Special Issue

Energies: Advances in Sustainable PV/Wind Power System

Message from the Guest Editors

This Special Issue will feature recent advances in solar and wind energy technologies, focusing on efficient and dependable renewable energy conversion, transmission, storage, and consumption for a sustainable society. Original contributions, review papers, and tutorials on modeling, control, and operation of wind and solar PV energy systems to conform with grid codes and offer network support are invited for consideration for publication in this special issue. Topics of interest include, but are not limited to, the following:

- Wind and solar PV system modelling, control, and optimization
- Grid integration methods for Wind and PV system
- Stability issues due to high penetration of Wind and PV power into the grid
- Onshore, offshore, and floating wind farms
- Coordination between wind/solar PV farms and energy storage systems to provide ancillary services
- Fault ride-through capability of Wind and PV system
- Hybrid energy systems (e.g., PV+ESS; Wind+ESS, others) and their modeling and control
- LCOE and LCA analysis comparison

Guest Editors

Prof. Dr. Djamila Rekioua
Prof. Dr. Saad Mekhilef
Prof. Dr. Youcef Soufi

Deadline for manuscript submissions

closed (31 March 2023)

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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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