

Special Issue

Verification and Validation Analysis on Marine Applications

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.

Guest Editors

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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.

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