Special Issue

Recent Developments in Offshore Wind Turbines

Message from the Guest Editors

To achieve the global net-zero emissions goal, offshore wind energy has been attracting extensive attentions and continuous investments. Nowadays, offshore wind turbines are developing fast towards large-sized and deep-water applications, which raises new challenges in technical and economic feasibility. A typical offshore wind turbine is usually a highly integrated and complex energy-harvesting system, which may experience extremely harsh sea conditions. The design and the dynamic analysis of an offshore wind turbine often require multidisciplinary knowledge. From the point of view of safety, the design of an offshore wind turbine needs to be able to survive in extreme weather. On the other hand, from a commercial perspective, efforts are required for cost reduction via the improvement in design and engineering practice. To overcome the challenges and promote the advances in offshore wind turbines, theoretical and technical innovations are needed. This motivates us to propose this Special Issue to publish recent frontier advances in all aspects of offshore wind turbines. We look forward to receiving your contributions.

Guest Editors

Dr. Lei Tan

Dr. Shuang Chang

Dr. Yan Li

Deadline for manuscript submissions

closed (31 December 2024)

Machines

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.7

mdpi.com/si/156182

Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

mdpi.com/journal/machines

Machines

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.7

mdpi.com/journal/machines

About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
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 length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).