

Special Issue

Renewable Electric Energy Systems

Message from the Guest Editor

Electric power generated from renewable energy sources is either intermittent and time-varying by nature or is unable to follow the fast variations that are in demand. System performance can be enhanced to maximize economic benefits by incorporating an appropriate electric energy control scheme. This allows for peak power tracking, continuous, and dispatchable power generation (in grid-connected mode), and successful load following (in stand-alone mode). This Special Issue focuses on the analysis, design, and implementation of electric energy control schemes for renewable energy, based on wind, solar, fuel cell, etc. The topics of interest include, but are not limited to:

- Control of wind turbines and wind farms
- Control of PV power generators and plants
- Power conversion systems for renewable electric energy systems
- Reliability of renewable energy systems
- Reliability of power conversion systems
- Control of grid-connected converters under faults
- MPPT algorithms.

Welcome to contribute!

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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