Special Issue

Hurricane Storm Surge Model Development

Message from the Guest Editor

The destruction caused by frequent hurricanes in the recent past calls for reliable storm surge models capable of predicting storm surges, floods, and levee overtopping phenomena. Forecast results from these models can facilitate effective and timely evacuations, which can potentially save lives and properties. These models can also be used to hindcast past hurricanes to improve the model capabilities and/or setup insurance strategies and policies. There has been extensive research on various aspects of hurricane storm surge modeling. High quality papers are encouraged, for publication, directly related to various aspects, as mentioned below. Novel techniques for the study are encouraged.

- Topics—hurricane storm surge modeling
- Model development and validation
- Model improvement techniques and ideas
- Mathematical formulations and numerical aspects
- Storm surge forecast modelling challenges and remedies
- Case studies
- Storm surge model comparative studies
- Future of storm surge models
- History of storm surge modeling.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2020)

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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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