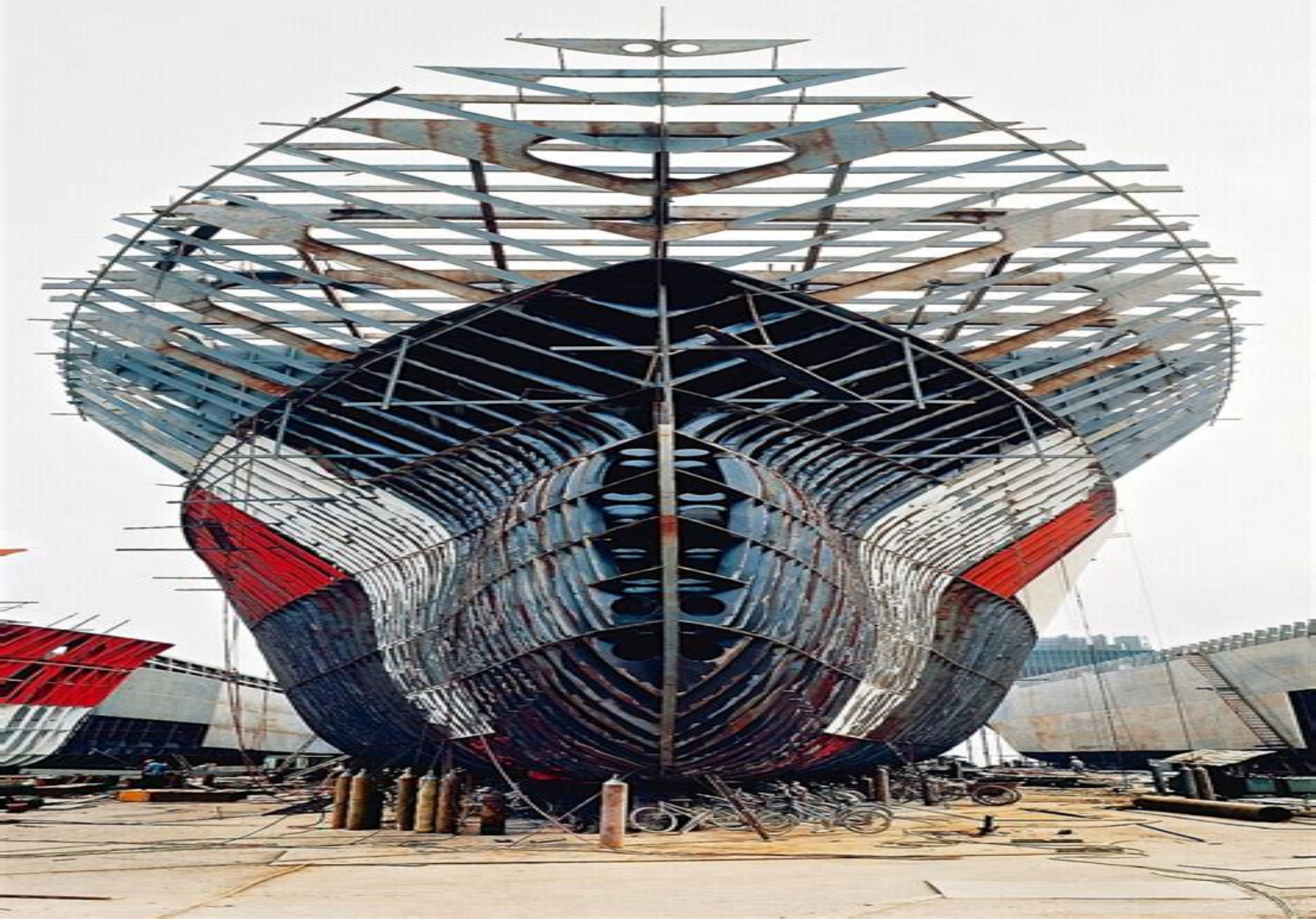




Naval Architecture

William Muckle



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Principles of Naval Architecture Edward V. Lewis, Society of Naval Architects and Marine Engineers (U.S.), 1988

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Naval Architecture and Shipbuilding New York Public Library, 1919 **A History of Naval Architecture** John Fincham, 1851 **Improvements in Naval Architecture** Oliver Lang, 1853 Bridging the Seas Larrie D.

Ferreiro, 2020-01-21 How the introduction of steam iron and steel required new rules and new ways of thinking for the design and building of ships In the 1800s shipbuilding moved from sail and wood to steam iron and steel The competitive pressure to achieve more predictable ocean transportation drove the industrialization of shipbuilding as shipowners demanded ships that enabled tighter scheduling improved performance and safe delivery of cargoes In *Bridging the Seas* naval historian Larrie Ferreiro describes this transformation of shipbuilding portraying the rise of a professionalized naval architecture as an integral part of the Industrial Age Picking up where his earlier book *Ships and Science* left off Ferreiro explains that the introduction of steam iron and steel required new rules and new ways of thinking for designing and building ships The characteristics of performance had to be first measured then theorized Ship theory led to the development of quantifiable standards that would ensure the safety and quality required by industry and governments and this in turn led to the professionalization of naval architecture as an engineering discipline Ferreiro describes among other things the technologies that allowed greater predictability in ship performance theoretical developments in naval architecture regarding motion speed and power propellers maneuvering and structural design the integration of theory into ship design and construction and the emergence of a laboratory infrastructure for research

Rudiments of Naval Architecture ; Or, an Exposition of the Elementary Principles of the Science and the Practical Application to Naval Construction; Compiled for the Use of Beginners James Peake, 1849 **Naval Architecture and Marine Engineering** Massachusetts Institute of Technology. Department of Naval Architecture and Marine Engineering, 1958 **Rudiments of Naval Architecture** , 1849

Applied Naval Architecture Robert B Zubaly, 2009-06-30 *Applied Naval Architecture* is intended for undergraduate students of many of the disciplines in maritime affairs including marine engineering marine transportation nautical science shipbuilding or ship production shipyard apprentice schools marine electrical engineering meteorology and oceanography It could be used as an introduction to naval architecture for technical personnel of all types already employed in shipyards for licensed officers as a general reference and preparation for license upgrading examinations It describes in detail what naval architects do and how they do it to all students and practitioners involved in the business of merchant ships and shipping except for professional naval architects themselves Students preparing for a degree in naval architecture would find the book

useful as an introduction to their profession **Rudiments of naval architecture; or, an exposition of the elementary principles of the science** James Peake,1849 **Reeds Vol 4: Naval Architecture for Marine Engineers** Richard Pemberton,E A Stokoe,2018-10-18 This textbook covers the theoretical fundamental aspects of naval architecture for students preparing for the Class 2 and Class 1 Marine Engineer Officer exams It introduces the basic foundation themes within naval architecture hydrostatics stability resistance and powering using worked examples to show how solutions should be presented for an exam The topics are ordered in a manner of a typical taught module to aid the use of the book by lecturers as a compliment to a course Importantly this updated edition contains updated text and figures in line with modern practice including an update of many of the figures to three dimensional diagrams and a new section on computer software for naval architecture The book also includes sample examination questions with worked examples answers to aid students in their learning *Naval Architecture for Marine Engineers* W. Muckle,2013-10-22 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 Modern Naval Architecture William Muckle,1951 Introduction to Naval Architecture E. C. Tupper,1996 **Contribution from the Department of Naval Architecture and Marine Engineering** Massachusetts Institute of Technology. Department of Naval Architecture and Marine Engineering,1924 **Treatise on Marine and Naval Architecture; Or, Theory and Practice Blended in Ship Building** John Willis Griffiths,1854

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