



## Storm Tide and Wave Simulations and Assessment, 3rd Edition

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### Message from the Guest Editors

Today's increasingly frequent extreme weather events, storm tides, surges, and waves caused by typhoons, tropical cyclones, and hurricanes pose significant threats to coastal areas, nearshore waters, and navigation safety. Thus, the accurate prediction of these phenomena and the associated coastal erosion is crucial for minimizing loss of life and property and mitigating coastal disasters. While numerous studies have been conducted over the past decade on predicting and forecasting typhoon-driven storm tides, surges, waves, and morphological changes using numerical models, there is a growing need for innovative techniques to accurately address the complex physical processes involved. To advance our simulation and analytical capabilities and deepen our understanding of storm tides, surges, and waves, this 3rd edition Special Issue aims to gather the latest research on modeling and analyzing these phenomena using dynamic and statistical models and artificial intelligence approaches. We urgently welcome submissions of research articles and reviews focusing on model development, application, or big data analysis.





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## Message from the Editor-in-Chief

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