

1. Record Nr.	UNINA9910835065003321
Autore	Rassia Stamatina Th
Titolo	The Blue Book [[electronic resource]] : Smart sustainable coastal cities and blue growth strategies for marine and maritime environments / / edited by Stamatina Th. Rassia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-48831-8
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (205 pages)
Altri autori (Persone)	BakerNick V
Disciplina	519.6
Soggetti	Mathematical optimization Sustainable architecture Marine engineering Optimization Sustainable Architecture/Green Buildings Marine Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foreword -- Preface -- Chapter. 1. Shipping and Ecology (Sustainability) -- Chapter. 2. Ocean Wildlife and Megafauna Protection -- Chapter. 3. Big Data and sustainable applications for healthy and safe coastal cities -- Chapter. 4. Developing Housing at Sea: a case for humanitarian assistance and residency vessels -- Chapter. 5. Smart Coastal City mobility management in the context of high tourist activity and methodological approaches -- Chapter. 6. Urban Climate and Heat Mitigation in Coastal Cities -- Chapter. 7. Sick Ships: A Discussion on Historical Cases and Optimization for the Future -- Chapter. 8. Disease Spread Control in Cruise Ships: Monitoring, Simulation, and Decision Making -- Chapter. 9. Real-time, systematic disease detection on cruise ships: feasibility assessment for outbreak prevention -- Chapter. 10. Technology approaches for cruise ship disease propagation monitoring -- Chapter. 11. Scenarios for sensors and actuators deployment to prevent and mitigate epidemics on cruise ships -- Chapter. 12. Improving Biological Safety on Ships using

This volume offers a wealth of results written by experts from interdisciplinary fields, contributing on a diversity of topics targeting marine and maritime environmental sustainability in coastal and ocean-related areas. The reader will benefit from the diversity and breadth of topical coverage as well as concepts conveyed from a variety of researchers. The book serves as an open knowledge platform combining naval architecture and marine engineering, ecology, biomedical informatics, public health, architecture engineering and building physics, nanotechnology as well as advanced technologies, innovation and related fields. The broad range of topics cover ecology, shipping, and health related issues. Specifically, the book presents chapters on the following: · Shipping and ecology · Topics of ocean wildlife and mega-fauna protection · Big Data and sustainable applications for healthy and safe coastal cities · Smart sustainable humanitarian assistance methods using large vessels · Smart coastal city tourist activity, mobility management · Urban climate condition mitigation · Historical analysis of the case of disease outbreaks onboard ships · Monitoring, simulating and decision making while developing housing at sea, such as in cruise-ships · Conducting feasibility assessment for outbreak prevention following real-time, systematic disease detection on cruise ships · Technological approaches for cruise ship disease propagation monitoring · Scenario testing for sensors and actuators deployment to prevent and mitigate epidemics on cruise ships, as well as methods for improving biological safety on ships using nanotechnology The book is expected to engage researchers in multidisciplinary areas as well as students and interested readers. .