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Optimization and Control of Renewable Energy Sources in Smart Grid

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue will investigate several key aspects of optimization and control of RESs in smart grids to enable enhanced solutions for intelligent and optimized electricity systems, including (1) modeling of power converters for renewable energy conversion, (2) optimization algorithms for energy management and intelligent control of RESs in smart grids, (3) impact analysis of RESs on power quality, (4) operation, planning, protection, dynamics, and reliability of RESs in smart grids, and (5) big data analysis.

Dr. Fazel Mohammadi

Guest Editor



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Special Issue



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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.

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