Special Issue

Advances in the Simulation of Wind Conditions

Message from the Guest Editor

The accelerating growth of wind energy in recent years further emphasizes the need for an improved understanding and modeling of wind conditions for individual turbines, wind farms, farm to farm interaction, and atmospheric conditions in off- and on-shore situations. The modeling challenges range from complex phenomena that cross many physical and temporal scales. State-of-the-art modeling tools include some of these phenomena; however, many tools only use a limited part of the full complexity, due to limited computational resources, among other reasons. In this Special Issue in Advances in the Simulation of Wind Conditions, the available modeling possibilities and limitations are in focus. The focus further includes a wide range of physical and temporal modeling scales. i.e., ranging from mesoscale to large eddy simulations and from state-of-the-art to the future possibilities with engineering tools and possibly comparisons and benchmarks between these approaches.

Guest Editor

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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.

Editor-in-Chief

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