

## Special Issue

# Advances in Fluid Dynamics and Wind Power Systems: 2nd Edition

### Message from the Guest Editors

This Special Issue aims to bring together the most recent advances in fluid dynamics to tackle the challenges and issues faced by modern wind power systems. Original research and review articles are welcome. The potential topics of the present Special Issue include, but are not limited to, the following:

- Fluid–structure interaction;
- Rotor aerodynamics;
- Blade aeroelasticity;
- Aeroelastic instabilities;
- Wake modelling;
- Wake interaction;
- Turbulence modelling;
- High-resolution modelling of vortex structures;
- Modelling of wind turbines in array configurations;
- Wind farm optimisation;
- Analysis and control of various unsteady flows for wind turbines;
- Modelling of unsteady wind conditions;
- Modelling of floating platforms.

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### Guest Editors

Dr. Shine Win Naung

School of Engineering, University of the West of England, Bristol BS16 1QY, UK

Dr. Mohammad Rahmati

Department of Mechanical and Construction Engineering, University of Northumbria at Newcastle, Newcastle upon Tyne NE1 8ST, UK

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### Deadline for manuscript submissions

closed (10 December 2025)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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