

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)



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About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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