

Special Issue

Design and Control of Smart Renewable Energy Systems

Message from the Guest Editors

This Special Issue is dedicated to research related to new kinds of design and control methods for general energy systems with renewable energy resources, AI-based control strategies, efficient optimization and control methods for system operation, renewable energy system infrastructure and data-driven smart decision-making methods.

General topics covered in this Special Issue include, but are not limited to, the following:

- Next-generation renewable energy system design;
- Control and energy management strategies;
- Uncertainty modeling of renewable energy systems;
- AI-based decision-making methods;
- Data analytics in renewable energy generation and consumption;
- Electrified transportation and renewable energy systems;
- Grid-interactive buildings with distributed renewable resources;
- Efficient optimization and control method for renewable energy systems;
- New equipment and devices for renewable energy resources;
- Policy and market mechanisms for renewable energy systems.

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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 guest-edited by leading experts in selected topics of interest.

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