Special Issue

Novel Numerical Methods for Complicated and Violent Flows

Message from the Guest Editors

Over the past several years, many novel numerical methods, such as overset grid techniques, adaptive refined mesh methods, Cartesian grid methods, meshless particle methods, high-order-spectral methods, as well as Lattice Boltzmann methods, have been developed to deal with the complicated and violent flows around marine structures, such as surface ships, submarines, offshore wind turbines, and floating platforms. All such complicated and violent flows are one of the most difficult topics in marine engineering because of the large span of spatial and temporal scales involved. A correct understanding and application of hydrodynamics on marine vehicles and structures are vital in their design and operation. The purpose of the invited Special Issue is to publish the most exciting research with respect to the above subjects and to provide a rapid turnaround time regarding reviewing and publishing, and to disseminate the articles freely for research, teaching, and reference purposes.

Guest Editors

Prof. Dr. Decheng Wan
Prof. Dr. Qing Xiao
Dr. Zhiguo Zhang

Deadline for manuscript submissions

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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

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