

Special Issue

Structural Prognostics and Health Management in Power & Energy Systems

Message from the Guest Editors

In order to ensure the safety and reliability of power and energy systems, including wind turbines, gas/steam turbines, power plants, etc., failure mechanism, reliability assessment, prognostics, and health management (PHM) have becoming recent developments in integrity analysis of these systems. Moreover, due to unexpected ageing related degradations, mechanical properties, microstructures and structural resistance of systems/components often require stochastic considerations related to failure mechanism modeling and analysis. Accordingly, continued improvements on PHM have been possible through advanced signal analysis, degradation assessment, as well as accurate modeling of failure mechanisms by introducing advanced mathematical approaches/tools. Potential topics include, but are not limited to:

- wind/gas/steam turbine technologies
- failure mechanisms
- PHM
- probabilistic damage tolerance
- structural health monitoring

Guest Editors

Dr. Dong Wang

Prof. Dr. Shun-Peng Zhu

Prof. Dr. Xiancheng Zhang

Prof. Dr. Gang Chen

Prof. Dr. José António Correia

Dr. Guian Qian

Deadline for manuscript submissions

closed (30 June 2019)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/12592

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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 (Control and Optimization)