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Introduction to Marine Engineering Introduction to Marine Engineering Reeds Vol 8 General Engineering Knowledge for Marine Engineers The Maritime Engineering Reference Book The Maritime Engineering Reference Book Reeds Vol 1: Mathematics for Marine Engineers General Engineering Knowledge Adhesives in Marine Engineering Naval Architecture for Marine Engineers Reeds Vol 5: Ship Construction for Marine Engineers Practical Marine Engineering Marine Engineering/log Reeds Vol 6: Basic Electrotechnology for Marine Engineers Marine Auxiliary Machinery Keating on Offshore Construction and Marine Engineering Contracts Reeds Vol 13: Ship Stability, Powering and Resistance Marine Structures Engineering: Specialized Applications Marine Engineering Economics and Cost Analysis Marine Auxiliary Machinery Control of Marine Vehicles Design in Maritime Engineering Marine Technology and Operations Marine Engineering Motor Engineering Knowledge for Marine Engineers Reeds Vol 1: Mathematics for Marine Engineers Encyclopedia of Maritime and Offshore Engineering A Short History of Naval and Marine Engineering Marine-Derived Biomaterials for Tissue Engineering Applications A Pocket-Book of Marine Engineering Rules and Tables Reeds Vol 3: Applied Heat for Marine Engineers Red Book of Marine Engineering Marine Engineering Marine Engineer and Motorship Builder Pulpits and Plain Sailing MARINE 2011, IV International Conference on Computational Methods in Marine Engineering Practical Marine Engineering for Marine Engineers and Students, with Aids for Applicants for Marine Engineers' Licenses Reeds Vol 3: Applied Thermodynamics for Marine Engineers Marine Engineering News Reeds Introductions: Essential Sensing and Telecommunications for Marine Engineering Applications Reeds Vol 2: Applied Mechanics for Marine Engineers

Introduction to Marine Engineering Oct 02 2022 This second edition deals comprehensively with all aspects of a ship's machinery from propulsion and steering to deck machinery and electrical equipment with a strong emphasis upon correct and safe procedures. Material has been added and revised to reflect the greater weight now being placed upon the cost-effective operation of ships; in terms of greater equipment reliability, more fuel-efficient engines, the ever-increasing shift towards automatically operated machinery, and the need for fewer engineering crew. This is an invaluable guide for professionals but equally covers the requirements for Class 4 and Class 3 Engineer's Certificates of Competency, the first two years of the Engineer Cadet Training Scheme, and the Engineering Knowledge syllabus for the Master's Certificate.

Reeds Introductions: Essential Sensing and Telecommunications for Marine Engineering Applications Jul 27 2019 An introductory text to the fundamental

theoretical maritime physics principles, providing a foundation prior to reading and studying the volumes in the Reeds Marine Engineering series.

Marine Auxiliary Machinery Apr 15 2021 Marine Auxiliary Machinery, Seventh Edition is a 16-chapter text that covers the significant advances in marine auxiliary machinery relevant to the certification of competency examinations. The introductory chapters deal with the basic components of marine machineries, such as propulsion system, heat exchanger, valves, and pipelines. The succeeding chapters describe the pumps and pumping system, specifically the tanker and gas carrier cargo pumps. Considerable chapters are devoted to the operation of machinery's major components, including the propeller shaft, steering gear, auxiliary power, bow thrusters, and stabilizers. Other chapters consider the refrigeration, heating, ventilation, and air conditioning systems. The final chapters tackle the safety system of marine auxiliary machinery, particularly the fire protection, safety, instrumentation, and control systems. This book will prove useful to marine and mechanical engineers.

Marine Structures Engineering: Specialized Applications Jun 17 2021 Marine Structures Engineering is designed to help engineers meet the growing worldwide demand for construction of new ports and the modernization of existing ports and terminals. It provides an authoritative guide to the design, construction, rehabilitation, repair, and maintenance of port and harbor structures. Each chapter is self-contained, allowing readers to access specific information. The Author draws on his extensive experience in offshore structure and port engineering to demonstrate evaluation, rehabilitation, repair, and maintenance of in-service marine structures. Also covered in detail are state-of-the-art approaches to: *marine structures in cold regions, with special attention to the role of ice loads, permafrost, and other ice effects *shiplifts, marine railways, shipways, and dry docks *offshore moorings *floating breakwaters *marinas *structures that protect bridge piers from ship impact. Offering practical information on all aspects of marine structures, this book serves as an indispensable resource to all engineers and professionals involved in design, construction, maintenance, and modernization of ports and harbors.

Encyclopedia of Maritime and Offshore Engineering Sep 08 2020 The Encyclopedia of Maritime and Offshore Engineering (EMOE) provides an unparalleled major reference work covering the design, construction and operation of ships, offshore installations and other marine structures used for transportation, exploration and the exploitation of ocean-based resources including oil, gas and renewable energy. It embraces all of the disciplines of engineering and naval architecture that are found in the complementary marine and offshore industries. Advances in ship technology, the growth of the offshore energy sector, and increasing activities in arctic and ultra-deepwater environments all highlight the need for an up-to-date reference work on the proposed scale. Operational and regulatory aspects of maritime industries will also be included. The technical sections are supported by the appropriate theoretical background information: for example, hydrodynamics and numerical analysis methods of fluid and stress analysis. The full editorial team and contributing authors is drawn worldwide from renowned engineers, scientists and

practitioners in both the academic and industrial sectors.

The Maritime Engineering Reference Book Jun 29 2022 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

Marine-Derived Biomaterials for Tissue Engineering Applications Jul 07 2020 This book presents the latest advances in marine structures and related biomaterials for applications in both soft- and hard-tissue engineering, as well as controlled drug delivery. It explores marine structures consisting of materials with a wide variety of characteristics that warrant their use as biomaterials. It also underlines the importance of exploiting natural marine resources for the sustainable development of novel biomaterials and discusses the resulting environmental and economic benefits. The book is divided into three major sections: the first covers the clinical application of marine biomaterials for drug delivery in tissue engineering, while the other two examine the clinical significance of marine structures in soft- and hard-tissue engineering, respectively. Focusing on clinically oriented applications, it is a valuable resource for dentists, oral and maxillofacial surgeons, orthopedic surgeons, and students and researchers in the field of tissue engineering.

Adhesives in Marine Engineering Mar 27 2022 As a method of joining with economic, performance-related and environmental advantages over traditional welding in some applications, adhesive bonding of joints in the marine environment is increasingly gaining popularity. Adhesives in marine engineering provides an invaluable overview of the design and use of adhesively-bonded joints in this challenging environment. After an introduction to the use of adhesives in marine and offshore engineering, part one focuses on adhesive solution design and analysis. The process of selecting adhesives for marine environments is explored, followed by chapters discussing the specific design of adhesively-bonded joints for ship applications and wind turbines. Predicting the failure of bonded

structural joints in marine engineering is also considered. Part two reviews testing the mechanical, thermal and chemical properties of adhesives for marine environments together with the moisture resistance and durability of adhesives for marine environments. With its distinguished editor and international team of expert contributors, Adhesives in marine engineering is an essential guide for all those involved in the design, production and maintenance of bonded structures in the marine environment, as well as proving a key source for academic researchers in the field. Provides an invaluable overview of the design and use of adhesively-bonded joints in marine environments Discusses the use of adhesives in marine and offshore engineering, adhesive solution design and analysis, and the design of adhesively-bonded joints for ship applications and wine turbines, among other topics Reviews testing the mechanical, thermal and chemical properties of adhesives for marine environments, together with the moisture resistance and durability of these adhesives

Reeds Vol 3: Applied Heat for Marine Engineers May 05 2020 Covering the syllabuses in Applied Heat for all classes of the Marine Engineers' Certificates of Competency of the Department of Transport (DTp), this book should be a useful aid to students on BTEC and SCOTVEC engineering courses. Basic principles are dealt with, commencing at a fairly elementary stage. Each chapter has fully worked examples woven into the text, test examples are set at the end of each chapter, and some typical exam questions are included.

Marine Engineering/log Nov 22 2021

Naval Architecture for Marine Engineers Feb 23 2022 Naval Architecture for Marine Engineers focuses on resistance, propulsion, and vibration aspects of ships. The book first discusses the functions, layouts, and types of ships and terms used. The text looks at classification societies and governmental authorities influential on the design, construction, and safety of ships. Lloyd's Register of Shipping; governmental authorities; and Inter-governmental Maritime Consultative Organization (IMCO) are noted. The book also highlights ship calculations, including trapezoidal rule, Simpson's rule, and other rules for calculation. The text discusses as well the buoyancy, stability, and trim. Conditions for equilibrium of body floating in still water; calculation of underwater volume; stability at large angle of inclination; and flooding and damaged stability are considered. The selection also underscores structural strength of ships. Static forces on a ship in still water; dynamic longitudinal strength problem; resistance of ship to buckling; and materials used in ships are noted. The text also looks at resistance, powering, vibration, and propulsion of ships. The book is a vital source of data for readers interested in naval architecture.

Marine Engineering Dec 12 2020 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and

republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Reeds Vol 13: Ship Stability, Powering and Resistance Jul 19 2021 *This indispensable guide to ship stability covers topics such as flotation and buoyancy, small angle, large angle and longitudinal stability, water density effects, bilging, ship resistance, and advanced hydrostatics. Each chapter has a comprehensive list of aims and objectives at the start of the topic, followed by a check-list at the end of the topic for students to ensure that they have developed all the relevant skills before moving onto the next topic area. The book features over 170 worked examples with fully explained solutions, enabling students to work through the examples to build up their knowledge and develop the necessary key skills. The worked examples, which range in difficulty from very simple one-step solutions to SQA standard exam questions and above, are predominantly based on a hypothetical ship, with the reader supplied with extracts from a typical data book for the ship which replicates those found on real ships, enabling the reader to develop and practise real-life skills.*

Marine Engineering News Aug 27 2019

Motor Engineering Knowledge for Marine Engineers Nov 10 2020 *An authoritative guide to modern equipment found in merchant ships focusing on 'motor' propulsion for marine engineers.*

A Short History of Naval and Marine Engineering Aug 08 2020

Pulpits and Plain Sailing Jan 01 2020 *After leaving the Merchant Navy Kevin Cooney started out on his own with a humble back-garden engineering shop. A chance encounter led him to specialise in manufacturing stainless steel components for yachts, and it wasn't long before he caught the sailing bug himself. Thanks to ingenuity, determination and a great deal of hard work, Kevin managed to pilot Cooney Marine successfully through the difficult decades of British industrial strife and build it into the largest independent supplier of stainless steel rails and fittings in the UK. Now semi-retired and with his son at the helm, Kevin is free to indulge his passion by sailing the oceans and even crossing the Atlantic several times. This book is based on the diary he has been keeping for more than 40 years.*

Reeds Vol 8 General Engineering Knowledge for Marine Engineers Sep 01 2022 *Bestselling title within the Reeds Marine Engineering series, essential for all marine engineers, and now in a revised new edition.*

Red Book of Marine Engineering Apr 03 2020

Reeds Vol 3: Applied Thermodynamics for Marine Engineers Sep 28 2019 *This book covers the principal topics in thermodynamics for officer cadets studying Merchant Navy Marine Engineering Certificates of Competency (CoC) as well as the core syllabi in thermodynamics for undergraduate students in marine engineering, naval architecture and other marine technology related programmes. The book provides a firm foundation in the principals of thermodynamics, decoding the fundamental science and physics applied to marine technology, covering examples of modern machines and practice to reflect current legislation*

and syllabi. The new edition will provide worked examples and test exam questions, corresponding to current Merchant Navy Qualifications as well as university-style examinations. Where relevant, reference will be made to self-study computer exercises for undertaking multiple calculations in common software, e.g. MS Excel. This key textbook takes into account the varying needs of marine students, recognising recent changes to the Merchant Navy syllabus and current pathways to a sea-going engineering career, including National Diplomas, Higher National Diploma and degree courses.

MARINE 2011, IV International Conference on Computational Methods in Marine Engineering Nov 30 2019 This book contains selected papers from the Fourth International Conference on Computational Methods in Marine Engineering, held at Instituto Superior Técnico, Technical University of Lisbon, Portugal in September 2011. Nowadays, computational methods are an essential tool of engineering, which includes a major field of interest in marine applications, such as the maritime and offshore industries and engineering challenges related to the marine environment and renewable energies. The 2011 Conference included 8 invited plenary lectures and 86 presentations distributed through 10 thematic sessions that covered many of the most relevant topics of marine engineering today. This book contains 16 selected papers from the Conference that cover "CFD for Offshore Applications", "Fluid-Structure Interaction", "Isogeometric Methods for Marine Engineering", "Marine/Offshore Renewable Energy", "Maneuvering and Seakeeping", "Propulsion and Cavitation" and "Ship Hydrodynamics". The papers were selected with the help of the recognized experts that collaborated in the organization of the thematic sessions of the Conference, which guarantees the high quality of the papers included in this book.

Marine Engineering Economics and Cost Analysis May 17 2021 Marine Engineering Economics and Cost Analysis is intended for students and practitioners of ship design, shipbuilding, and ship operations who want to understand and apply the concepts of engineering economics to routine engineering decisions. Computer software is included to aid in completing the analyses required. "To my knowledge this is the first text published during my fifty-year career...that deals with the methods of economic evaluation of maritime decision alternatives from an engineering viewpoint....This book applies engineering economics and cost analysis to the maritime industry and sets forth in a logical sequence the method to reach the most efficient vessel from both a cost and capacity-required approach."--from the foreword by Captain Warren G. Leback, former maritime administrator.

Reeds Vol 6: Basic Electrotechnology for Marine Engineers Oct 22 2021 A fully revised and updated edition of this classic textbook covering the principal topics in electrotechnology for marine engineers. This book provides comprehensive coverage of the basic theoretical work required by Marine Engineering Officers and Electrotechnical Officers (ETOs), putting into place key fundamental building blocks and topics in electrotechnology before progressing to more complex topics and electromagnetic systems. Volume 6 covers essential basic electrotechnology principles for the 21st century, including the fundamentals of electron theory, AC and DC current, circuits, electromagnetism and electrochemistry. It provides a

firm foundation for complementary Volume 7 in the Marine Engineering Series to discuss emergent technology such as image intensifiers, the transistor, increased maritime use of LEDs, and references to modern ship systems such as GPS, ECDIS, Radar and AIS. This new edition has been thoroughly updated in line with guidelines, best practice and the many technological developments that have taken place over the past 5 years since the previous edition published, as well as improvements and updates to the technical diagrams.

Marine Technology and Operations Jan 13 2021 A marine engineer will need to have a broad background of knowledge within several aspects of marine design and operations. These aspects relate to the design of facilities for offshore applications and evaluation of operational conditions for marine installation and modification/maintenance works. Such needs arise in the marine industries, in the offshore oil and gas industry as well as in the offshore renewable industry. Developed from knowledge gained throughout the author's engineering career, this book covers several of the themes where engineers need knowledge and also serves as a teaser for those who will go into more depth on the different thematic aspects discussed. Details of qualitative risk analysis, which is considered an excellent tool to identify risks in marine operations, are also included. The book is the author's attempt to develop a text for those in marine engineering science who like a practical and solid mathematical approach to marine engineering. It is the intention that the book can serve as an introductory textbook for master degree courses in marine sciences and be of inspiration for teachers who will extend the course into specialisation courses on stability of vessels, higher order wave analysis, nonlinear motions of vessels, arctic offshore engineering, etc. The book could also serve as a handbook for PhD students and researchers who need a handy introduction to solving marine technology related problems.

Keating on Offshore Construction and Marine Engineering Contracts Aug 20 2021 Keating on Offshore Construction and Marine Engineering Contracts provides in-depth guidance on the agreements involved in the construction of ships, rigs and other offshore vessels and structures. It will equip marine construction lawyers with a one-stop reference on all aspects of the modern shipbuilding and offshore engineering contracts and for dealing effectively with the problems that may arise.

Control of Marine Vehicles Mar 15 2021 This textbook offers a comprehensive introduction to the control of marine vehicles, from fundamental to advanced concepts, including robust control techniques for handling model uncertainty, environmental disturbances, and actuator limitations. Starting with an introductory chapter that extensively reviews automatic control and dynamic modeling techniques for ocean vehicles, the first part of the book presents in-depth information on the analysis and control of linear time invariant systems. The concepts discussed are developed progressively, providing a basis for understanding more complex techniques and stimulating readers' intuition. In addition, selected examples illustrating the main concepts, the corresponding MATLAB® code, and problems are included in each chapter. In turn, the second part of the book offers comprehensive coverage on the stability and control of nonlinear systems. Following the same intuitive approach, it guides readers from the fundamentals to more advanced techniques, which culminate in integrator

backstepping, adaptive and sliding mode control. Leveraging the author's considerable teaching and research experience, the book offers a good balance of theory and stimulating questions. Not only does it provide a valuable resource for undergraduate and graduate students; it will also benefit practitioners who want to review the foundational concepts underpinning some of the latest advanced marine vehicle control techniques, for use in their own applications.

Reeds Vol 2: Applied Mechanics for Marine Engineers Jun 25 2019 The book covers the principal topics in applied mechanics for professional trainees studying Merchant Navy Marine Engineering Certificates of Competency (CoC) as well as the core syllabi in applied mechanics for undergraduates studying for BSc, BEng and MEng degrees in marine engineering, naval architecture and other marine technology related programmes. The revised version takes into account the need of these students, recognising recent changes to the Merchant Navy syllabus and current pathways to a sea-going engineering career, including National diplomas, Higher National Diploma and degree courses. Basic principles are dealt with, beginning at a fairly elemental stage, with this new edition applying the underlying principles to a shipping environment. Each chapter has fully worked examples interwoven into the text, with test examples set at the end of each chapter. Other revisions include examples reflecting modern machines and practice, current legislation and current syllabi.

Marine Auxiliary Machinery Sep 20 2021 Marine Auxiliary Machine: Sixth Edition explains the correct operation and maintenance of marine auxiliary machinery. The book discusses topics such as the arrangements of the engine and boiler room; pipes and fittings and pumps; compressors and separators; and heat exchangers - its types, control of temperature, and maintenance. The book also talks about other machineries such as diesel engines, steam turbines, propellers, and gears; refrigeration and air conditioning systems; deck machinery; and safety equipment. The text is recommended for engineers in ships who would like to know more about the auxiliary machines onboard ships, how they are operated, and the principles behind them.

A Pocket-Book of Marine Engineering Rules and Tables Jun 05 2020 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

General Engineering Knowledge Apr 27 2022 This book covers the general engineering knowledge required by candidates for the Department of Transport's Certificates of Competency in Marine Engineering, Class One and Class Two. The text is updated throughout in this third edition, and new chapters have been

added on production of fresh water and on noise and vibration. Reference is also provided to up-to-date papers and official publications on specialized topics. These updates ensure that this little volume will continue to be a useful pre-examination and revision text. - Marine Engineers Review, January 1992

Reeds Vol 5: Ship Construction for Marine Engineers Jan 25 2022 This textbook covers ship construction techniques and methods for all classes of Merchant Navy marine deck and engineering Certificates of Competency (CoC) as well as Undergraduate students studying Naval Architecture and Marine Engineering. It is complementary to Volume 4 (Naval Architecture) and Volume 8 (General Engineering Knowledge). Importantly, this new edition contains up-to-date information on modern shipyards, dry-docking procedures and methods of construction. Extensively illustrated, the book also includes sample examination questions with worked examples answers to aid students in their learning.

The Maritime Engineering Reference Book Jul 31 2022 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

Design in Maritime Engineering Feb 11 2021 This book covers several research outcomes of various fields and schools related to maritime operation, applications and materials science. Thirty-four research papers have been compiled from the 2nd International Conference on Marine and Advanced Technologies 2021 (ICMAT 2021) which was organized by the Research and Innovation Section of the Universiti Kuala Lumpur-MIMET. The chapters were written by experienced lecturers from various universities in Malaysia discussing various topics and sub-topics related to maritime engineering and materials science. These chapters portray the actual knowledge on the latest developments and trends of technologies in maritime industries.

Reeds Vol 1: Mathematics for Marine Engineers Oct 10 2020 This exciting new edition covers the core subject areas of arithmetic, algebra, mensuration in 2D

and 3D, trigonometry and geometry, graphs, calculus and statistics and probability for Marine Engineering students for the Merchant Navy OOW qualification. Initial examples have been designed purely to practise mathematical technique and, once these skills have been mastered, further examples focus on engineering situations where the appropriate skills may be utilised. The practical questions are primarily from a marine engineering background but questions from other disciplines, such as electrical engineering, will also be covered, and reference made to the use of advanced calculators where relevant.

Practical Marine Engineering Dec 24 2021 William F. Durand was Professor of Marine Engineering at Cornell University. This book was designated to provide help for the operative or practical engineer of its time and covers every aspect of naval engineering. Reprint of the first edition (1901).

Reeds Vol 1: Mathematics for Marine Engineers May 29 2022 This exciting new edition covers the core subject areas of arithmetic, algebra, mensuration in 2D and 3D, trigonometry and geometry, graphs, calculus and statistics and probability for Marine Engineering students. Initial examples have been designed purely to practise mathematical technique and, once these skills have been mastered, further examples focus on engineering situations where the appropriate skills may be utilised. The practical questions are primarily from a marine engineering background but questions from other disciplines, such as electrical engineering, will also be covered, and reference made to the use of advanced calculators where relevant.

Marine Engineering Mar 03 2020 "This edition of Marine Engineering presents more than twenty years of evolutionary changes in the maritime industry. The book provides a complete review of marine engineering, encompassing both naval and merchant practices and incorporating the broad range of technological developments that evolved during the last decades. Also included is material presenting the principles associated with pollution control, design for production, integrated logistic support and noise control, as well as expanded coverage of propulsion shafting and piping. Long-time SNAME member Roy L. Harrington, now retired from Newport News Shipbuilding, edited this landmark volume."--Publisher's website.

Marine Engineer and Motorship Builder Jan 31 2020

Practical Marine Engineering for Marine Engineers and Students, with Aids for Applicants for Marine Engineers' Licenses Oct 29 2019

Introduction to Marine Engineering Nov 03 2022 Introduction to Marine Engineering explains the operation of all the ship's machinery, with emphasis on correct, safe operating procedures and practices at all times. Organized into 17 chapters, this book begins with an overall look at the ship. Subsequent chapters describe the various ship machineries, including diesel engines, steam turbines, boilers, feed systems, pumps, auxiliaries, deck machinery, hull equipment, shafting, propellers, steering gear, and electrical equipment. Other aspects of marine engineering, particularly, fuel oils, lubricating oils, refrigeration, air conditioning, ventilation, firefighting and safety, watchkeeping, and equipment operation, are also described. This book will be useful to anyone with an interest in ships' machinery or a professional involvement in the shipping business.

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