



energies



an Open Access Journal by MDPI

Power System Modeling, Analysis and Simulation

Guest Editors:

Dr. Davis Montenegro

Electric Power Research Institute,
Knoxville, TN 37932, USA

Dr. Gustavo Ramos

Department of Electrical and
Electronic Engineering,
Universidad de los Andes, Bogotá
111711, Colombia

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/85528

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)