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Foundation Systems for Offshore Wind Turbines

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear colleagues,

This Special Issue focuses on the development of foundations and support structures for offshore wind turbines. Contributions may concern novel concepts; physical and computational modeling techniques; production, installation, and decommissioning methods; sustainability and life cycle analysis; cost reduction; inspection and maintenance; case studies; and the development of codes and standards.

Relevant topics include geotechnical site assessment and geological models; static, cyclic, and dynamic soil–structure interactions; the design and analysis of foundations and support structures, including bottom-fixed and floating concepts; fatigue, creep, damping, and other time effects; buckling and other instability issues; structure–fluid interactions, scour and liquefaction, and structure–soil–fluid interactions; integrated analysis of loads, structures, foundations, and soil; constitutive modeling of soil and foundation materials as well as modeling of soil–structure interfaces; macro and super-element models; and multi-scale and multi-physics modelling.

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Message from the Editor-in-Chief

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