Special Issue

Simulation, Optimization and Intelligent Control of Energy System

Message from the Guest Editors

The is inviting submissions to this Special Issue of Energies. This topic is able to provide excellent abilities that reveal the intrinsic essential characteristics and the coupling characteristics, make the performance evaluation more efficient and accurate, improve the economics and reduce the environmental impact of energy technologies and manage the whole life cycle of energy system. Potential topics include, but are not limited to: •Real-time dynamic data-driven simulation; •Multi□energy system flow modeling and simulation technology for integrated energy system; •High performance simulation of energy system; •Application of AI for simulation, optimization and control of Energy System; •Techno-economic optimazation of energy system; •Simulation of integrated energy system; •Combination with reinforcement learning; •intelligent simulation optimization in energy system; •thermodynamic modelling, analysis and optimization of energy systems in various applications • Optimal Dispatching and Operation Simulation of Virtual Power Plant; • Machine learning in energy systems;

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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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