Special Issue

Advanced Reliability Modelling and Operation Management Strategies for Power Systems

Message from the Guest Editors

The reliability and performance of power systems are critical factors in ensuring energy security and sustainability. As power systems become increasingly complex and interconnected, the need for advanced reliability modelling and maintenance optimization becomes paramount. The objective of this Special Issue is to introduce innovative approaches to enhance the reliability and efficiency of power systems, with a particular focus on modelling techniques and maintenance strategies. By delving into the intricacies of power system reliability and exploring cutting-edge modelling and optimization methods, this Special Issue seeks to make substantial contributions to the field. The Special Issue welcomes contributions that explore advanced reliability and maintenance modelling, condition monitoring, optimization strategies, and other topics. We invite original research papers, review articles, case studies, and technical notes that contribute to the field of maintenance and reliability of power systems. Submissions should demonstrate scientific rigour, practical relevance, and novel insights.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)

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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.

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