



## O&M and Innovative Solutions Bringing Scale and Speed to Wind Energy Engineering

Guest Editors:

**Dr. Pablo Jaen Sola**

School of Computing,  
Engineering and the Built  
Environment, Edinburgh Napier  
University, 10 Colinton Road,  
Edinburgh EH10 5DT, UK

**Prof. Dr. Erkan Oterkus**

Department of Naval  
Architecture, Ocean and Marine  
Engineering, University of  
Strathclyde, 100 Montrose Street,  
Glasgow G4 0LZ, UK

Deadline for manuscript  
submissions:

**31 December 2025**

### Message from the Guest Editors

The current issues experienced by manufacturers and operators related to the faster-than-expected degradation of mechanical/structural components of large-scale wind turbines has put at risk significant projects and threatens the slowing down of the development of the entire sector. The main aim of this Special Issue is to put together the most up-to-date knowledge in the area to help mitigate or eliminate the mentioned problems.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Reliability centred maintenance;
- O&M and probabilistic modelling;
- Decision analysis;
- Advanced structural modelling and health monitoring;
- Component optimization and redesign options;
- Innovative designs and concepts (e.g., airborne, multirotor, X rotor);
- Use of emerging technologies (e.g., AI, additive manufacturing, digital twins);
- Load alleviation through control engineering and misalignment couplings.

We look forward to receiving your contributions.





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## Editor-in-Chief

### Prof. Dr. Horia Hangan

Department of Mechanical and  
Manufacturing Engineering,  
Ontario Tech University, Oshawa,  
ON L1G 0C5, Canada

## Message from the Editor-in-Chief

*Wind*, as an open access journal, is dedicated to disseminating rigorously peer-reviewed publications to advance knowledge and technology in wind-energy related areas. The journal brings many opportunities for actively spreading novel concepts and advancements in multi-disciplinary wind technology and related issues by covering the wind-related scientific and engineering aspects, including but not limited to meteorology, materials, and civil, mechanical, and electrical engineering, as well as the related subjects, such as wind-energy related economics, and social and environmental topics.

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**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 43.5 days after submission; acceptance to publication is undertaken in 12.5 days (median values for papers published in this journal in the first half of 2024).

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Wind Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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