



energies

an Open Access Journal by MDPI



Structural Prognostics and Health Management in Power & Energy Systems

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)

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



mdpi.com/si/12592

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

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