

SHIP DESIGN AND CONSTRUCTION



SECOND VOLUME RELEASED

The Society of Naval Architects and Marine Engineers announces the release of Volume 2 of the third edition of its acclaimed text, Ship Design and Construction, edited by Thomas Lamb, Professor of Naval Architecture at the University of Michigan. As readers of Volume 1 are aware, the new edition is a worthy successor to the highly respected previous editions in its coverage of all practical aspects of ship design and construction. Where Volume 1 gives an overview of the processes of design and production, each chapter of Volume 2 addresses a different ship type, from tankers and bulk carriers to fishing vessels and submarines. This book is far more than a textbook for students: it is a professional reference without parallel for designers, builders, owners, and operators that is virtually a whole professional library in two volumes.

Chapter headings are listed below.

VOLUME 1

INTRODUCTION
THE MARINE ENVIRONMENT
THE MARINE INDUSTRY
SHIP ACQUISITION PROCESS
SHIP DESIGN PROCESS
ENGINEERING ECONOMICS
REQUIREMENTS DEFINITION
REGULATIONS AND CLASSIFICATION REQUIREMENTS
CONTRACTS AND SPECIFICATIONS
COST ESTIMATING
PARAMETRIC DESIGN
MASS PROPERTIES
COMPUTER-BASED TOOLS
DESIGN/PRODUCTION INTEGRATION
HUMAN FACTORS IN SHIP DESIGN
SAFETY
ARRANGEMENT AND COMPONENT DESIGN
ANALYSIS AND DESIGN OF SHIP STRUCTURE
RELIABILITY-BASED STRUCTURAL DESIGN
HULL MATERIALS AND WELDING
COMPOSITES
GENERAL ARRANGEMENT AND HULL OUTFIT
SHIP PRESERVATION
MACHINERY CONSIDERATIONS
THE SHIPBUILDING PROCESS
SHIPYARD LAYOUT AND EQUIPMENT

VOLUME 2

MULTIPURPOSE CARGO SHIPS
REEFER SHIPS
OIL TANKERS
PRODUCTION, STORAGE AND OFFLOADING VESSELS
CHEMICAL TANKERS
LIQUID GAS CARRIERS
BULK CARRIERS
CAR CARRIERS
RO-ROS
CONTAINER SHIPS
PASSENGER SHIPS
FERRIES
INLAND AND LAKE VESSELS
ICE-CAPABLE SHIPS
FISHING VESSELS
OFFSHORE SUPPORT VESSELS
OFFSHORE DRILLING AND PRODUCTION VESSELS
ADVANCED MARINE SURFACE CRAFT
CATAMARANS
MULTI-HULL CRAFT
HOVERCRAFT
WING-IN-GROUND EFFECT CRAFT
TUGS AND TOWBOATS
SMALL WORKBOATS
DREDGERS
HEAVY-LIFT SHIPS
FOREST PRODUCT CARRIERS
OCEANOGRAPHIC RESEARCH SHIPS
NAVAL SURFACE VESSELS
NAVAL SUBMARINES

The list price for the two-volume set is \$260, and the members' price, \$200, plus shipping. The student price is \$150, plus shipping. Order on-line at http://www.sname.org/publications_sale.htm or contact Rich Mouk at rmouk@sname.org.