





Special Issue Reprint

# **Smart and Low Carbon Emission-Oriented Maritime Traffic Management and Controlling**

www.mdpi.com/books/reprint/11961

Edited by Xinqiang Chen Salvatore Antonio Biancardo

ISBN 978-3-7258-5723-4 (Hardback) ISBN 978-3-7258-5724-1 (PDF)



This Reprint presents a collection of cutting-edge research from a Special Issue on smart and sustainable maritime transportation systems. The selected papers explore innovative technological solutions for modern shipping challenges, focusing on three key areas: intelligent navigation systems, emission reduction strategies, and operational optimization. Several studies investigate Al-driven approaches for maritime applications, including GAN-LSTM hybrid models for ship speed prediction. Interdisciplinary studies demonstrate how emerging technologies can enhance maritime efficiency while reducing environmental impact. The findings provide valuable insights for researchers and practitioners working on smart shipping solutions, emission reduction strategies, and sustainable maritime operations. With practical applications ranging from navigation systems to port management, this Reprint offers a comprehensive overview of current advancements in intelligent maritime transportation.





MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



#### **Open Access**

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



#### **Author Focus**

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



### **High Quality & Rapid Publication**

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## **High Visibility**

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## **Print on Demand and Multiple Formats**

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.

MDPI AG Grosspeteranlage 5 4052 Basel Switzerland Tel: +41 61 683 77 34 www.mdpi.com/books books@mdpi.com

