

Special Issue

Intelligent Designs and Applications in Offshore Engineering: Challenges and Solutions

Message from the Guest Editor

This special issue aims to report the state-of-the-art development of intelligent designs and applications in offshore engineering. Given the complexities of such problems, we hope that the new findings of this Special Issue will increase the performance of such facilities in various aspects, such as design, optimization, evaluation and monitoring. Original research and review articles related to the following topics are welcomed; however, please note that this list is by no means exhaustive:

- New intelligent design concepts of offshore engineering;
- State-of-art design methods and their applications in offshore engineering;
- Optimization issues of offshore engineering;
- Health monitoring of offshore engineering;
- The simulation and digit-twin of offshore engineering;
- Damage detection and fatigue analysis;
- Computational fluid dynamics of offshore engineering;
- Vibration analysis, inspection and its preventions;
- Life extension assessments of offshore engineering;
- Remote sensor advancements towards offshore engineering;
- Localization and tracking of offshore engineering;

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2024)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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