

Guidelines For Cruise Terminals Pianc

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. .

After decades of solid growth, the worldwide ocean cruise sector has become a noticeable economic factor and a significant employer. In the way it combines social, technological and natural systems to form its products, cruise tourism is an increasingly attractive area of study; particularly with regards to the managerial challenges posed by the interaction of these systems. This book brings together industry know-how, managerial experience and academic rigour to cover some of the most important and interesting managerial challenges

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associated with ocean cruises.

A collection of short poems, mainly on themes suggested by the natural world.

International shipping is currently at a crossroads. The decision of the International Maritime Organization (IMO) in April 2018 to adopt an Initial Strategy so as to achieve by 2050 a reduction of at least 50% in maritime greenhouse gas (GHG) emissions vis-à-vis 2008 levels epitomizes the last among a series of recent developments as regards sustainable shipping. It also sets the scene on what may happen in the future. Even though many experts and industry circles believe that the IMO decision is in line with the COP21 climate change agreement in Paris in 2015, others disagree, either on the ground that the target is not ambitious enough, or on the ground that no clear pathway to reach the target is currently visible. This book takes a cross-disciplinary view of the various dimensions of the maritime transportation sustainability problem. “Cross-disciplinary” means that a variety of angles are used to examine the book topics, and these mainly include the technological angle, the economics angle, the logistics angle, and the environmental angle. The book reviews models that can be used to evaluate decisions, policy alternatives and trade-offs. For sustainable shipping, a spectrum of technical, logistics-based and market based measures are being contemplated. All may have important side-effects as regards the economics and logistics of the maritime supply chain, including ports and hinterland connections. The objective to attain an acceptable environmental performance, while at the

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same time respecting traditional economic performance criteria so that shipping remains viable, is and is likely to be a central goal for both industry and policy-makers in the years ahead. At the same time, policy fragmentation is likely to create distortions of competition and sub-optimal solutions. This book attempts to address these issues and identify better solutions. Sustainable Shipping: A Cross-Disciplinary View includes chapters that cover many relevant topics. These include a general view of maritime transport sustainability, green ship technologies, information and communication technologies (ICTs) for sustainable shipping, green tramp ship routing and scheduling, green liner network design and speed optimization. Market based measures, oil pollution, ship recycling, sulphur emissions, ballast water management, alternative fuels and green ports are also covered. The book concludes by discussing prospects for the future, with a focus on the IMO Initial Strategy

This book addresses the environmental, legal, social, and economic aspects of corporate social responsibility in the maritime industry. It discusses the voluntary aspects of the CSR concept and how the lines between informal and formal rules are merging and becoming fuzzy. Further, it shows how regulation is enhancing responsibility and sustainability in the maritime industry. The book gathers the experiences of the WMU, IMO, UN and public and private actors in developing and developed countries in the maritime industry.

Green Ports: Inland and Seaside Sustainable Transportation Strategies presents the first book to exclusively focus on this

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important topic that is usually only covered in brief chapters or journal articles that are too theoretical, fragmented or regionally-focused. This book comprehensively and systematically examines the key issues and best practice for understanding green ports and quantifying aspects of their environmental performance. This applied research book will help researchers formulate the needed research questions. Includes practical application tools and techniques for increasing sustainability throughout the entire transportation chain Provides an overall picture of green ports through a collection of expert specialists Examines how ports and surrounding areas are addressing the environmental impacts related to growth in the cruise business Presents a theoretical framework to identify best practices for planning and policymaking for the impacts posed by climate change

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As a result of major shipping disasters on all coasts, the safety of vessel operations in U.S. ports and waterways and the effectiveness of waterway designs are under increased scrutiny. But are traditional waterway design practices that rely heavily on rules of thumb and conservatism providing adequate margins of safety while keeping the overall costs of waterway projects within the funding capabilities of local project sponsors? Shiphandling Simulation addresses how computer-based simulation can be used to improve the cost-effectiveness of waterway design while satisfying safety objectives. The book examines the role of computer simulation in improving waterway design, evaluates the adequacy of data input, explores the validity of hydrodynamic and mathematical models, assesses required and achievable accuracy of simulation results, and identifies research needed to establish shiphandling simulation as a standard design aid. Case studies of waterway design efforts employing shiphandling simulation are analyzed and lessons learned are

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identified.

The Commercial Shipping Handbook is an invaluable reference tool for anyone involved in international trade and a first step towards understanding the framework within which the international movement of goods by sea is conducted.

The handbook gives concise explanations of the many activities that comprise shipping, explaining the terms and how they interrelate. Areas covered include: Documents used in international transport by sea e.g. the bill of lading and the charter-party – what they contain, the different types and examples of each Generic types of ships, cargoes, containers and ports Details of all the major maritime associations prominent in contract drafting and policy making, together with a brief explanation of their objectives The many extra costs and surcharges found in shipping, particularly in liner shipping Chartering terms, an explanation of each and their context Clauses appearing in bills of lading, in voyage charters and time charters Technical elements of shipping as they relate to the commercial operation of ships, for example tides and draughts Examples of principal documents Discussing over 1250 commercial shipping terms, this book will be an essential reference for all shipowners, charterers, managers and brokers and will also be of use to legal, insurance and banking professionals.

Container Terminals (CT) operate as central nodes in worldwide hub-and-spoke networks and link ocean-going vessels with smaller feeder vessels as well as with inbound and outbound hinterland transportation systems using road, rail, or inland waterways. The volume of transcontinental container flows has gained appreciably over the last five decades -- throughput figures of CT reached new records, frequently with double-digit annual growth rates. Stimulated by throughput requirements and stronger competition between terminals settled in the same region or serving a

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similar hinterland, respectively, cost efficiency and throughput capabilities become more and more important. Nowadays, both terminal capacity and costs have to be regarded as key indicators for CT competitiveness. In respect of this steady growth, this handbook focuses on planning activities being aimed at “order of magnitude improvements” in terminal performance and economic viability. On the one hand the book is intended to provide readership with technological and organizational CT basics for strategic planning. On the other hand this book offers methodical assistance for fundamental dimensioning of CT in terms of 'technique', 'organization' or 'man'. The former primarily considers comprehensive information about container handling technologies representing the state of the art for present terminal operations, while the latter refers to methodological support comprising in particular quantitative solutions and modeling techniques for strategic terminal decisions as well as straightforward design guidelines. The handbook includes an introductory contribution which gives an overview of strategic planning problems at CT and introduces the contributions of the volume with regard to their relationship in this field. Moreover, each paper contains a section or paragraph that describes the impact of findings investigated by the author(s) for problem-solving in long-term planning of CT (as an application domain). The handbook intends to provide solutions and insights that are valuable for both practitioners in industry who need effective planning approaches to overcome problems and weaknesses in terminal design/development and researchers who would like to inform themselves about the state of the art in methodology of strategic terminal planning or be inspired by new ideas. That is to say, the handbook is addressed to terminal planners in practice as well as to students of maritime courses of study and (application oriented) researchers in the maritime field.

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"This book not only brings together existing guidance on hydraulic design, including design wave conditions, prediction of scour and vessel mooring loads, but also presents new methods (developed from extensive laboratory testing) for the prediction of wave loading, including forces on the underside of jetty decks. These guidelines will help maritime designers to optimise jetty designs, and are an essential reference resource."--BOOK JACKET.

"The objective of the work was to provide a guideline for the functional design of cruise terminals, by reviewing the current state of the art of the needs of modern cruise ships and evaluating the ship/port interface and the port facilities involved in cruise traffic. This document embodies a flexible design approach so that terminals can be adapted to the various current and future needs of cruise companies."--Introduction.

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

This multidisciplinary book delivers a unique collection of well-considered, empirically rich and critical contributions on maritime transport geographies. It covers a wide range of markets and territories as well as institutional, environmental and future issues.

This handbook is the first of its kind to provide a clear, accessible, and comprehensive introduction to the most important scientific and management topics in marine environmental protection. Leading experts discuss the latest

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perspectives and best practices in the field with a particular focus on the functioning of marine ecosystems, natural processes, and anthropogenic pressures. The book familiarizes readers with the intricacies and challenges of managing coasts and oceans more sustainably, and guides them through the maze of concepts and strategies, laws and policies, and the various actors that define our ability to manage marine activities. Providing valuable thematic insights into marine management to inspire thoughtful application and further study, it is essential reading for marine environmental scientists, policy-makers, lawyers, practitioners and anyone interested in the field.

Climate change poses many challenges that affect society and the natural world. With these challenges, however, come opportunities to respond. By taking steps to adapt to and mitigate climate change, the risks to society and the impacts of continued climate change can be lessened. The National Climate Assessment, coordinated by the U.S. Global Change Research Program, is a mandated report intended to inform response decisions. Required to be developed every four years, these reports provide the most comprehensive and up-to-date evaluation of climate change impacts available for the United States, making them a unique and important climate change document. The draft Fourth National Climate Assessment (NCA4) report reviewed here addresses a wide range of topics of high importance to the United States and society more broadly, extending from human health and community well-being, to the

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built environment, to businesses and economies, to ecosystems and natural resources. This report evaluates the draft NCA4 to determine if it meets the requirements of the federal mandate, whether it provides accurate information grounded in the scientific literature, and whether it effectively communicates climate science, impacts, and responses for general audiences including the public, decision makers, and other stakeholders. Given the strategic role of seaports and of other coastal transport infrastructure as part of the global trading system and the potential for climate-related delays and disruptions across global supply chains, enhancing the climate resilience of key transport infrastructure is a matter of strategic economic importance. Legal and regulatory approaches, as well as policies and plans are going to be key to efforts at facilitating effective risk and vulnerability assessments and providing a supportive framework for adaptation action at all levels. Guidance, standards, best practices, methodologies and other tools in support of adaptation are urgently required, and targeted capacity building is going to be critical, especially for the most vulnerable countries. This includes SIDS, which depend on their ports and coastal airports for food and energy needs, external trade and - crucially - tourism, which typically accounts for a major share of GDP. Against this background and drawing on UNCTAD's related work,

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since 2008, this compilation of policies and practices has been prepared to contribute to bridging a knowledge gap with regards to climate change impacts and adaptation for coastal transport infrastructure. The compilation presents examples of legal and policy approaches, as well as of reports, studies and guidance to support climate risk, vulnerability and impact assessment, and the development of effective adaptation response measures for coastal transport infrastructure, with a view to informing and inspiring policy makers, national authorities, transport managers, infrastructure owners, and other interested stakeholders in their efforts.

Are the nation's ports adequate for our present and future needs? This volume points out that no significant new deep-water construction has occurred for a decade, and provides the information and analysis needed to goad the ports and the federal government into action. The book asks three questions: Is additional port construction and maintenance dredging needed now or over the next 20 years? What would prevent dredging if it is needed? What alternatives could make additional dredging possible? The book identifies several problems in dredging ports, including the long interval between a decision to deepen a port and the time the alterations are complete. The United States needs to speed port construction to meet changing

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needs, and the committee recommends that we prepare for future needs by dredging now.

The cruise industry is one of the fastest growing segments of tourism. Although, cruise tourism is a recent development in Asia and the Pacific as compared to the traditional destinations in the Caribbean and the Mediterranean, it has been growing at double-digit rates fuelled by the increasing demand from the North-East Asia markets, namely from China.

This book focuses on design technologies and practical engineering applications in connection with cruise ports and terminals. After a brief introduction to cruise ships and global cruise ports, it addresses the location, structure and layout of cruise terminals, the technologies involved, cruise terminal buildings and supporting facilities. The book also explores practical engineering cases, including projects that the authors have worked on, such as the Shenzhen Prince Bay and Shanghai Wusongkou International Cruise Terminal projects. Systematically discussing the design and engineering aspects of domestic and international cruise terminals, the book offers a practical reference guide for engineers, researchers, practitioners and policymakers in relevant fields. This indispensable handbook provides state-of-the-art information and common sense guidelines, covering the design, construction, modernization of port and harbor related marine structures. The design procedures and

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guidelines address the complex problems and illustrate factors that should be considered and included in appropriate design scenarios.

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

Over the past twenty years there has been considerable improvement and new information in the design of port and berth structures. This handbook reflects the latest progress and developments in navigation safety, port planning and site selection, layout of container, oil and gas terminals, cargo handling, berth design and construction, fender and mooring principles. It presents guidelines and recommendations for the main items and assumptions in the layout, design and construction of modern port structures, and the forces and loadings acting on them. The book provides an evaluation of different designs and construction methods for port and berth structures, and recommendations given by the different international harbour standards and recommendations. Practising harbour and port engineers and students will find the handbook an invaluable source of information.

This book focuses on the interaction between shipping and the natural environment and how shipping can strive to become more sustainable. Readers are guided in marine environmental awareness, environmental regulations and abatement technologies to assist in decisions on strategy, policy and investments. You will get familiar with possible paths to improve environmental performance and, in the long term, to a sustainable shipping sector, based on an understanding of the

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sources and mechanisms of common impacts. You will also gain knowledge on emissions and discharges from ships, prevention measures, environmental regulations, and methods and tools for environmental assessment. In addition, the book includes a chapter on the background to regulating pollution from ships. It is intended as a source of information for professionals connected to maritime activities as well as policy makers and interested public. It is also intended as a textbook in higher education academic programmes.

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