

Special Issue

Condition Monitoring of Critical Infrastructure for Energy Systems

Message from the Guest Editors

A condition monitoring system uses sensors, communication and data analytics to acquire physical parameters of critical infrastructures in order to analyze and detect anomalies and keep track of the health of the energy systems. Combining sensor measurements with machine learning algorithms can predict the exact moment when maintenance actions should be taken. Condition monitoring of critical infrastructure for energy systems will open up the path to increasing return on investment, reducing maintenance cost, eliminating breakdown and downtime, and enhancing productivity. It will also be conducive to the cyber-physical safety of power systems. This Special Issue aims to provide articles on condition monitoring of critical infrastructure for energy systems in areas including, but are not limited to:

- energy transmission and distribution;
- energy generation;
- energy storage;
- energy utilization;
- smart grid;
- smart city;
- microgrid.

Guest Editors

Dr. Philip Pong

Dr. Weiqiang Dong

Prof. Dr. Moshe Kam

Deadline for manuscript submissions

closed (31 March 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/105216

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)