation and the rapid increase in world trade in the past decade have

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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 Acciario, Assistant Professor of Maritime Logistics, THE KLU, Hamburg; Prof. Dr. Joern Meissner, Professor of Supply Chain Management & Pricing Strategy, THE

KLU, Hamburg.

Maritime Logistics

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.

Cargo Handling and the Modern Port

Port Cybersecurity: Securing Critical Information Infrastructures and Supply Chains

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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

Port Management and 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.

Logistics and Transportation Security

This book focuses on the management of ship 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 that fundamental gap 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.

Ports and Networks

Maritime Transport and Regional Sustainability is a critical examination on how the maritime transport sector helps regions to achieve their sustainability goals, especially focusing on the challenges posed by climate change. This book analyzes maritime transport from multiple perspectives, establishing a strong theoretical framework drawn on evidence from both the developed and emerging economies across the globe. It identifies commonalities that contribute to a coherent transportregion relationship, including how maritime operations, planning, and management impact regional governance. Tracing the vital threads linking transport to its regional surroundings, Maritime Transport and Regional Sustainability analyses the major issues and challenges that maritime transport researchers, planners, and policymakers are facing. Offers the latest original research and theory for transfer into practice Applies evidence and theory drawn

from cases across the globe Assesses major governmental maritime infrastructure initiatives and their relation to sustainability

Port Business

Infrastructure Investment in Indonesia: A Focus on Ports presents an important and original collation of current material investigating the efficient facilitation of major infrastructure projects in Indonesia and Australia, with an emphasis on infrastructure investment and a focus on port planning and development. This interdisciplinary collection—spanning the disciplines of engineering, law and planning—draws helpfully on a range of practical and theoretical perspectives. It is the collaborative effort of leading experts in the fields of infrastructure project initiation and financing, and is based on international research conducted by the University of Melbourne, Universitas Indonesia and Universitas Gadjah Mada. The volume opens with a macroscopic perspective, outlining the broader economic situations confronting Indonesia and Australia, before adopting a more microscopic perspective to closely examine the issues surrounding major infrastructure investment in both countries. Detailed case studies are provided, key challenges are identified, and evidence-based solutions are offered. These solutions respond to such topical issues as how to overcome delays in infrastructure project initiation; how to enhance project decision-making for the selection and evaluation of projects; how to improve overall efficiency in the arrangement of project finance

and governance; and how to increase the return provided by investment in infrastructure. Special focus is given to proposed improvements to the port cities of Indonesia in the areas of major infrastructure project governance, policies, engagement, operation and processes. By rigorously investigating the economic, transport, finance and policy aspects of infrastructure investment, this book will be a valuable resource for policy makers and government officials in Indonesia and Australia, infrastructure investment organisations, and companies involved in exporting services between Indonesia and Australia. This book will also be of interest to researchers and students of infrastructure planning and financing, setting a solid foundation for subsequent investigations of financing options for large-scale infrastructure developments.

Towards a Better Port Industry

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.

Application of GIS Technologies in Port Facilities and Operations Management

Finance and Risk Management for International Logistics and the Supply Chain presents a detailed overview of financial and risk management tools, activity-based costing, and multi-criteria decision-making, providing comprehensive guidance for those researching and working in logistics and supply chain management. The book breaks new ground, combining the expertise of leading authorities to analyze and navigate the funding components for these critical transportation functions. As the international logistics and supply chain transportation fields have recently received heavy investments, this research and the theory behind it provide a timely update on risk management, finance and legal and environmental impacts. Users will find sections that address the wide-ranging issues related to this emerging field that are presented from an international and holistic perspective. Provides a valuable reference covering the full slate of financial issues of interest to global players in the international transport, logistics and supply chain industries Covers a truly international perspective, addressing a diverse variety of worldwide transport, logistics and supply chain contexts Features finance and risk-management strategies related to the banking industry, exchange rates, fuel prices, climate-related funding, freight derivatives and legal aspects

Infrastructure Investment in Indonesia: A Focus on Ports

International Logistics

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 operations (even running globally) over a complex IT infrastructure and 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 Integrate with other provider services as deemed 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

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to be managed in a highly automated manner. It contains various segments that ensure its applications and enterprise 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 to operations management and consolidate all your resource 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 more, all from the convenience of your single screen. Style and approach This will be a step by step learning guide helping readers to implement ServiceNow IT Operations Management for their organization.

Port Development and Competition in East and Southern Africa

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 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 intermodal 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. .

Shipping and Logistics Management

Taiwan Edition

Contemporary Operations and Logistics

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.

Maritime Transport

"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

Port Economics

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

Shipping Operations Management

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 competitive, ~profitable port authority. It reflects the author's many 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 economics of port design, the role of port cargo-handling organizations, the economics of international trade, finance of international trade, and many other aspects of this extensive subject. The importance 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 assembled here is intended not only for students preparing for 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'.

Port Management Textbook

In a context of global competition, the optimization of logistics systems is inescapable. Logistics Systems: Design and Optimization falls within this perspective and presents twelve chapters that well illustrate the variety and the complexity of logistics activities. Each chapter is written by recognized researchers who have been commissioned to survey a specific topic or emerging area of logistics. The first chapter, by Riopel, Langevin, and Campbell, develops a framework for the entire book. It classifies logistics decisions and highlights the

relevant linkages to logistics decisions. The intricacy of these linkages demonstrates how thoroughly the decisions are interrelated and underscores the complexity of managing logistics activities. Each of the chapters focus on quantitative methods for the design and optimization of logistics systems.

Container Terminals and Cargo Systems

This publication provides information for the effective and sustainable public sector reform of port services in developing countries based on examples of best practice around the world. It focuses on understanding the needs, challenges and risks for sector reform, and also considers the options and implications of increased private sector involvement. The toolkit contains eight booklets and a CD-ROM which cover a range of issues including: a port reform framework, alternative port management structures and ownership models, legal reform tools, financial implications, regulation, labour reform and related social issues.

Maritime Transport and Regional Sustainability

This book presents new insights and successful solutions to the operational problems of automated container terminals and cargo systems. It comprises reports on the state of the art, applications of quantitative methods, as well as

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case studies and simulation results. Its contributions are written by leading experts from academia and business and address practitioners and researchers in logistics, transportation, and management.

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