

## An Introduction To Bunkering By Nigel Draffin

The Global Casino is a compelling introduction to environmental issues which links the physical environment to its political, social and economic contexts. Case studies from around the globe are used to illustrate key environmental issues, from global warming and deforestation to natural hazards and soil erosion. The book highlights the underlying causes behind environmental problems, including human actions and emphasises the potential for solutions. In line with contemporary international trends, emphasis is placed on the critical concept of sustainable development. This new edition has been thoroughly revised and updated, with the introduction of new illustrative material and up-to-the-minute case studies on topics such as endangered deep-sea species, the global uptake of unleaded petrol, geothermal energy in Iceland, genocide in Rwanda and the Indian Ocean tsunami of 2004. Particularly useful features for students include points for discussion at the end of each chapter as well as a comprehensive glossary. The lists of key readings and websites, again linked specifically to the content of each chapter, have been fully updated and expanded. The Global Casino is the essential course companion for students of the environment, geography, earth sciences and development studies.

Time Charters is recognised as the most comprehensive reference work in its field. The book has been updated to include new developments that affect the law and practice of time charters. Maintaining the clear and logical format adopted in the previous editions, Time Charters provides access to the case law to enable users to find, easily and quickly, leading authorities on any particular question that might arise. There are also separate sections dealing with the Baltime Form and the STB Form of Tanker Time Charter.

In 1974, a scientific conference covering marine automation group and large vessels issues was organized under the patronage of the Technical Naval Studies Centre (CETENA) and the Italian National Research Council (CNR). A later collaboration with the Marine Technical Association (ATENA) led to the renaming of the conference as NAV, extending the topics covered to the technical field previously covered by ATENA national conferences. The NAV conference is now held every 3 years, and attracts specialists from all over the world. This book presents the proceedings of NAV 2018, held in Trieste, Italy, in June 2018. The book contains 70 scientific papers, 35 technical papers and 16 reviews, and subjects covered include: comfort on board; conceptual and practical ship design; deep sea mining and marine robotics; protection of the environment; renewable marine energy; design and engineering of offshore vessels; digitalization, unmanned vehicles and cyber security; yacht and pleasure craft design and inland waterway vessels. With its comprehensive coverage of scientific and technical maritime issues, the book will be of interest to all those involved in this important industry.

An Introduction to Cybercultures provides an accessible guide to the major forms, practices and meanings of this rapidly-growing field. From the evolution of hardware and software to the emergence of cyberpunk film and fiction, David Bell introduces readers to the key aspects of cyberculture, including email, the internet, digital imaging technologies, computer games and digital special effects. Each chapter contains 'hot links' to key articles in its companion volume, The Cybercultures Reader, suggestions for further reading, and details of relevant websites. Individual chapters examine: · Cybercultures: an introduction · Storying cyberspace · Cultural Studies in cyberspace · Community and cyberculture · Identities in cyberculture · Bodies in cyberculture · Cybersubcultures · Researching cybercultures

The first edition of this book was quickly acclaimed as the new leading text worldwide on the law and practice of pollution from ships. The second edition deals with a variety of developments since then in this fast-moving subject: the Erika and

the Prestige; changes in international law on maritime safety and compensation; latest decisions on claims for compensation; analysis of the SCOPIC regime; new material on ports of refuge, transboundary movements, and pollution from offshore craft; latest cases and regulatory changes in the US; and enlarged chapters on enforcement of laws and criminal sanctions. Like its predecessor, the second edition is superbly indexed and written clearly with the needs in mind of a wide international readership.

Local Content and Sustainable Development in Global Energy Markets analyses the topical and contentious issue of the critical intersections between local content requirements (LCRs) and the implementation of sustainable development treaties in global energy markets including Africa, Asia, Europe, North America, Latin America, South America, Australasia and the Middle East While LCRs generally aim to boost domestic value creation and economic growth, inappropriately designed LCRs could produce negative social, human rights and environmental outcomes, and a misalignment of a country's fiscal policies and global sustainable development goals. These unintended outcomes may ultimately serve as disincentive to foreign participation in a country's energy market. This book outlines the guiding principles of a sustainable and rights-based approach - focusing on transparency, accountability, gender justice and other human rights issues - to the design, application and implementation of LCRs in global energy markets to avoid misalignments.

This book provides an analysis and comparison of international insolvency rules, maritime laws and their inevitable intersection in maritime cross-border insolvencies. Until today, the on-going shipping crisis resulted in the insolvency of numerous shipping companies all over the world. The tensions arising between the legal systems of maritime and insolvency law, paired with conflicts of law in maritime insolvencies, are a major source of legal uncertainty and risk. In 2010, the Comité Maritime International installed an international working group on international maritime insolvencies and until today it is work in progress. This book gives an overview on maritime insolvencies, with a focus on Germany, England & Wales and the USA, and assesses the chances of achieving meaningful harmonization in the complex scenarios, where ships as mobile assets add a further complication to international insolvency proceedings.

### An Introduction to Bunkering

This book is a highly respected and invaluable introduction to the bunker industry. It provides clear answers to complicated questions and its useful, up-to-date data and illustrations will help anyone in the maritime industry to understand exactly what bunkering is all about.

This unique volume presents the achievements of the land, sea and air transport industry of Singapore in the last 50 years after Singapore gained its independence in 1965. It provides a comprehensive overview of Singapore's progress in

transportation from a typical third world system in the 1960s to one that is currently in the top league globally in all aspects of passenger and freight transportation. Singapore's successes in land transport planning, urban traffic management, and public transport systems provide valuable experience for major cities worldwide. The emergence of the Singapore Port as the most efficient container port in the world is another success story that inspires both established and up-and-coming port operators alike. The ambitious goal of Singapore to develop itself into a maritime knowledge hub of the future is a bold and exciting undertaking catching worldwide attention. In air transport, Singapore is well known for its efficiency as a major regional hub. This book examines in detail the important milestones and background developments that have led to the highly advanced state of transportation systems in the land, sea and air transport of Singapore today. Each chapter is written by professionals who are themselves part of the success stories presented. The chapter authors are specially invited to provide a professional account of the topics of their expertise. The authors have been able to draw on extensive amounts of published and unpublished documents and reports to present a comprehensive picture for the subject of interest in each chapter. As a whole, the book offers a holistic and informative professional reference book on the major happenings and achievements of Singapore in the transportation sector. This book describes a wide range real-case applications of Multi-Criteria Decision Making (MCDM) in maritime related subjects including shipping, port, maritime logistics, cruise ports, waterfront developments, and shipping finance, etc. In such areas, researchers, students and industrialists, in general, felt struggling to find a step-by-step guide on how to apply MCDM to formulate effective solutions to solving real problems in practice. This book focuses on the in-depth analysis and applications of the most well-known MCDM methodologies in the aforementioned areas. It brings together an eclectic collection of twelve chapters which seek to respond to these challenges. The book begins with an introduction and is followed by an overview of major MCDM techniques. The next chapter examines the theory of analytic hierarchy process (AHP) in detail and investigates a fuzzy AHP (FAHP) approach and its capability and rationale in dealing with decision problems of ambiguous information. Chapter 4 proposes a generic methodology to identify the key factors influencing green shipping and to establish an evaluation system for the assessment of shipping greenness. In Chapter 5, the authors describe a new function of fuzzy Evidential Reasoning (ER) to improve the vessel selection process in which multiple criteria with insufficient and ambiguous information are evaluated and synthesized. Chapter 6 presents a novel methodology by using an Artificial Potential Field (APF) model and the ER approach to estimate the collision probabilities of monitoring targets for coastal radar surveillance. Chapter 7 develops the inland port performance assessment model (IPPAM) using a hybrid of AHP, ER and a utility function. The next chapter showcases a challenging approach to address the risk and uncertainty in LNG transfer operations, by utilizing a Stochastic Utility Additives (UTA)

method with the help of the philosophy of aggregation–disaggregation coupled with a robustness control procedure. Chapter 9 uses Entropy and Grey Relation Analysis (GRA) to analyze the relative weights of financial ratios through the case studies of the four major shipping companies in Korea and Taiwan: Evergreen, Yang Ming, Hanjin and Hyundai Merchant Marine. Chapter 10 systemically applies modern heuristics to solving MCDM problems in the fields of operation optimisation in container terminals. Arguing that bunkering port selection is typically a multi-criteria group decision problem, and in many practical situations, decision makers cannot form proper judgments using incomplete and uncertain information in an environment with exact and crisp values, in Chapter 11, the authors propose a hybrid Fuzzy-Delphi-TOPSIS based methodology with a sensitivity analysis. Finally, Chapter 12 deals with a new conceptual port performance indicators (PPIs) interdependency model using a hybrid approach of a fuzzy logic based evidential reasoning (FER) and a decision making trial and evaluation laboratory (DEMATEL).

2011 Updated Reprint. Updated Annually. Malta Energy Policy, Laws and Regulation Handbook

· Why is Malaysia far behind in the bunkering industry? · What is the economic potential of the bunkering industry? · Who should play the role of governing the industry? There is a dire need to facilitate the bunkering industry in Malaysia, seeing as how 95% of world trade is seaborne. This book highlights five issues from the ground to illustrate the industry's behind-the-scenes, complete with perspective from Malaysian industry players.

Many people in the Niger Delta may not have heard of the term “environmental injustice” before, but it is just a new word for an old problem. Environmental justice is based on the principle that all people have a right to be protected from environmental pollution and to live in and enjoy a clean and healthy environment. In the Niger Delta environmental injustice is experienced mostly from the activities of the oil industries which have degraded the land, contaminated the water and polluted the air without proper compensation. Gas leakage is killing many people and continues to have a negative impact on the lives of the people living around the area. The aim of this book is to raise awareness of the issues affecting the Niger Delta region, and to encourage involvement in the cause.

This book consists of edited versions of the papers delivered at the Institute of International Shipping and Trade Law's 12th International Colloquium at Swansea Law School in September 2016. Featuring a team of contributors at the top of their profession, both in practice and academia, these papers have been carefully co-ordinated so as to ensure to give the reader a first class insight into the issues surrounding charterparties. The book is set out in three parts. -Part I offers a detailed and critical analysis of issues of contemporary importance concerning time charters. -Part 2 carries out a similar analysis with regard to voyage charterparties. -Part 3 deliberates issues common to both type of charterparties. Offering critical analysis of contemporary legal issues on charterparty contracts, this book considers recent legal and practical

developments and is therefore essential reading for both professional and academic readers with an interest in charterparties.

This book is focused on the impact of ocean transport logistics on global supply chains. It is the first book solely dedicated to the topic, linking the interaction of parties along this chain, including shippers, terminal operators and line carriers. While ocean container transport logistics has been greatly studied, there are many important issues that have yet to receive the attention they deserve. The editors and contributing authors of *Ocean Container Transport Logistics: Making Global Supply Chain Effective* seek to address these topics and shed new light on the subject. The book is divided into three parts. Part I examines the innovation, trends, competition and business model of container terminal operations. In Part II, the book looks at how tactical and operational management is used in shipping liners. The chapters cover topics such as empty container repositioning, slow steaming, routing, network design and disruption management. Finally Part III explores at shippers and global supply chain management, with chapters on transportation service procurement, hinterland transportation, green corridors, as well as competition and co-operation in maritime logistics operations. The eighteen chapters of the book all highlight the immediate effect of ocean transport logistics on global supply chain.

In its March 2016 Economic Bulletin, the Central Bank of T & T stated that after negative growth of 1% in 2014, T & T's economy contracted by a further 2.1% in 2015, as per provisional data. Meanwhile, government revenue fell by 6.2% in FY 2014/15, with a 35% decline in energy collections outstripping increases in non-energy and capital receipts. Nonetheless, the recessionary environment is not without opportunity for the country's new leadership. As the Government of Keith Rowley, which assumed office in September 2015, works to bring government spending under control, policies aimed at economic diversification could be set to gain further traction. Moreover, given that T & T has a safety buffer in the form of strong foreign currency reserves and a sovereign wealth fund, there is a relatively room to manoeuvre.

This book provides a comprehensive exploration of some of the most critical issues regarding the EUs Energy Union policy. Applied European energy policies face a number of challenges ranging from the geopolitics of energy and energy regulation, to climate change, advancing renewable and gas technologies, and consumer empowerment structures. This book takes a multi-dimensional look into some of these vital issues regarding the European energy sector with a special focus on the effects the Energy Union policy has in two sensitive regional systems, Southeastern Europe and the Eastern Mediterranean. Energy, being by definition a multi-disciplinary field, presents a challenge for readers of any specific disciplinary background that need to grasp an overall understanding of the various aspects of this exciting sector. This books objective is to offer the opportunity for readers to get a quality, hands-on overview of the Energy Union by the professionals and academics that interact with it on a daily basis. Michalis Mathioulakis is an Energy Strategy Analyst and the Academic Director of the Greek Energy Forum. He is a research

associate at the Institute of International, European and Defence Analyses of the University of Macedonia in Thessaloniki, where he is responsible for the analysis of the energy sector in MENA and the Eastern Mediterranean. He has substantial working experience in the financial sector as a broker and analyst, as well as the private education sector, teaching Finance and Risk Analysis in Executive MBA programs. He is currently providing consulting services regarding energy strategy and energy regulation for Law firms and Consulting firms associated with the energy sector.

Bachelor Thesis from the year 2017 in the subject Business economics - Trade and Distribution, grade: 1,0, Hamburg University of Applied Sciences, language: English, abstract: The International Maritime Organization confirmed in 2016 the introduction of a global sulphur cap in 2020, establishing a 0.5% sulphur content limit in fuels. All shipping companies operating in international waters will be affected by this emission regulation. LNG as a maritime fuel is widely thematised in current discussions regarding alternatives to achieve compliance, as it brings in the most significant environmental benefits. However, the current LNG-use is scarce, as vessels operating with LNG accounts for ca. 0.1% of the global fleet, and are mainly located in the Baltic region. To gain significance as a marine fuel, LNG has several challenges to overcome. LNGs main hurdle is the lack of bunkering infrastructure, which discourage its adoption by shipping companies, generating the so-called chicken-and-egg problem. Although small-scale bunkering facilities are already available, mostly in Northern Europe, the required infrastructure for large vessels is not provided. This study looks at the relevance of LNG as a maritime fuel with the focus on the forthcoming global sulphur cap, from the perspective of a small and a large shipping company, in their decision-making to achieve compliance. Thereby, major drivers and impediments considered by both shipping companies for its adoption as well as their forecast regarding the future of LNG in the shipping industry are discussed.

This book gathers the proceedings of the 6th International Conference and Exhibition on Sustainable Energy and Advanced Materials (ICE-SEAM 2019), held on 16–17 October 2019 in Surakarta, Indonesia. It focuses on two relatively broad areas – advanced materials and sustainable energy – and a diverse range of subtopics: Advanced Materials and Related Technologies: Liquid Crystals, Semiconductors, Superconductors, Optics, Lasers, Sensors, Mesoporous Materials, Nanomaterials, Smart Ferrous Materials, Amorphous Materials, Crystalline Materials, Biomaterials, Metamaterials, Composites, Polymers, Design, Analysis, Development, Manufacturing, Processing and Testing for Advanced Materials. Sustainable Energy and Related Technologies: Energy Management, Storage, Conservation, Industrial Energy Efficiency, Energy-Efficient Buildings, Energy-Efficient Traffic Systems, Energy Distribution, Energy Modeling, Hybrid and Integrated Energy Systems, Fossil Energy, Nuclear Energy, Bioenergy, Biogas, Biomass Geothermal Power, Non-Fossil Energies, Wind Energy, Hydropower, Solar Photovoltaic, Fuel Cells, Electrification, and Electrical Power Systems and Controls.

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