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Floating Offshore Wind Turbines

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Deadline for manuscript submissions:

closed (15 December 2021)

Message from the Guest Editor

Energies is planning a new Special Issue on the topic of “Floating Offshore Wind Turbines”.

Energy from floating offshore wind turbines is in many future energy scenarios assumed to have a major role in electricity supply toward 2050. Many important research tasks must first be addressed for this to take place, though. In this Special Issue of *Energies*, we want to focus on the dynamics response of multimegawatt floating offshore wind turbines subjected to loads wind, waves, and current. In particular the following issues are of interest: The effect of different formulations of the turbulent wind field under various atmospheric stability conditions; interaction between the dynamic response to wind and waves and the importance of the turbine control system; the combined action of waves and current; the effect of wave-induced motions on power output and floater behavior in the wake of an upstream turbine. Further, issues related to mooring of floating offshore wind turbines are of special interest. We sincerely hope you have interest in and are able to submit an article to this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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