



Challenge and Research Trends of Power System Simulation

Guest Editors:

Prof. Dr. Chul-Hwan Kim

College of Information and
Communication Engineering,
Sungkyunkwan University, Seoul
100744, Korea

Prof. Dr. Gi-Hyeon Gwon

Department of Smart Electrical &
Electronic Engineering, Yonam
Institute of Technology, Jinju-si
52821, Gyeongsangnam-do,
Korea

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

Due to the connection of renewable energy, advanced electrical equipment, various operating systems, and power electronics-based facilities, the modern power system is gradually increasing in complexity and diversity unlike the conventional power system. Therefore, the development of advanced power system simulation methods is required for the steady-state and transient analysis of such complex power systems. To meet these demands, a challenging and creative power system simulation method of various simulation tools should be developed, which should be shared with many researchers.

This Special Issue will deal with manuscripts on challenging and creative simulation methods for all fields related to power systems, regardless of program type. Even if the subject of the paper does not exactly match the keyword, we welcome and ask for participation of many researchers.

Keywords:

- Power System Simulation
- Real-Time Simulation
- Transient Analysis Simulation
- Power System Component Modelling
- Steady-State Analysis Simulation
- Computer Simulation





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)