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Advances in Integrating Renewable Energy and Multi-Energy Sources

Guest Editors:

Dr. Amjad Ali

Interdisciplinary Research Center for Renewable Energy and Power Systems (IRC-REPS), King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

Dr. Muhammad Zeeshan Malik

School of Electronics and Information Engineering, Taizhou University, Taizhou, China

Dr. Fazal Akbar

Old College, South Bridge, University of Edinburgh, Edinburgh EH8 9YL, UK

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Message from the Guest Editors

The deployment of renewable energy and multi-energy sources has become a crucial aspect of sustainable development worldwide. Renewable energy sources, such as solar, wind, and hydro, are increasingly being integrated into existing power systems to meet the growing energy demands while reducing greenhouse gas emissions. Effective utilization of these renewable and multi-energy resources necessitates advanced power electronic converters that can efficiently manage the conversion, control, and integration of power from various sources.

The Special Issue aims to provide insights into the various approaches taken by different countries and regions to promote renewable and multi-energy resources and identify challenges and opportunities for their successful deployment. The issue also encourages interdisciplinary research that explores the integration of renewable energy and multi-energy sources within the context of power electronic converter topologies, control strategies, policies, regulations, standards, market dynamics, technological innovation, and socio-economic factors.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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