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# Ipcsa International Port Community System Association

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Global Logistics and Supply Chain Management

European Port Cities in Transition

Maritime Informatics

ECCWS 2023 22nd European Conference on Cyber Warfare and Security

Routledge Handbook of the Belt and Road

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## **CINDY ISRAEL**

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*Global Logistics and Supply Chain  
Management* Springer Nature  
Maritime Supply Chains breaks the  
maritime chain into components,  
consistently relating them to the overall  
integrated supply chain. The book not  
only analyzes and provides solutions to  
frequently encountered problems and

key operational issues, it also applies  
cutting-edge scientific techniques on the  
maritime supply chain. Sections consider  
shipping, ports and terminals, hinterland  
and the issues that intersect different  
parts of the chain. Readers will find  
discussions of the various actors at play  
and how they relate to the overall  
function of the supply chain. Finally, the  
book offers solutions to the most  
pressing problems, thus providing a  
unique, well-balanced account. -

Provides a comprehensive and integrative account of the maritime supply chain, from shipping, to port, to hinterland - Cuts through the maritime supply chain to offer a transversal picture on how the chain functions - Applies rigorous analytical techniques to give solutions to the most frequent and pressing challenges facing maritime supply chains - Considers advances, such as blockchain, that are set to transform maritime supply chains

European Port Cities in Transition

Springer Nature

This book is the ninth volume in "Contemporary Logistics in China", authored by the researchers in Logistics Research Center at Nankai University. In the spirit of the eight preceding annual volumes, this book carries on the ideal of

providing a systematic exposition on the logistics development in China for the English-speaking community at large. Specially, this volume captures China's logistics development at a crucial turning point. This present report consists of nine chapters, organized into three sections. The introductory section, consisting of two chapters, depicts the current development status of the China's logistics market and the logistics facilities and technology. The second section addresses the characteristics of logistics industries in China including the transportation logistics, the manufacturing logistics, the commerce logistics, and the agricultural products logistics. The final section, consisting of three chapters, discusses some hot logistics topics in China. Chapter 7

describes the emerging service models and innovation of China's highway freight platforms. The next chapter deals with the development and innovation of the Belt and Road cross-border logistics service system. The last chapter presents China's Logistics development and prospect under the context of sharing economy. As with the previous eight volumes, the ultimate aim of this book is to present a timely portrayal of the rapid pace of growth of China's logistics market and the status of its logistics industry's evolution. In so doing, the book offers an in-depth analysis of critical issues involved in the ongoing dynamic and multi-faceted development, and provides a valuable reference resource for interested readers in the academic and professional fields.

*Maritime Informatics* Routledge  
In partnership with AMDIE, Morocco's Investment and Trade Agency, The Business Year returns to Morocco to offer insights into the themes of economic recovery. Though faced with significant challenges, the overall tone of those interviewed in this publication has been one of optimism. Having weathered the difficulties and adapted to the rigors of the pandemic, the business world of Morocco is tougher, savvier, and, crucially, more resilient. This 96-page publication featured interviews, news, and analysis across every major sector of the economy, including finance, industry, energy, IT, media, transport, logistics, construction, real estate, agriculture, health, education, and tourism.

*ECCWS 2023 22nd European Conference  
on Cyber Warfare and Security*

Routledge

This book aims to provide the necessary background to work with big data blockchain by introducing some novel applications in service operations for both academics and interested practitioners, and to benefit society, industry, academia, and government. Presenting applications in a variety of industries, this book intends to cover theory, research, development, and applications of big data and blockchain, as embedded in the fields of mathematics, engineering, computer science, physics, economics, business, management, and life sciences, to help service operations management.

Routledge Handbook of the Belt and

Road The Business Year

This book focuses on traditional fields of business studies and economics and how digitalization has affected them. It provides an overview about the lessons learned from academic research and highlights implications for practitioners. Digitalization has not only changed the ways business administration and economics are taught, but also the substance at the core of the two disciplines. Chapters from expert contributors define and carefully evaluate the developments that have occurred over the last decades. The authors further provide an assessment of how industry branches have adapted and in which form regulators have engaged. Attention is given to the theoretical and empirical findings from

recent scholarly literature. Furthermore, the authors provide some novel insights from their own research at the University of Bremen. This book appeals to business administration, economics, and entrepreneurship scholars and practitioners alike.

**Intervención sobre prácticas integrativas en el clúster de logística del Atlántico Cadenas logísticas de comercio exterior**

Academic Conferences and publishing limited

With the gradual resumption of economic activity, most businesses are facing a range of challenges associated with implementing measures to protect the health and safety of their employees. Some employers had to put certain business activities on hold and even

start new ones in order to keep their organizations operating efficiently. The global COVID-19 pandemic plus digital transformation and the pressure of Industry 4.0 have challenged companies to manage their organizations in newfound ways. In the short term, they are facing enormous changes to their business plans; in the long term, they must adapt and continue to progress on their original goals. *Reviving Businesses With New Organizational Change Management Strategies* is a crucial reference book that analyzes the sensitivity of organizations to change management based on methodologies and tools to control impacts, to understand how employees will be impacted in their environment, and to learn how technology will help both the

industry and professionals. This book also explores types of frameworks that are built for communication and business continuity, the importance of collaborative and interactive relationships for change management, and emotional factors and issues for change management. Covering topics including change management models, cybersecurity, Health 4.0, privacy and security, and information systems management, this text is essential for managers, executives, human resources managers, academicians, students, and researchers looking for successful business strategies that are leading to increased efficiency, performance, and growth.

Computational Logistics WIT Press

This book constitutes the proceedings of

the 10th International Conference on Computational Logistics, ICCL 2019, held in Barranquilla, Colombia, in September/October 2019. The 27 papers included in this book were carefully reviewed and selected from 49 submissions. They were organized in topical sections named: freight transportation and urban logistics; maritime and port logistics; vehicle routing problems; network design and distribution problems; and selected topics in decision support systems and ICT tools.

Making Global and Local Connections

Elsevier

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 **Augmented Lean** Centre for Public Policy Research and Monash University Trends in Maritime Technology and Engineering comprises the papers presented at the 6th International Conference on Maritime Technology and Engineering (MARTECH 2022) that was held in Lisbon, Portugal, from 24-26 May 2022. The Conference has evolved from the series of biennial national conferences in Portugal, which have become an international event, and which reflect the internationalization of the maritime sector and its activities. MARTECH 2022 is the sixth of this new series of biennial conferences. The book covers all aspects of maritime activity, including in Volume 1: Structures, Hydrodynamics, Machinery, Control and

Design. In Volume 2: Maritime Transportation and Ports, Maritime Traffic, Safety, Environmental Conditions, Renewable Energy, Oil & Gas, and Fisheries and Aquaculture. Trends in Maritime Technology and Engineering aims at academics and professionals in the above mentioned fields.

Maritime Supply Chains IGI Global Explore the real future of work in this expert tech implementation guide that goes beyond automation In *Augmented Lean: A Human-Centric Framework for Managing Frontline Operations*, serial startup founder Dr. Natan Linder and futurist podcaster Dr. Trond Arne Undheim deliver an urgent and incisive exploration of how to facilitate agile processes amongst a millennial

workforce that already lives by many of its tenets. The book demonstrates how to abandon legacy industrial technology that is failing modern operations and hindering operational excellence and digital progress. As an executive and leader, you cannot fall prey to hyped-up notions of industry 4.0's factory of the future automation, artificial intelligence, internet of things, sensors, digital twins, and augmented reality fixing every problem. Instead, to truly reduce cognitive load, complexity, and frustrations in the workplace, we must build cyber-physical technologies so that humans remain at the center. Leaders must ensure that the technology they deploy at an industrial scale has fluid interfaces that demonstrably simplifies work and makes operations more

flexible without introducing fear, uncertainty, or doubt. The authors provide: A step-by-step walkthrough of the Augmented Lean framework that shows readers when, how, and why to augment your workforce through cyber-physical principles that go beyond both Lean and Agile management practices. Concrete strategies on how to scale these operational augmentation methods throughout your organization based on real-world case studies of operators in the trenches of manufacturing whose impact far outweighs their seniority in the corporate hierarchy. Insightful advice for how to use the augmentation framework in small- and medium-sized enterprises where license and training costs are prohibitive when only using off-the-shelf

industry 4.0 approaches. A thoroughly practical playbook for augmenting your workforce with the latest cyber-physical adaptations to digital technologies, Augmented Lean provides you with the organizational-, process-, and management-level techniques you need to get the most out of your employees. In turn, as an operator, engineer, or industrial worker reading this book, you will become empowered to be a change agent through no-code interfaces instead of remaining a recipient of endless training demands and ever-increasing technological complexity. Augmented Lean will orient you towards the future with the most effective tools to cut through hype so you can instantly apply your learnings and be productive wherever you currently operate.

**IMO News** John Wiley & Sons  
 PortNet provides digital communication and integration between economic operators and suppliers of both public and private services, with the objective of improving the indicators of efficiency, agility, and ease of operation in the area of import and export of goods. Created in 2009 as a pioneer project in the Moroccan Ministry of Transport with the Moroccan National Ports Agency (ANP), over the last decade PortNet was early to adopt an approach and attitude to drive the digitalization of Morocco's logistics sector. Its efforts culminated in the creation of an innovative digital tool that has been key to continually modernizing Morocco's logistics sector—the Single Window. The vision of creating value and accelerating digital

transformation has led to the creation of an entire ecosystem, one that is represented within this 17-page report. With representatives from the banking sector, maritime authorities international, and Moroccan shipping agents, port operators, and more, TBY brings insights from across the ecosystem that lays out the recent challenges and the opportunities on the horizon.

**White Paper Blockchain in Trade Facilitation** Springer Nature

E-logistics serves as the nerve system for the whole supply chain and enables smooth information flow within and between organizations. This contributed book focuses on the strategic role of e-logistics in today's dynamic global environment. In E-Logistics international

experts from both academia and industry examine how competitiveness and productivity in transport, logistics and supply chain management can be improved using e-logistics systems and technologies. A variety of successful e-logistics business approaches are discussed covering a range of commercial sectors and transport modes. Separate chapters consider e-logistics developments for air freight; rail freight; road freight; sea transport and port systems. Subsequent chapters address in depth support systems for B2C and B2B e-commerce and e-fulfilment, warehouse management, RFID, electronic marketplaces, global supply network visibility, and service chain automation. Industry case studies are used to support the discussion. The

book also investigates emerging technologies in e-logistics and considers what the future might hold in this rapidly changing and developing field.

Reviving Businesses With New Organizational Change Management Strategies Springer Science & Business Media

Port Inter-Organizational Information Systems aims at providing insights into the ways global sea ports are challenged by the need for managing complex information flows, given the developments in global supply chains. We argue that special port IT capabilities are needed to address these challenges by sharing information and planning and executing container transport in a collaborative way, establishing inter-organizational information architectures,

and coordinating interests to successfully implement the technological infrastructures. We focus on the role of port community systems that support port communities in meeting the demands of global supply chains. Port Inter-Organizational Information Systems has a multidisciplinary nature and should be of interest to students, researchers, and practitioners in several fields, including information management, information systems, operations management, supply chain management, and technology management. The book combines a number of chapters where concepts are explained, while referring to a large repository of case studies provided in an appendix. Also, an introduction to the container transport network is provided

in another appendix.

E - Navigation Basics Walter de Gruyter GmbH & Co KG

Containing studies from all over the world Urban Transport XXII consists of papers presented at the 22nd International Conference on Urban Transport and the Environment. The conference has been successfully held annually since it first started in Southampton in 1995. Transportation in urban areas, with its related environmental and social impacts, is a topic of significant concern for policymakers in both municipal and central government and for the urban citizens who need effective and efficient transport systems. Urban transport systems require considerable studies to devise and then safeguard their

operational use, maintenance and safety. Transportation systems produce significant environmental impacts and can enhance or degrade the quality of life in urban centres. A distinctive element of the Urban Transport and the Environment series is the interaction between academic and practical perspectives where theories and ideas are debated and their practical applications rigorously tested. Clearly the issue of providing effective and efficient transport systems in the urban setting remains an acute challenge with financial, political and environmental constraints limiting the ability of transport system planners and operators to deliver the high quality outcomes expected by the public. Topics covered include: Environmental impact;

Environmentally friendly transport modes; Transport strategies; Public transport systems; Transport modelling; Urban transport simulation; Transport safety and security; Infrastructure; Intermodal transport systems; Port and airport cities; Land use and transport integration; Transport policy and regulations; Experiences from emerging countries; Non-motorized transport models; Intelligent transport systems; Electromobility; Mobility and urban space; Sustainability and resilience; Emerging transport systems; Energy efficiency.

*Digitalizing the Port Call Process* Now Publishers Inc

At first glance there seems to be a fragmented nature of the maritime digital solution market, yet, after reading

this book the 'big picture' becomes clear and everything is put into the right context. Over the last decades, and after numerous projects, committee work, and industry initiatives (all described in this book), the contours of E-navigation eventually distilled to a clear structure. On one hand the E-navigation framework provides reliable guidance, but on the other hand leaves sufficient flexibility for further technological and also procedural advancements. Realisations of E-navigation are in use already, being closely linked e.g. with modern integrated ship-bridges, the layout of information on navigational screens, Maritime Single Windows, port-call optimisation platforms, even the entire multi-modal transport chain. Next to the initiatives in Europe, special attention is

given to the enormous E-navigation project in the Republic of Korea, targeted to facilitate the country's transition from a ship-building nation to a leader in the maritime digital world. The book not only takes an actual summary of the E-navigation development, but also highlights benefits and opportunities for various stakeholders. The target group includes those operating the ships at sea and at port, business prime movers, formative maritime authorities, and researchers.

**Port Cybersecurity** Springer Nature  
Includes bibliographical references and indexes.

**Computational Logistics** BoD – Books on Demand  
The Pragmatic Guide to Driving Value and Disrupting Markets with Blockchain



"Blockchain's potential to transform businesses has generated a tremendous amount of excitement across industries. However, it can be difficult for decision makers to develop a practical approach to blockchain for their specific business requirements. By identifying and clearly describing the value of blockchain for enterprises, as well as the processes required to harness blockchain to achieve business objectives, Blockchain for Business presents a startlingly concise yet comprehensive roadmap for business leaders. This book is an excellent resource for anyone looking to leverage blockchain to transform their business." —Dr. Won-Pyo Hong, President & CEO of Samsung SDS "Much has been written about blockchain in the past few years: what it is and what it is

not (at various levels of detail), as well as the technology's long-term strategic value for companies, industries, and economies. However, what we've been missing is a practical, operational, 'how to' set of steps for creating, implementing, and operating a blockchain-based solution. This book aims to fill that gap. It's an invaluable tool for anyone ready to take the plunge and start taking advantage of this remarkable technology." —Irving Wladawsky-Berger, research affiliate, MIT; columnist, WSJ CIO Journal; VP Emeritus, IBM "I will never be able to adequately express how useful this book will be to my class. In addition the great chapters on cybersecurity, I loved the Integration Models, especially 'Coexistence with Systems of Record.'

Legacy integration with Blockchain is a critical barrier, and you nailed it!"  
 —Thomas Doty, JD, LL.M. - Adjunct Professor, University of New Hampshire Law  
 Blockchain enables enterprises to reinvent processes and business models and to pursue radically disruptive applications. Blockchain for Business is a concise, accessible, and pragmatic guide to both the technology and the opportunities it creates. Authored by three experts from IBM's Enterprise Blockchain practice, it introduces industry-specific and cross-industry use cases, and reviews best-practice approaches to planning and delivering blockchain projects. With a relentless focus on real-world business outcomes, the authors reveal what blockchain can do, what it can't do yet, and where it's

headed. Understand five elements that make blockchain so disruptive: transparency, immutability, security, consensus, and smart contracts Explore key use cases: cross-border payments, food and drug safety, provenance, trade finance, clinical trials, land registries, and more See how trusted blockchain networks are facilitating entirely new business models Compare blockchain types: permissioned, permissionless, private, public, federated, and hybrid Anticipate key technical, business, regulatory, and governance challenges Build blockchain financial models, investment rubrics, and risk frameworks Organize and manage teams to transform blockchain plans into reality Whether you're a senior decision maker, technical professional, customer, or

investor, Blockchain for Business will help you cut through the hype and objectively assess blockchain's potential in your business. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

*Handbook of Sustainability Science in the Future* Oxford University Press

As part of the UML standard OCL has been adopted by both professionals in industry and by academic researchers and is one of the most widely used languages for expressing object-oriented system properties. This book contains key contributions to the development of OCL. Most papers are developments of work reported at different conferences and workshops. This unique compilation addresses many important issues faced

by advanced professionals and researchers in object modeling like e.g. real-time constraints, type checking, and constraint modeling.

**Contemporary Logistics in China** The Business Year

Global Logistics and Supply Chain Management is a comprehensive, fully up-to-date introduction to the subject. Addressing both practical and strategic perspectives, this revised and updated fourth edition offers readers a balanced and integrated presentation of Logistics and Supply Chain Management (LSCM) concepts, practices, technologies, and applications. Contributions from experts in specific areas of LSCM provide readers with real-world insights on supply chain relationships, transport security, inventory management, supply

chain designs, the challenges inherent to globalization and international trade, and more. The text examines how information, materials, products, and services flow across the public and private sectors and around the world. Detailed case studies highlight LSCM practices and strategies in a wide range of contexts, from humanitarian aid and pharmaceutical supply chains to semi-automated distribution centers and port and air cargo logistics. Examples of LSCM in global corporations such as Dell Computer and Jaguar Land Rover highlight the role of new and emerging technologies. This edition features new and expanded discussion of contemporary topics including sustainability, supply chain vulnerability, and reverse logistics, and places greater

emphasis on operations management.

Can Blockchain Revolutionize International Trade? World Bank Publications

This book provides a series of case studies concerning ports and port communities from around the world, in attempt to determine the impact of globalisation on the port industry and the link between local and global port conditions. It also presents the case for the absolute necessity of ports and port systems to trade and industry on a global scale. The book is comprised of ten essays, the first six of which concern local issues in a rapid globalising industry. The second section contains the remaining four essays, which consider port systems from national perspectives.

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