



Modeling, Simulation, and Analysis of Electrical Power Systems

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Deadline for manuscript
submissions:

closed (31 July 2024)

Message from the Guest Editors

Dear Colleagues,

We invite submissions to the Special Issue of Mathematics on Modeling, Simulation, and Analysis of Electrical Power Systems.

An electric power system is a network of interconnected electrical devices, components, and electrical systems used to generate, transmit, and distribute electric power. Power system analysis is needed to ensure the reliable, safe, and successful operation and planning of electrical power systems design. These require mathematical calculations, modeling, and simulations which are carried out to verify that the electrical system can work as intended and withstand the expected stresses so that it is protected from failure.

This Special Issue invites contributions to developing novel system modeling, simulation, and analysis related to electrical power systems. Topics of interest include but are not limited to, optimal power flow, energy management, energy forecasting, load forecasting, optimization under uncertainty for power systems fault analysis, machine learning/deep learning for power system planning, novel metaheuristic optimization methods for optimization, harmonic analysis, dynamic and transient analysis.





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Message from the Editor-in-Chief

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