Special Issue

Application of Power System in Sustainable Energy Perspective

Message from the Guest Editors

With the steady growth of wind power generation scale, the failure of wind turbines has gradually become a challenge for their development. Nowadays, not only university researchers in related fields but also large wind power system enterprises are also committed to the research and development of condition monitoring and fault diagnosis technology of wind turbines. Researching effective methods for monitoring and diagnosing wind turbine conditions, comprehensively improving the operational safety and stability of wind turbines, is an important trend in line with the current development of renewable energy systems. This Special Issue aims to gather and propagate the most recent research results and breakthroughs in condition monitoring and fault diagnosis of wind power systems, including the application of numerous theories and technologies such as dynamics modeling, sensor layout, data acquisition, parameter measurement, signal analysis, feature extraction, fault diagnosis, anomaly detection, structural damage identification, early warning, health condition assessment, residual life prediction, and other related software even hardware technology.

Guest Editors

Prof. Dr. Ling Xiang

Department of Mechanical Engineering, North China Electric Power University, Baoding 071003, China

Dr. Xiaoan Yan

School of Mechanical and Electronic Engineering, Nanjing Forestry University, Nanjing 210037, China

Deadline for manuscript submissions

closed (2 April 2024)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/174868

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)