

Special Issue

Smart Power Grid Low Carbon Energy Systems: Current Trends and New Perspectives

Message from the Guest Editors

It is our pleasure to invite you to submit your paper for consideration in an upcoming Special Issue, entitled “Smart Power Grid Low Carbon Energy Systems: Current Trends and New Perspectives”. This Special Issue will focus on novel energy solutions in smart power grids to achieve a low carbon and sustainable energy system and reach ambitious carbon-neutrality targets.

Renewable energies, energy storage and electrical vehicles are among the key low carbon technologies in addressing the global climate change. However, with the increasing penetration of renewable energy sources and energy storage in the power grid, it is necessary to develop efficient and reliable energy system solutions to effectively integrate those low carbon technologies in the power grid. In a smart power grid, multi-way power flow and information flow are monitored or controlled by widespread and advanced equipment, including smart meters, smart transformers, distributed power electronics converters, etc. These trends enable novel low carbon energy system solutions, but have also raised concerns about the safety, stability, and economy of the smart power grid.

Guest Editors

Dr. Zhengyu Lin

Dr. Hui Guo

Dr. Fulong Li

Deadline for manuscript submissions

closed (30 July 2022)



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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