

Special Issue

Power System Modeling, Analysis and Simulation

Message from the Guest Editors

Power system simulation tools and techniques are required in order to provide a framework for harmonizing technologies so that interconnected systems can be automated and simultaneously operated and visualized to obtain maximum benefits of the power system. These needs require analysis techniques and tools to consider the features of power systems that change with time when including new technologies for planning studies and power system analyses among other studies conducted in the power engineering business.

Modern analyses in the power systems domain have an iterative nature, looking for optimal solutions for a given problem. Some analyses combine alternative sets for relieving voltage and thermal violations within a planning horizon. Others combine methods and configurations to evaluate the power system's sensitivity when exposed to different operational conditions.

This Special Issue is looking for novel methods in power system modeling and simulation applied to different applications within the power systems domain.

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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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