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# **Design and Analysis of Offshore Wind Turbines**

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Deadline for manuscript submissions:

closed (30 April 2024)

## **Message from the Guest Editors**

This Special Issue aims to address the key challenges and enhance technologies for dynamic analysis to improve the design of OWTs, with contributions both from academia and industry. Various topics include, but are not limited to:

- Innovative concepts and technologies;
- Stochastic- and reliability-based design and analysis;
- Conceptual and detailed design;
- High-fidelity aerodynamics and hydrodynamics;
- Integrated aero-hydro-servo-elastic modeling and analysis;
- Advanced control technologies;
- Stress and strength analysis of OWTs;
- Novel conceptual studies including multi-rotor designs;
- Novel materials;
- Substructure design and analysis;
- Mooring line design and analysis;
- Rotor and blade design and analysis;
- Innovative drivetrain design and analysis;
- Numerical and experimental analysis;
- Machine learning and digital twins.









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## Message from the Editor-in-Chief

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