Special Issue

Solar and Wind Power and Energy Forecasting

Message from the Guest Editors

The renewable-energy-based generation of electricity is currently experiencing rapid growth in electric grids. The intermittent input from renewable energy sources (RES), as a consequence, creates problems in balancing the energy supply and demand. Thus, forecasting of RES power generation is vital to help grid operators to better manage the electric balance between power demand and supply and to improve the penetration of distributed renewable energy sources and, in stand-alone hybrid systems, for the optimum size of all its components and to improve the reliability of the isolated systems. This Special Issue of *Energies*, "Solar and Wind Power and Energy Forecasting ", is intended to disseminate new promising methods and techniques to forecast the output power and energy of intermittent renewable energy sources.

- RES integration
- Forecasting techniques
- Machine learning
- Computational intelligence
- Optimization
- PV system
- Wind system.

Guest Editors

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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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