



Numerical Analysis and Monitoring Techniques of Offshore and Coastal Structures and the Marine Environment

Guest Editor:

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Message from the Guest Editor

Analysis and design of coastal and offshore structures is an equally demanding and challenging task. Accuracy of the calculated responses is required at a maximum level, while computational cost is very important especially when we approach the design phase and a big number of analysis cycle iterations for a large number of operational and extreme environmental conditions needs to be performed. At the same time and in a growing rate, monitoring technologies are used for both structural health as well as marine environment process observations.

In this context, this Special Issue invites original scientific contributions on topics related to numerical analysis methods and tools of offshore and coastal structures covering the broad spectrum of related analysis, monitoring technologies, and/or response diagnosis of offshore and coastal structures, monitoring technologies of marine environmental characteristics, integration and update of numerical predictions with monitoring data, real-time predictions and/or forecasting in the marine environment, and digitalization of data for offshore and coastal structures.





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Message from the Editor-in-Chief

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