Special Issue

Enhancing Power System Transient Stability

Message from the Guest Editor

In an effort to modernize the electrical grid, electric power systems are integrating new transmission and distribution technologies such as synchrophasors, fast excitation systems, FACTS devices, distributed smart inverter-based solar, wind generators, and battery storage with advanced controls, resulting in a better observable and controllable end to end power grid. Enhancing transient stability is a primary concern for electrical engineers to maintain the continuous operation of power systems.

This combination of electronics-based power controllers, and faster wide-area monitoring systems generate new opportunities to enhance power system transient stability. This Special Issue invites experts from around the world to report about recent applications aiming at enhancing power system transient stability through supplementary control of electronics-based power transmission, distribution, and renewable generation systems.

This Special Issue aims to bring together innovative developments and synergies in the field of enhancing power system transient stability.

Guest Editor

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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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