Special Issue

Stability Analysis, Operation and Control of New Energy Power Systems

Message from the Guest Editor

Nowadays, there is immense pressure on countries to re-design their electric power systems to increase the penetration of new energies, e.g., wind, solar, and hydrogen energies. Recently technological advances in internet-of-things devices have also proliferated a large number of high-power controllable loads, such as demand response and electric vehicles. Together, the effects brought about by the increase in new energies and controllable loads present an unprecedented and severe challenges to the stability analysis, operation, and control of power systems. Topics of interest for publication include, but not limited to:

- Stability analysis of new energy power systems
- Frequency control of new energy power systems
- Voltage control of new energy power systems
- Economic dispatch of new energy power systems
- Control of new energies
- Control and operation of energy storage systems
- Regulation of electric vehicles
- Regulation of virtual power plants

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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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