



*energies*



an Open Access Journal by MDPI

## Intelligent Condition Monitoring of Wind Power Systems

Guest Editors:

**Dr. Xiandong Ma**

School of Engineering, Lancaster University, Lancaster LA1 4YW, UK

**Dr. Sinisa Durovic**

Department of Electrical and Electronic Engineering, The University of Manchester, Manchester M13 9PL, UK

**Prof. Dr. Mohamed Benbouzid**

Institut de Recherche Dupuy de Lôme (UMR CNRS 6027 IRDL), University of Brest, 29238 Brest, France

Deadline for manuscript submissions:

**closed (20 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue “Intelligent Condition Monitoring of Wind Power Systems” is to collect and disseminate novel, intelligent, and autonomous condition monitoring techniques and their potential applications for wind power systems. Topics of interest for this Special Issue include but are not limited to:

- Development of condition monitoring systems including sensor systems
- Modeling and condition monitoring of electric machines and drives/wind power generation systems
- Power conversion system reliability
- Power electronic condition monitoring
- Condition monitoring of the interconnection/HVDC electronics
- Performance analysis of wind turbines and their connections
- Condition-based operation and maintenance strategies
- Physics-based modeling and data-driven modeling
- Signal processing and data mining
- AI- and CI-enabled techniques and applications

Dr. Xiandong Ma

Dr. Sinisa Durovic

Prof. Dr. Mohamed Benbouzid

*Guest Editors*



[mdpi.com/si/47001](https://mdpi.com/si/47001)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)