

## Special Issue

# Application of Power Electronics Converters in Smart Grids and Renewable Energy Systems

### Message from the Guest Editors

Conventional power systems worldwide have experienced a significant transformation, which has been strongly characterized by an increased penetration of power electronic converter interfaced technologies. Among these new technologies are wind, tidal, fuel cell and photovoltaic generation, various storage technologies, FACT devices, HVDC lines, and power electronic interfaced loads. This Special Issue intends to present advanced methods involved in the applications of power electronic converters in smart grids and renewable energy systems. Prospective authors are invited to submit original contributions for publication in this Special Issue. Topics of interest include, but are not limited to:

- Electric and hybrid vehicles;
- High-voltage DC (HVDC) systems;
- Flexible AC transmission system (FACTS) devices;
- Grid planning with large-scale renewable energy resources;
- Bulk energy storage;
- Uninterruptible power system (UPS);
- Modeling of large-scale PV and wind farms;
- Islanded and grid-connected microgrids;
- Fuel cell-based energy systems.

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### Guest Editors

Dr. Irfan Ahmad Khan

Clean and Resilient Energy Systems (CARES) Lab, Electrical and Computer Engineering Department, Texas A & M University, Galveston, TX 77553, USA

Prof. Dr. S. M. Muyeen

Department of Electrical Engineering, Qatar University, Doha 2713, Qatar

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### Deadline for manuscript submissions

closed (31 March 2021)



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

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### Editor-in-Chief

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

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