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Nota di contenuto	Analysis of the Natural Hydraulic Lime Mortar's Properties Under Accelerated Tropical Climate Conditions -- Design of a Rebung Bookshelf -- Modelling a Temperature Based Speed Control of Fan -- Development of an Automated Segregator for Solid Waste -- Design and Development of an Efficient Meat Smoker -- Between Batik and Fiberglass: The Hybrid-Technology of Boat Construction -- Conceptual Design of a Mini Houseboat for Local Inland Water Use -- Effect of Barnacle Fouling on Ship Resistance using MATLAB Image Processing -- Finite Element Analysis on Enhancement of Contactless Power Transfer by Using Metamaterials -A Review -- Flexural Characteristic of Carbon Powder Bio-Composite with Different Matrix Layer Sandwich Panels -- Risk Assessment of Marine High-Speed Diesel Engine Failures Onboard

Naval Vessels using Failure Mode and Effect Analysis -- Prediction of the Fibre-Reinforced Polymer Hull on the Wave Slamming Impact -- The Effect of Welding Parameters of Flux Core Arc Welding by Utilizing Robotic Welding -- Membranes Technology Development and Challenges in Oily Wastewater Treatment: A Brief Review -- Compliance to IMO Sulphur Cap Regulations for Vessels of 10 Years of Age and Below -- Investigation of Impact of Various Oceanographic Variables on Offshore Platforms Behavior -- Soil Nutrient and Management in Oil Palm Plantations and Agronomic Potential of Biochar -- Performance Analysis on an Arduino-Based Low-Cost Active Dual-Axis Solar Tracking System -- Effect of Zingiber Officinale on Blood Glucose Level, Pancreas, Liver and Kidney Histology Evaluated in Diabetic Induced Dawley Rats: A Systematic Review -- Rapid Small-Scale Column Test of Oil Palm Frond Biochar Potential as Heavy Metal Adsorbent -- The Development of Simulation to Improve the Production Process Efficiency -- The Effect of Oil Spill from Current Oil Spill Incidents in Malaysia.

Sommario/riassunto

This book is a platform to publish new progress in the field of materials and technologies that can offer significant developments with the possibility of changing the future. These emerging developments will change the way we live now at an unprecedented pace across our society. It is important to note that such modern developments are no longer restricted to a single discipline, but are the outcome of a multidisciplinary approach, which combines many different engineering disciplines. This book explores the new technology landscape that will have the direct impact on production-related sectors, individually and in combination with different disciplines. A major driver for this actual research is the efficiency, many times connected with a focus on environmental sustainability.
