

Special Issue

Electric Power Systems and Renewable Energy Sources

Message from the Guest Editors

Renewable energy is rapidly developing and evolving in tandem with advances in electronic power systems. New topologies, novel control techniques, control algorithms, and emerging semiconductor technologies all represent essential topics in the renewable energy processing industry. Potential benefits in terms of cost, efficiency, simplicity, stability, robustness, and standardization are all key factors to consider with regard to energy systems. In modern energy conversion, topologies and algorithms are critical, so we welcome the submission of papers presenting advances in these topics for this Special Issue. Potential topics include, but are not limited to, the following:

- Converter topologies for renewable energy processing;
- Communication technologies for energy resource management;
- Advanced control techniques;
- Control algorithms to provide stability and robustness in microgrids;
- The management of energy storage systems;
- The intelligent management of renewable energy resources, such as photovoltaics or wind.

Guest Editors

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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.

Editor-in-Chief

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