Special Issue

Fluid-Structure Interaction (FSI) Issues in Floating Offshore Wind Turbines

Message from the Guest Editors

The offshore wind industry is expected to expand exponentially in the coming decades; as such, research and innovation are needed to allow for the safe, cost-effective, and sustainable design of floating offshore wind turbines (FOWTs). A significant challenge is the fluid–structure interaction (FSI) issue associated with the various components of FOWTs, such as blades, floaters, and power cables. This Special Issue focuses on FSI problems such as vortex-induced vibrations (VIV) and vortex-induced motions (VIM), both experimental and numerical, addressing critical challenges faced by the design, operation and decommissioning of floating offshore wind turbines.

Guest Editors

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Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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