Special Issue

Control, Management and Optimization of Renewable Energy and Storage System

Message from the Guest Editor

A new vision for the next generation of electrical power systems is the smart grid. Renewable energy systems (RES), including wind energy and photovoltic systems, have become an inevitable part of microgrids. However, unlike conventional sources of power generation, the output of RES is intermittent. To mitigate this issue, intergation with energy storage devices is mandatory, and therefore, advanced control and energy management are required for handling the changing dynamics, nonlinearities, and uncertainties of the system. We cordially invite you to submit your original contributions to this Special Issue, entitled “Control, Management, and Optimization of Renewable Energy and Storage System”. The present Special Issue aims to collect innovative solutions and experimental research supported by appropriate modeling and design as well as state-of-the-art studies, in the following topics:

- Distributed renewable energy systems
- Advanced controllers for renewable energy systems
- Maximum power point tracking
- Recent energy management strategies
- Energy storage devices
- Innovative technologies for energy storage
- Hydrogen and fuel cell

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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