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EILEEN MAYA

Rules of the Road at Sea
CRC Press
Based on a wide range of consultations with maritime organisations, the guide was produced by organisational psychologists gs partnership ltd, for consortium partners UK Maritime and Coastguard Agency, BP Shipping, Teekay Marine Services, and the Standard P&I Club. Aimed at everyone in the shipping

industry, the Guide explains the fundamental aspects of human behaviour, which together constitute what the commercial maritime sector calls 'the human element'. It makes clear that the human element is neither peripheral nor optional in the pursuit of a profitable and safe shipping industry. The Guide clearly shows that managing the human element must take place simultaneously at all levels of the industry. Analysis of continuing shipping disasters has increasingly implicated the human element. The loss of life, the impact on company profits and credibility, and the vast environmental damage that can result from the loss of even a single vessel remain clear. The Guide offers insight, explanation and advice to help manage the human element more effectively, more safely and more profitably.

Turn the Ship Around! Springer Science & Business Media

With many scholars and analysts questioning the relevance of deterrence as a valid strategic concept, this volume moves beyond Cold War nuclear deterrence to show the many ways in which deterrence is applicable to contemporary security. It examines the

possibility of applying deterrence theory and practice to space, to cyberspace, and against non-state actors. It also examines the role of nuclear deterrence in the twenty-first century and reaches surprising conclusions.

Handbook of Marine Craft Hydrodynamics and Motion Control

Skyhorse Publishing Inc.

“One of the 12 best business books of all time.... Timeless principles of empowering leadership.” – USA Today "The best how-to manual anywhere for managers on delegating, training, and driving flawless execution.” —FORTUNE Since Turn the Ship Around! was published in 2013, hundreds of thousands of readers have been inspired by former Navy captain David Marquet’s true story. Many have applied his insights to their own organizations, creating workplaces where everyone takes responsibility for his or her actions, where followers grow to become leaders, and where happier teams drive dramatically better results. Marquet was a Naval Academy graduate and an experienced officer when selected for submarine command. Trained to give orders in the traditional model of “know all–tell all” leadership, he faced a new wrinkle when

he was shifted to the Santa Fe, a nuclear-powered submarine. Facing the high-stress environment of a sub where there's little margin for error, he was determined to reverse the trends he found on the Santa Fe: poor morale, poor performance, and the worst retention rate in the fleet. Almost immediately, Marquet ran into trouble when he unknowingly gave an impossible order, and his crew tried to follow it anyway. When he asked why, the answer was: "Because you told me to." Marquet realized that while he had been trained for a different submarine, his crew had been trained to do what they were told—a deadly combination. That's when Marquet flipped the leadership model on its head and pushed for leadership at every level. Turn the Ship Around! reveals how the Santa Fe skyrocketed from worst to first in the fleet by challenging the U.S. Navy's traditional leader-follower approach. Struggling against his own instincts to take control, he instead achieved the vastly more powerful model of giving control to his subordinates, and creating leaders. Before long, each member of Marquet's crew became a leader and assumed responsibility

for everything he did, from clerical tasks to crucial combat decisions. The crew became completely engaged, contributing their full intellectual capacity every day. The Santa Fe set records for performance, morale, and retention. And over the next decade, a highly disproportionate number of the officers of the Santa Fe were selected to become submarine commanders. Whether you need a major change of course or just a tweak of the rudder, you can apply Marquet's methods to turn your own ship around.

Analytical Fracture Mechanics Military Bookshop

"The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with health, economic, political, and security implications that will ripple for years to come." -Global Trends 2040 (2021) Global Trends 2040-A More Contested World (2021), released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a contested, fragmented and turbulent world. It

specifically discusses the four main trends that will shape tomorrow's world: - Demographics -by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics- increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology- the emergence of new technologies could both solve and cause problems for human life. Students of trends, policymakers, entrepreneurs , academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

Twenty-First Symposium on Naval Hydrodynamics Springer Nature

The U.S. Navy is ready to execute the Nation's tasks at sea, from prompt and sustained combat operations to every-day forward-presence, diplomacy and relief efforts. We operate worldwide, in space, cyberspace, and throughout the maritime domain. The United States is and will remain a maritime nation, and our security and prosperity are inextricably linked to our ability to

operate naval forces on, under and above the seas and oceans of the world. To that end, the Navy executes programs that enable our Sailors, Marines, civilians, and forces to meet existing and emerging challenges at sea with confidence. Six priorities guide today's planning, programming, and budgeting decisions: (1) maintain a credible, modern, and survivable sea based strategic deterrent; (2) sustain forward presence, distributed globally in places that matter; (3) develop the capability and capacity to win decisively; (4) focus on critical afloat and ashore readiness to ensure the Navy is adequately funded and ready; (5) enhance the Navy's asymmetric capabilities in the physical domains as well as in cyberspace and the electromagnetic spectrum; and (6) sustain a relevant industrial base, particularly in shipbuilding.

Thinking about Deterrence

Elsevier

The TransNav 2011 Symposium held at the Gdynia Maritime University, Poland in June 2011 has brought together a wide range of participants from all over the world. The program has offered a variety of contributions, allowing to look at many

aspects of the navigational safety from various different points of view. Topics presented and discussed at the Symposium were: navigation, safety at sea, sea transportation , education of navigators and simulator-based training, sea traffic engineering, ship's manoeuvrability, integrated systems, electronic charts systems, satellite, radio-navigation and anti-collision systems and many others. This book is part of a series of six volumes and provides an overview of Methods and Algorithms in Navigation and is addressed to scientists and professionals involved in research and development of navigation, safety of navigation and sea transportation .

Smart Ships

CRC Press

The ever-growing demand for commercial activities at sea has meant that ships are rapidly developing and that the rules governing their construction and operation are changing. Practical Ship Design records these changes, their outcomes and the reasoning behind them. It deals with every aspect of ship design and handles a wide range of both merchant ships and naval ships with authority. It provides coverage of cargo ships

and passenger ships, tugs, dredgers and other service craft. It also includes concept design, detail design, structural design, hydrodynamics design, the effect of regulations, the preparation of specifications and matters of costs and economics. Drawing on the author's extensive practical experience, Practical Ship Design is likely to interest everybody involved in the design, construction, repair and operation of ships. Students and the most experienced professionals will all benefit from the book's vast store of design data and its conclusions and recommendations.

Measuring Discharge with Acoustic Doppler Current Profilers from a Moving Boat National Academies Press

Can we design an oil tanker that meets our complex demands for environmental protection, economical operation, and crew safety? This volume evaluates and ranks a wide variety of tank ship hull designs proposed by experts around the world. Based on extensive research and studies, the book explores the implications of our rising demand for petroleum and increase in tanker operations; U.S. government regulations

and U.S. Coast Guard policies regarding designs for new tank vessel construction; how new ship design would affect crew safety, maintenance, inspection, and other technical issues; the prospects for retrofitting existing tankers to reduce the risk of oil spills; and more. The conclusions and recommendations will be particularly important to maritime safety regulators in the United States and abroad; naval architects; ship operators and engineers; and officials in the petroleum, shipping, and marine insurance industries. Commerce Business Daily Elsevier Self-contained treatment supplements standard texts by focusing on analytical methods for determining crack-tip stress and strain fields. Topics include plastic zone transitions, environmental cracking, more. "Recommended." — Applied Mechanics Review. Craney Island Eastward Expansion, Norfolk Harbor and Channels, Hampton Roads Courier Corporation Designed by the Federal Aviation Administration, this handbook is the ultimate technical manual for anyone who flies or wants to learn to fly a helicopter or gyroplane. If you're preparing for private, commercial,

or flight instruction pilot certificates, it's more than essential reading: it's the best possible study guide available, and its information can be life saving. In authoritative and understandable language, here are explanations of general aerodynamics and the aerodynamics of flight, navigation, communication, flight controls, flight maneuvers, emergencies, engines, night operations, and much more. With full-color illustrations detailing every chapter, this is a one-of-a-kind resource for pilots and would-be pilots.

Organizational Culture and Leadership

John Wiley & Sons

The mission of the U.S. Geological Survey (USGS) Water Resources Discipline is to provide the information and understanding needed for wise management of the Nation's water resources. Inherent in this mission is the responsibility of collecting data that accurately describe the physical, chemical, and biological attributes of water systems. These data are used for environmental and resource assessments by the USGS, other government agencies and scientific organizations, and the general public. Reliable and quality-

assured data are essential to the credibility and impartiality of the water-resources appraisals carried out by the USGS. The German Campaign in Russia Cosimo Reports Regarded as one of the most influential management books of all time, this fourth edition of Leadership and Organizational Culture transforms the abstract concept of culture into a tool that can be used to better shape the dynamics of organization and change. This updated edition focuses on today's business realities. Edgar Schein draws on a wide range of contemporary research to redefine culture and demonstrate the crucial role leaders play in successfully applying the principles of culture to achieve their organizational goals. **Golden Pass LNG Terminal and Pipeline Project** Elsevier Smart shipping is a future method for transporting ocean cargo and exploring the resources of oceans for medical drugs, food, energy resources, and other products. A smart ship is an integration of shipping with many fields such as fishing, manufacturing , navigation, communicatio n, computing, control, sensing, etc., to provide better shipping and

services. The purpose of this edited book is to provide state-of-the-art approaches and novel technologies for smart ships, covering a range of topics in these areas so that it will be an excellent reference book for the researchers, students, and professionals in these areas. It presents the fundamental technologies needed to build smart ships, and gives a clear explanation of them. This book will serve as a good reference for researchers to know the state of the art and to discover uncovered territory and develop new applications, as well as being a guideline for building future smart ships. Yang Xiao is a Full Professor in the Department of Computer Science at the University of Alabama, Tuscaloosa, Alabama, USA. Tieshan Li is a Full Professor in the School of Automation Engineering, University of Electronic Science and Technology of China, Chengdu, China.

Global Trends 2040

National Academies Press

Monthly magazine devoted to topics of general scientific interest.

Solar Cell Array Design Handbook

Createspace Independent Publishing Platform

The U.S. academic research fleet is an essential national

resource, and it is likely that scientific demands on the fleet will increase. Oceanographers are embracing a host of remote technologies that can facilitate the collection of data, but will continue to require capable, adaptable research vessels for access to the sea for the foreseeable future. Maintaining U.S. leadership in ocean research will require investing in larger and more capable general purpose Global and Regional class ships; involving the scientific community in all phases of ship design and acquisition; and improving coordination between agencies that operate research fleets.

Simulated Voyages

National Academies Press

The book provides a thorough overview of recent developments in the design of AI systems and their uses in a range of industries, including education, technology, and bioinformatics. The papers in the proceedings were presented at the Sixth International Conference on Artificial Intelligence, Medical Engineering, and Education (AIMEE2022), which took place in Wuhan, China, from August 19 to 21, 2022. The book underlines the

need for the intensification of training of an increasing number of appropriate specialists given the rapid growth of AI systems. In order to replicate human and other species' natural intelligence in digital AI systems, the researchers have been studying genetics and inherited biological processes in-depth. These studies offer fresh ideas for developing ever more powerful AI techniques.

The featured articles cover a variety of themes in the fields of mathematics and biomathematics, medical approaches, technical and educational approaches, and medical approaches. The book is a compilation of recent academic papers in the discipline, covering a wide range of topics that are important to both business managers and engineers. This proceedings is a fantastic resource for

asset management practitioners, researchers, and academics, as well as undergraduate and graduate students who are interested in AI, bioinformatics systems, and their developing applications. This is due to the breadth and depth of the proceedings. Experts, students, and other people who are interested in learning about how AI systems might be used in the

future are the target audience.

Deep Maneuver

John Wiley & Sons

The Maritime Engineering Reference Book is a one-stop source for engineers involved in marine engineering and naval architecture. In this essential reference, Anthony F. Molland has brought together the work of a number of the world's leading writers in the field to create an inclusive volume for a wide audience of marine engineers, naval architects and those involved in marine operations, insurance and other related fields. Coverage ranges from the basics to more advanced topics in ship design, construction and operation. All the key areas are covered, including ship flotation and stability, ship structures, propulsion, seakeeping and maneuvering. The marine environment and maritime safety are explored as well as new technologies, such as computer aided ship design and remotely operated vehicles (ROVs). Facts, figures and data from world-leading experts makes this an invaluable ready-reference for those involved in the field of maritime engineering. Professor A.F. Molland, BSc, MSc, PhD, CEng, FRINA. is Emeritus

Professor of Ship Design at the University of Southampton, UK. He has lectured ship design and operation for many years. He has carried out extensive research and published widely on ship design and various aspects of ship hydrodynamics. * A comprehensive overview from best-selling authors including Bryan Barrass, Rawson and Tupper, and David Eyres * Covers basic and advanced material on marine engineering and Naval Architecture topics * Have key facts, figures and data to hand in one complete reference book

Airframe and Powerplant Mechanics Powerplant Handbook CreateSpace This book assesses the state of practice and use of ship-bridge simulators in the professional development and licensing of deck officers and marine pilots. It focuses on full-mission computer-based simulators and manned models. It analyzes their use in instruction, evaluation and licensing and gives information and practical guidance on the establishment of training and licensing program standards, and on simulator and simulation validation.

Tanker Spills CRC Press A vital resource for pilots,

instructors, and students, from the most trusted source of aeronautic information.

Methods and Algorithms in Navigation

Independently Published Volume 5, Deep Maneuver: Historical Case Studies of Maneuver in Large-Scale Combat Operations, presents eleven case studies from World War II through Operation Iraqi Freedom focusing on deep maneuver in terms of time, space and purpose. Deep operations require boldness and audacity, and yet carry an element of risk of overextension - especially in light of the independent factors of geography and weather that are ever-present. As a result, the case studies address not only successes, but also failure and shortfalls that result when conducting deep operations. The final two chapters address these considerations for future Deep Maneuver.