
Imo Global Integrated Shipping Information System Gisis

Theory and Applications

Climate Action

Maritime Technology and Engineering

Shipbreaking: Hazards and Liabilities

Managing Risks and Liabilities

Concepts, Methodologies, Tools, and Applications

Review of the techno-economic performance of
the main global fishing fleets

Reliability, Risk, and Safety, Three Volume Set

Marine Pollution, Shipping Waste and

International Law

The Europa Directory of International

Organizations 2021

Who greens the waves?

Obligations and Control of Flag States

Cooperation and Engagement in the Asia-Pacific
Region

Port Management and Operations

Current and Future Developments

Environmental Impact of Ships

Volume 2: Emerging Trends in Ports

Pollution Prevention Equipment Under MARPOL.

Developments and Perspectives in International Law and EU Law
Consequences of Maritime Critical Infrastructure Accidents
Maritime Informatics
Tackling Marine Debris in the 21st Century
An International Perspective
Marine Anthropogenic Litter
Report of the open-ended Technical Working Group on information exchange meeting
Report of the second meeting of the Agreement on Port State Measures (PSMA) Open-Ended Technical Working Group on Information Exchange, Seoul, Republic of Korea, 15 to 17 May 2019
Volume III: The IMO and Global Ocean Governance
Commercial Shipping Handbook, Second Edition
The Europa Directory of International Organizations 2020
Transnational Crime and Global Security [2 volumes]
A Requiem for Environmental Justice from the Perspective of Bangladesh
Shipbreaking in Developing Countries
Dynamic Shipping and Port Development in the Globalized Economy
Unconventional Lawmaking in the Law of the Sea
Changing authority in the environmental governance of shipping and offshore oil and gas production
The IMLI Treatise On Global Ocean Governance

Review of Maritime Transport 2015
Risk Analysis for Prevention of Hazardous
Situations in Petroleum and Natural Gas
Engineering

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KIM CLARK

**Theory and
Applications** Food &
Agriculture Org.

This book provides an overview of contemporary trends and challenges in maritime energy management (MEM). Coordinated action is necessary to achieve a low carbon and energy-efficient maritime future, and MEM is the prevailing framework aimed at reducing greenhouse gas emissions resulting from maritime industry activities. The book familiarizes readers with the status quo in

the field, and paves the way for finding solutions to perceived challenges. The 34 contributions cover six important aspects: regulatory framework; energy-efficient ship design; energy efficient ship and port operation; economic and social dimensions; alternative fuels and wind-assisted ship propulsion; and marine renewable energy. This pioneering work is intended for researchers and academics as well as practitioners and policymakers involved in this important field. [Climate Action](#) Oxford University Press
This two-volume work offers a comprehensive

examination of the distressing topics of transnational crime and the implications for global security. • Represents global collaboration among contributors including scholars from respected universities in Europe, North America, and Australia; professionals at public policy research institutes; and researchers at several United Nations entities • Provides perspectives from contributors of geographic diversity and varied backgrounds that combine to form a global panorama of crime and security topics • Provides readers a single work to learn about both specific transnational crimes (Volume 1) and efforts to prevent and combat those crimes

(Volume 2) • Prefaces each chapter with an introduction that contextualizes content for closer reading
Maritime Technology and Engineering IMO Publishing
 Maritime Technology and Engineering includes the papers presented at the 2nd International Conference on Maritime Technology and Engineering (MARTECH 2014, Lisbon, Portugal, 15-17 October 2014). The contributions reflect the internationalization of the maritime sector, and cover a wide range of topics: Ports; Maritime transportation; Inland navigat
Shipbreaking: Hazards and Liabilities Springer Nature
 This review of the

techno-economic performance of the main global fishing fleets discusses the outcomes from 20 country-level studies of fishing fleets from Africa, Asia, Europe, North and South America. It includes financial, socio-economic and technical information from 103 major (semi-) industrial fishing fleet segments, which are responsible for an estimated 39 percent of marine capture fisheries production worldwide. The analysis of vessel characteristics reveals substantial differences in fishing capacity (in terms of vessel length, tonnage and power) between fleet segments. An increase in the gross tonnage of average vessels was observed in fleet segments also covered

in previous reviews. Substantial increases in average length overall and engine power were observed in several Asian fishing fleets. The age structure of the fishing fleets in most regions, except Asia, shows an upward trend. An analysis of the costs and earnings data showed that labour and running costs were the two main cost components for the majority of fleet segments. Ninety-two percent of 97 fleet segments reported a positive net cash flow in the year they were surveyed, in the 2016–2019 period. Net profit margins of 10 percent or more were realized by average fishing vessels in 73 percent of the fleet segments. Returns on investment (ROIs) of

10 percent or higher were realized by 61 percent of the fleet segments. The review also discusses developments in fishing technologies. These developments, along with a general increase in seafood prices, successful fisheries management in some areas, and improved fleet capacity management in Europe and North America, have all contributed to the ongoing, positive financial and economic performance of the main global fishing fleets in recent years. *Managing Risks and Liabilities* CRC Press Waste management poses increasing challenges to both the protection of the environment and to human health. To face these challenges, this book claims that

environmental law needs to shift attention from media-specific pollution regimes to integrative life-cycle approaches of waste management i.e., from the prevention of waste generation to the actual handling of wastes. Furthermore, the cooperation of States and the establishment of coordinated activities is essential because states can no longer have separate standards for wastes posing transboundary risks and for 'purely domestic' wastes. Drawing upon both International and EU law, the book provides a detailed analysis of the regimes set up to deal with the transboundary movement of wastes and ship-source pollution, so as to

elucidate the obligations and legal principles governing such regimes. It concludes that treaty obligations concerning transboundary movements of wastes are inapplicable to ship wastes while on board ships and on land. However, despite the limitations of the transboundary movement of wastes regime, the principle of Environmentally Sound Management (ESM) embodied in this regime has gradually transformed into a legal principle. ESM works to address the legal gaps in the regulation of wastes, and consequently, it provides the desired coherence to the legal system since it acts as a bridge between several regulatory and sectoral levels.

Furthermore, ESM offers a new light with which to understand and interpret existing obligations, and it provides a renewed impetus to regimes that directly and indirectly govern wastes. This impetus translates into greater coordination and the establishment of cross-sectional policies. By offering alternative ways to solve problems linked to the management of ship wastes in the sea-land interface, this book will appeal to anyone with an interest in International Environmental Law.

**Concepts,
Methodologies,
Tools, and
Applications**

Enforcing International Maritime Legislation on Air Pollution through UNCLOS

This book describes how man-made litter, primarily plastic, has spread into the remotest parts of the oceans and covers all aspects of this pollution problem from the impacts on wildlife and human health to socio-economic and political issues. Marine litter is a prime threat to marine wildlife, habitats and food webs worldwide. The book illustrates how advanced technologies from deep-sea research, microbiology and mathematic modelling as well as classic beach litter counts by volunteers contributed to the broad awareness of marine litter as a problem of global significance. The authors summarise more than five decades of marine litter

research, which receives growing attention after the recent discovery of great oceanic garbage patches and the ubiquity of microscopic plastic particles in marine organisms and habitats. In 16 chapters, authors from all over the world have created a universal view on the diverse field of marine litter pollution, the biological impacts, dedicated research activities, and the various national and international legislative efforts to combat this environmental problem. They recommend future research directions necessary for a comprehensive understanding of this environmental issue and the development of efficient

management strategies. This book addresses scientists, and it provides a solid knowledge base for policy makers, NGOs, and the broader public. Review of the techno-economic performance of the main global fishing fleets Maritime Institute of Malaysia (MIMA)
From driverless cars to vehicular networks, recent technological advances are being employed to increase road safety and improve driver satisfaction. As with any newly developed technology, researchers must take care to address all concerns, limitations, and dangers before widespread public adoption.
Transportation Systems and Engineering: Concepts,

Methodologies, Tools, and Applications addresses current trends in transportation technologies, such as smart cars, green technologies, and infrastructure development. This multivolume book is a critical reference source for engineers, computer scientists, transportation authorities, students, and practitioners in the field of transportation systems management.
Reliability, Risk, and Safety, Three Volume Set Taylor & Francis
Enforcing International Maritime Legislation on Air Pollution through UNCLOS Bloomsbury Publishing
Marine Pollution, Shipping Waste and International Law Springer
This unique title

examines in depth issues of jurisdiction, maritime law and practice from a modern perspective and highlights the importance of risk management with a view to avoiding pitfalls in litigation or arbitration and minimising exposure to liabilities. The third edition has been fully revised and restructured into two self-contained volumes, the first covering jurisdictional issues and risks and the second exploring the diverse aspects of maritime law, risks and liabilities. The second volume tackles the substantive maritime law with a particular emphasis on risk and liabilities, and analyses issues of contract, tort and criminal law, causation and

remoteness of damages. Key features of Volume Two include: An analysis of the regulatory regime, new EU and IMO safety at sea legislation, reforming practices for flag states and recognised organisations, vetting, codes of good practice, and International Conventions. An explanation of the Rules of attribution of liability, the impact of the ISM Code upon liabilities, including criminal, corporate manslaughter, and the new Directive for ship-source pollution. Important developments in areas including: Ship-managing risks, best endeavours and fiduciary duties Mortgagees risks and economic torts New BIMCO standard terms

of contracts Ship-sale risks - including sale 'as is' and 'as she was' Shipbuilding risks - guarantees and performance bonds New trends on wrongful acts of employees, collisions and measure of damages, salvage issues, environmental salvage, and towage contracts Piracy risks cases and general average New perspectives on risks and liabilities of port authorities Pollution liabilities, including trends of prosecution of class societies and charterers and new limits of liability under International Conventions Purchase Volumes 1 and 2 of the Modern Maritime Law together for a reduced price at <http://www.routledge.com/books/details/9780>

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The Europa Directory of International Organizations 2021
United Nations
Containing papers presented at the 18th European Safety and Reliability Conference (Esrel 2009) in Prague, Czech Republic, September 2009, Reliability, Risk and Safety Theory and Applications will be of interest for academics and professionals working in a wide range of industrial and governmental sectors, including Aeronautics and Aerospace, Aut
Who greens the waves? Oxford University Press
Project supported by many international agencies.
Obligations and Control of Flag States BRILL
The Europa Directory of International

Organizations 2020 serves as an unequalled one-volume guide to the contemporary international system. Within a clear, unique framework the recent activities of all major international organizations are described in detail. Given alongside extensive background information the reader is able to assess the role and evolving functions of these organizations in today's world. The contact details, key personnel and activities of more than 2,000 international and regional entities have again been thoroughly researched and updated for this 20th edition. Highlights in this edition include: - a fully revised Who's Who section with

biographical details of the key players in the international system. - the response of the international community to crises and conflicts throughout the world. - introductory essays, written and updated by experts in their field, which consider topics including global environmental governance, the international criminal justice system, international humanitarian co-operation, and governance of the global economy. *Cooperation and Engagement in the Asia-Pacific Region* Oxford University Press, USA
Among the resolutions taken was the creation of a global information exchange system to support

implementation of the Agreement on Port State Measures that would include a publicly available information section, facilitating near-real time exchange.

Port Management and Operations

Food & Agriculture Org. The Condition Assessment Scheme (CAS) for oil tankers was adopted in 2001 and is applicable to all single-hull tankers of 15 years or older. Although the CAS does not specify structural standards in excess of the provisions of other IMO conventions, codes and recommendations, its requirements stipulate more stringent and transparent verification of the reported structural condition of the ship and that documentary and

survey procedures have been properly carried out and completed. The Scheme requires that compliance with the CAS is assessed during the Enhanced Survey Program of Inspections concurrent with intermediate or renewal surveys currently required by resolution A.744(18), as amended.--

Publisher's description. *Current and Future Developments* CRC Press

The second meeting of the PSMA Open-ended Technical Working Group on Information Exchange (TWG-IE) was held in Seoul, Republic of Korea, from 15 to 17 May 2019.

The TWG-IE commended the advances made in the sharing of information on designated ports

and national contact points and recommended the development of a working prototype of the PSMA global information exchange system (GIES) to support the implementation of the PSMA.

Environmental Impact of Ships

Wageningen Academic Publishers

The marine environment is under serious pressure from human activities. The transboundary and large-scale nature of these threats require cooperation between states, and between states, industries and NGOs. Marine governance therefore becomes a breeding ground for innovation: multi-level and multi-actor governance and changing spheres of

authority. This book applies the concept "spheres of authority" to investigate the nature of these innovations in governing shipping and offshore oil and gas production. In the environmental governance of shipping, authority is shifting from states that own ships to states that own ports. The environmental governance of offshore oil and gas production shows a shared authority for developing and implementing policies between state and industry, but not a diminishing authority of the state.

Volume 2: Emerging Trends in Ports

Routledge

This first book on Maritime Informatics describes the potential

for Maritime Informatics to enhance the shipping industry. It examines how decision making in the industry can be improved by digital technology, and introduces the technology required to make Maritime Informatics a distinct and valuable discipline. Based on participating in EU funded research over the last six years to improve the shipping industry, the editors stipulate that there is a need for the new discipline of Maritime Informatics, which studies the application of information systems to increasing the efficiency, safety, and ecological sustainability of the world's shipping industry. This book examines competition

and collaboration between shipping companies, and also companies who serve shipping needs, such as ports and terminals. Practical examples from leading experts give the reader real world examples for better understanding.

Pollution Prevention Equipment Under MARPOL. Routledge The Europa Directory of International Organizations 2021 serves as an unequalled one-volume guide to the contemporary international system. Within a clear, unique framework the recent activities of all major international organizations are described in detail. Given alongside extensive background information the reader is able to assess the

role and evolving functions of these organizations in today's world. The contact details, key personnel and activities of more than 2,000 international and regional entities have again been thoroughly researched and updated for this 23rd edition. Highlights in this edition include: - a fully revised Who's Who section with biographical details of the key players in the international system. - the response of the international community to crises and conflicts throughout the world. - specially-commissioned introductory essays cover topics including global environmental governance, transboundary water management, and

multilateral governance and global action on health. Developments and Perspectives in International Law and EU Law Springer Consequences of Maritime Critical Infrastructures Accidents presents a probabilistic general model of critical infrastructure accident consequences. This include three models of the process of the events generated by a critical infrastructure accident, the process of the environment threats and the process of environment degradation. This is all created and adopted to the maritime transport critical infrastructure, with a focus on shipping networks applied to accident consequences modeling.

Consequences of Maritime Critical Infrastructures Accidents is devoted to the assessment methods of consequences of environmental damages, with application to ship accidents. It is a new approach that has never been proposed and applied before and includes methods of modeling, identification, prediction and optimization to allow the reader to better understand the effects of these accidents on our oceans. Moreover, the general procedures and the new strategy presented in the book aim to lower environment losses concerned with chemical releases caused by an accident of ship critical

infrastructure network operating within the Baltic Sea or world sea waters. Provides a complete approach to accident consequences modeling, identification, prediction and optimization Presents the theoretical background, which can be applied practically to maritime critical infrastructure accident consequences analysis Includes a general model for critical infrastructure accident consequences which is globally applicable and with wide applications in various industrial sectors

Consequences of Maritime Critical Infrastructure Accidents

Springer
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

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