

Special Issue

Computer-Aided Marine Structures' Design

Message from the Guest Editors

Marine structures are analysed, designed, and produced in an environment of integration, and because of this reason, four major divisions exist in marine structures, namely: geometric design division using computer-aided design tools, structural design division using finite element analysis tools, hydrodynamics design division using computational fluid dynamics tools, and manufacturing design division using computer-aided manufacturing tools. All of these are heavily dependent on extensive usage of computers and are computing intensive.

Guest editors of this proposed Special Issue believe that advances in mathematics, physics, mechanics, and computational modelling and simulation can allow us to develop efficient designs for marine structures, and with this in focus, we are looking for original manuscripts in the following areas:

- Computer-aided geometric analysis and design;
- Computer-aided structural analysis and design;
- Computer-aided hydrodynamic analysis and design;
- Computer-aided manufacturing analysis and design.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2020)



Journal of Marine Science and Engineering

an Open Access Journal
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Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/27412

*Journal of Marine Science and
Engineering*

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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