

## 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.

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### Guest Editors

Prof. Dr. Ling Xiang

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

Dr. Xiaoa Yan

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

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### Deadline for manuscript submissions

closed (2 April 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

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