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Nota di contenuto	Green Composites Reinforced with Natural Fiber: A Review on Mechanical Properties -- Assessment on Maritime Research and Education for Graduate Employability and Sustainability: A Case Study in Faculty of Maritime Studies, Universiti Malaysia Terengganu" -- Performance Evaluation of Malaysia's Maritime Business Companies During Covid 19 with Topsis -- Issues in Legal Guidelines for Armed Guard on Board Vessels -- SWOT and TOWS Matrix Analysis: A Study on Ro-Ro Port Klang Malaysia -- Green Port Performance Indicators for Dry Bulk Terminals: A Review -- Development of Project Management Timeline and Material Buyout Application to Ship Construction Planning: A Review -- A Study of "Perahu Kolek" in Kelantan: Design, Material and Boat Building -- Green Shipbuilding Technology for Boustead Naval Shipyard Sdn Bhd Towards Sustainable Shipbuilding Development -- Ship Wave Resistance by Final Root Method of Solution with Corrections of Block Coefficients and Angle of Entrance -- Comparative Study of Ship Wave Resistance by Various Methods of Solution -- Effect of Cold Forging on Wire Arc Additive Manufactured Profile for Repair Purposes -- Investigation of Mesh Size Effect on FRP Confined Concrete Column Simulation Using Finite Element Analysis -- An Efficient Direct Diagonal Hybrid Block Method for Stiff Second-order Differential Equations -- The Investigation on the Effect of the Bulbous

Bow Shape to the Resistance Components and Wave Profiles of Small Ships -- The Strength Analysis of Submersible Drone Hull Structure -- The Conceptual Design of Submersible Drone for Seabed Profiling -- Development of Smart Traffic Light Control System Using PLC and IoT for Emergency Vehicle Passed Through -- The Strength Analysis of Leisure Craft with Transparent Hull -- The Conceptual Design of Leisure Craft with Transparent Hull -- Water Quality Assessment on Difference Depth at Sungai Manjung, Perak -- Monitoring Air Quality Using an IoT-Enabled Air Pollution System On Smartphone -- Introduction of Futuristic Warehouse Synergy: A Warehouse Storage Space Reservation Hub System -- The Analysis of Barge Bridge Collision Response -- - Navigating The Blockchain Trilemma: A Supply Chain Dilemma -- Innovative approach for biomimicry of marine animals for development of engineering device -- Water Retention Properties of Fused Deposition Modeling (FDM) based 3D Printed Polylactic Acid (PLA) Vessel -- The Effect of Compaction Pressure and Sintering Temperature on the Properties of Sayong Ball Clay Membrane -- Determination of Design Specification for Sungai Melaka Cleaning Boat Design Improvement through House of Quality (HOQ) -- Simulation of Fatigue Life for 316L Stainless Steel under Room Temperature using FEA -- Case of Study: Safety Factor That Affects Participation of Women as Seafarer in Malaysia Maritime Sector -- The Effect of Steam Addition to TheOxidized Nitrogen Concentration from Marine Diesel Engine Combustion -- Viability of a Multi-Stage Exhaust Gas Cleansing Module for Ship Installation -- Measurement of Tensile Strength of Metallic Materials by Electrical Resistance Per Length Technique.

Sommario/riassunto

This book presents the outcomes from the 2nd International Conference on Marine and Advanced Technologies 2021 (Icmat2021) which was organized by the Research and Innovation section, University Kuala Lumpur - Malaysian Institute of Marine Engineering Technology. The theme "Propelling to the Innovative Idea" highlights prominence of recent developments in marine and advanced technologies in the field of marine application, maritime operation, energy and reliability, advanced materials and applied science. This online conference provided a platform for presentations and discussions at the local and international level between educationists, researchers, students, and industrialists. Furthermore, it created opportunities to establish networks and meet experts in addition to exchange of up-to-date knowledge in the field. This book is the up-to-date reference, especially to those who want to learn and explore more about the latest developments and technologies of maritime industries. .
