

Special Issue

Airborne Wind Energy Systems

Message from the Guest Editors

We cordially invite original manuscripts presenting recent advances in this important and interdisciplinary research field with particular focus on but not limited to the following:

- Aerodynamics, aeroelasticity, and structural dynamics;
- Flight dynamic modeling;
- Flightpath planning and control of AWE systems;
- AWE design optimization;
- Higher altitude wind resources;
- Experimental testing of prototypes;
- Efficiency enhancements (by, e.g., intelligent design and/or control);
- Nonlinear, optimal, and fault-tolerant control strategies;
- Fault detection methods and condition monitoring approaches;
- Robust, fault-tolerant and flexible grid connection/integration (e.g., grid-supporting, -feeding, -forming including black start capability);
- Economic and market analysis;
- AWE policy-making, environmental impact, and societal acceptance.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)



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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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