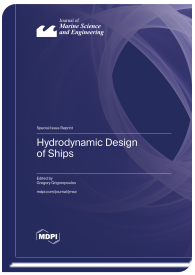
Journal of
Marine Science and Engineering

IMPACT FACTOR 2.7

CITESCORE 4.4

Special Issue Reprint

Hydrodynamic Design of Ships



www.mdpi.com/books/reprint/9599

Edited by
Gregory Grigoropoulos

ISBN 978-3-7258-1605-7 (Hardback)
ISBN 978-3-7258-1606-4 (PDF)

The assessment and the optimization of the hydrodynamic performance are essential for the design of modern competitive ships serving their missions in an efficient way. Potential or viscous flow modeling is used for the numerical evaluation of ship designs to be validated using scaled model tests. Bio-memetic methods (genetic and evolutionary algorithms, artificial neural networks) are mainly employed in hydrodynamic optimization. The optimization procedure accounts for the area of ship service and its mission. The papers included in this Special Issue represent the current attempt to provide a reliable estimation of the hydrodynamic performance assessment and robust optimization schemes for hull forms, resulting in competitive ship designs.

MDPI

Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/9599

MDPI Books

Publishing Open Access Books & Series

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