



Advances in Ship and Marine Hydrodynamics

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Message from the Guest Editor

Dear Colleagues,

The hydrodynamics of the marine environment, and especially the hydrodynamics of its interaction with ships and floating structures, is a scientific area stimulating the interest of both theoretical investigators attempting to develop analytical methods to solve difficult physical and mathematical problems and advanced engineers who implement cumbersome numerical methods to come up to a realistic solution. In both cases, the assumptions and the simplifications imposed on the original problems are critical for the reliability of the results, restricting the applicability of the proposed methodologies to specific types of ships or floating structures. Furthermore, complicated models or full-scale tests are extensively used to verify the applicability of the proposed techniques. Hydrodynamic topics are directly associated with the overall performance of ships and floating structures in calm and rough waters which directly affects their economic operation. On the other hand, the reliable and robust assessment of the performance of ships and floating structures in waves offers the opportunity to further improve it using biomimetic or other modern optimization methods.





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Message from the Editor-in-Chief

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