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Nota di contenuto	Numerical and Experimental Studies of Seakeeping Performance on A Novel Semi Submersible Transport Ship in Regular and Irregular Head Waves -- Numerical Prediction of The Effects of Separation Distances (S/L) of Slender and Symmetrical Hull of Pentamaran on The Wave Making Resistance -- Fluid Structure Interaction of a Flat Rudder Floater in N219 Floatplane Maneuvers at the Water's Surface -- Investigation of Slamming Towards an Explicit Sized Based on Planing Hull -- Numerical Study of Effects of Homogeneous Roughness on the Ship Friction Resistance -- Resistance Analysis of Three Identical Trimaran Hull with Separation to Length Ratio Variations -- Implementation of Ship Recycling Facility Procedures According to Compliance Hong Kong Convention 2009 in Indonesia -- The Influence of Collision Damage at the Bilge on Double Hull Tanker to the Ultimate Strength -- Digital Twin Monitoring System for Diesel Engine Based on Arduino, Case Study: RPM and Exhaust Gas Temperature -- Reliability Based Warship Readiness Analysis Using Bayesian Network Method -- The Application of the SHEL and CHEESE Models in Improving

Navigational Safety to Prevent Ship Collision Accidents -- Study of Ship Fuel Oil Consumption Monitoring in Shipping Company Based on Big Data Architecture -- Assessment of Storage Characteristics and Requirement of Palm Oil Biodiesel for Marine Diesel Engine -- Design Optimisation of Ventilation System and Air Conditioning – A Case Study of Hospital Ship -- Framework Design for Early Warning System to Prevent Ship Collisions.

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#### Sommario/riassunto

This book explores a variety of research topics in marine technology delving into a wide array of crucial research topics within the maritime industry and its technology, encapsulating the latest research findings presented at The 8th International Conference on Marine Technology (SENTA 2023). It provides the exchange of recent knowledge, experiences, and innovations in the field of marine science and technology encompassing naval architecture and technology; marine system and safety; ocean, coastal, and offshore engineering; shipping, port, and maritime logistics; underwater technology; and advanced technology in maritime industry. This book covers studies ranging from ship design and production technique comprising ship design process, ship hydrodynamics, ship structure and advanced ship material, and ship management and production technology. The book also examines the invention in marine operation, marine machinery and maintenance system, and marine safety including digital technology in marine system and safety. It also addresses the topics on coastal, ocean, and offshore technology starting from coastal/offshore hydrodynamics, ocean energy, mooring line analysis to offshore structure analysis. In addition, shipping, port, and marine logistic researches are also conveyed in this book especially on shipping operation optimization, port development, green port, and smart shipping development. Moreover, underwater technology and advanced technology in marine industry i.e. computer vision technology for underwater vehicles, digital technology on ship design and production, and advanced computer technology in port and shipping development are discovered. In overall, this book offers a cradle for the exchange of ground-breaking ideas, fostering collaboration, and potentially setting the stage for significant developments in the marine technology.

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