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Titolo	Ship construction [[electronic resource] /] / D.J. Eyres
Pubbl/distr/stampa	Oxford, : Butterworth-Heinemann, 2007
ISBN	1-280-74748-X 9786610747481 0-08-046823-3
Edizione	[6th ed.]
Descrizione fisica	1 online resource (376 p.)
Disciplina	623.82
Soggetti	Shipbuilding Naval architecture Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous ed.: 2001. Includes index.
Nota di contenuto	Cover; Copyright Page; Table of Contents; Preface; Acknowledgments; Part 1 Introduction to Shipbuilding; Chapter 1 Basic Design of the Ship; Preparation of the Design; Information Provided by Design; Purchase of a New Vessel; Ship Contracts; Further Reading; Some Useful Web Sites; Chapter 2 Ship Dimensions, Form, Size or Category; Oil tankers; Bulk carriers; Container ships; IMO oil tanker categories; Some Useful Web Sites; Chapter 3 Development of Ship Types; Dry Cargo Ships; Bulk Carriers; Car Carriers; Oil Tankers; Passenger Ships; Further Reading; Part 2 Materials and Strength of Ships Chapter 4 Classification Societies Rules and Regulations; Lloyd's Register; Lloyd's Register Classification Symbols; Classification of Ships Operating in Ice; Structural Design Programs; Periodical Surveys; Hull Planned Maintenance Scheme; Damage Repairs; Further Reading; Some Useful Web Sites; Chapter 5 Steels; Manufacture of Steels; Heat Treatment of Steels; Steel Sections; Shipbuilding Steels; High Tensile Steels; Corrosion Resistant Steels; Steel Sandwich Panels; Steel Castings; Steel Forgings; Further Reading; Some Useful Web Sites; Chapter 6 Aluminium Alloy; Production of Aluminium Aluminium Alloy Sandwich Panels Fire Protection; Some Useful Web

Sites; Chapter 7 Testing of Materials; Classification Society Tests for Hull Materials; Chapter 8 Stresses to which a Ship is Subject; Vertical Shear and Longitudinal Bending in Still Water; Bending Moments in a Seaway; Longitudinal Shear Forces; Bending Stresses; Transverse Stresses; Local Stresses; Brittle Fracture; Fatigue Failures; Buckling; Monitoring Ship Stresses at Sea; Further Reading; Some Useful Web Sites; Part 3 Welding and Cutting; Chapter 9 Welding and Cutting Processes used in Shipbuilding; Gas Welding Electric Arc Welding Other Welding Processes; Cutting Processes; Further Reading; Some Useful Web Sites; Chapter 10 Welding Practice and Testing Welds; Welding Practice; Welding Automation; Welding Sequences; Testing Welds; Non-destructive Testing; Classification Society Weld Tests; Further Reading; Some Useful Web Sites; Part 4 Shipyard Practice; Chapter 11 Shipyard Layout; Further Reading; Some Useful Web Sites; Chapter 12 Ship Drawing Office, Loftwork and CAD/CAM; Ship Drawing Office; Loftwork Following Drawing Office; Computer Aided Design (CAD)/Computer Aided Manufacturing (CAM) Further Reading Some Useful Web Sites; Chapter 13 Plate and Section Preparation and Machining; Plate and Section Preparation; Plate and Section Machining; Frame Bending; Further Reading; Some Useful Web Sites; Chapter 14 Prefabrication; Sub-assemblies; Unit Fabrication; Outfit Modules; Unit Erection; Joining Ship Sections Afloat; Further Reading; Chapter 15 Launching; End Launches; Side Launches; Building Docks; Ship Lifts; Further Reading; Part 5 Ship Structure; Chapter 16 Bottom Structure; Keels; Single Bottom Structure; Double Bottom Structure; Machinery Seats Chapter 17 Shell Plating and Framing

Sommario/riassunto

Ship Construction is a comprehensive text for students of naval architecture, ship building and construction, and for professional Naval Architects and Marine Engineers as a refresher on the latest developments in ship types, safety and shipyard practices. Beginning with an introduction to ship building and concluding with the finished product, the book enables the reader to follow the construction of a ship from start to finish. Eyres explores in depth, chapter by chapter, the development of ship types, materials and strengths of ships, welding and cutting, shipyard practice, ship structure

2. Record Nr.	UNINA9910298331003321
Titolo	Annual, Lunar, and Tidal Clocks : Patterns and Mechanisms of Nature's Enigmatic Rhythms // edited by Hideharu Numata, Barbara Helm
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2014
ISBN	4-431-55261-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (361 p.)
Disciplina	570 571.1 590 591.5 591.7 597
Soggetti	Animal ecology Cell biology Animal physiology Neurosciences Behavioral sciences Animal Ecology Cell Biology Animal Physiology Behavioral Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PART I. Tidal, Semilunar, and Lunar Rhythms -- 1 Timing in Tidal, Semilunar, and Lunar Rhythms -- 2 Circatidal Rhythms and Their Entrainment to the Tidal Cycle in Insects -- 3 Daily and Tidal Rhythms in Intertidal Marine Invertebrates -- 4 Circatidal and Circadian Rhythms in Crustacean Swimming Behavior -- 5 Coral Spawning Behavior and Timing -- 6 Lunar Periods in the Annual Reproductive Cycles of Marine Invertebrates from Cold Subtidal and Deep-Sea Environments -- 7 Local Adaptations of Circalunar and Circadian Clocks: The Case of <i>Clunio marinus</i> -- 8 Circadian and Circalunar Clock Interactions and

the Impact of Light in *Platynereis dumerilii* -- 9 Lunar Clock in Fish Reproduction -- 10 The Clock-Work Worms: Diversity and Function of Clock Expression in Marine Polychaete Worms -- PART II. Circannual Rhythms.-11 Circannual Rhythms: History, Present Challenges, Future Directions -- 12 Stem Cell Regulation of Circannual Rhythms -- 13 Seasonality of Life Histories in Tropical Birds: Circannual Rhythms and Zeitgeber -- 14 The Circannual Clock in the European Hamster: How Is It Synchronized by Photoperiodic Changes? -- 15 Circannual Clocks in Tropical Bats and Heritable Variation in Seasonal Reproductive Timing in Temperate Zone Mice -- 16 Circannual Rhythms in Insects.

Sommario/riassunto

There is more to biological rhythms than circadian clocks. This book aims at promoting the exciting potential of a deeper understanding of circannual, circatidal, and circalunar clocks. It highlights new developments, summarizes existing knowledge, and integrates different perspectives with the tools and ideas of diverse fields of current biology. For predominantly pragmatic reasons, research in recent decades was mostly concerned with circadian clocks. Clocks on other timescales, however, have been largely neglected and therefore still appear "enigmatic". Thanks to the rapid development of methods in molecular biology as well as in ecology, we are now able to re-approach these clocks. Laboratories around the world are showing fresh interest and substantial progress is being made in many independent projects. The book's two sections address the moon-derived circatidal, circasemilunar, and lunar cycles on the one hand (10 chapters), and the sun-derived circannual cycles on the other (6 chapters). This work brings together authors with an expansive array of expertise and study systems, ranging from tidal cycles of marine invertebrates to annual cycles of birds and mammals, and from behavioral to genetic and epigenetic backgrounds. While great challenges remain to be mastered, the book aims at conveying the excitement of unraveling, broadly, the rhythms of life.
