



Verification and Validation Analysis on Marine Applications

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Message from the Guest Editors

The significant increase in the last two decades of the use of Computational Fluid Dynamics (CFD) in engineering applications in general, and in the maritime fields, inevitably has led to the need to assess the accuracy and reliability of the numerical results. This goal can be achieved by the Verification and Validation (V&V) procedures. The V&V procedures allow the estimation of the uncertainties in a simulation (modeling and numerical) and an experimental test (verification). Based on the uncertainties estimated in the verification part and the comparison error, a simulation can be/or not be validated against the corresponding experimental test.

Therefore, the scope of the present Special Issue is to collect research and studies on the application of the different V&V procedures/methodologies applied especially in the maritime field (hydrodynamic applications, marine applications, etc.) investigating the results and the eventual shortcomings/limits of the existing procedures themselves.





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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.

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