Special Issue

Modeling, Control and Optimization of Hybrid Energy Systems for Climate Change

Message from the Guest Editors

This Special Issue will be a practical and comprehensive forum for exchanging novel research ideas and empirical practices that bridge the optimization of energy techniques, sustainable energy systems, and the carbon footprint of energy production. Papers that analyze aspects related to energy systems for climate change and those useful for increasing the knowledge of energy systems on the basis of one or more of the following topics are welcome in this Special Issue,

- Low carbon energy production and use technologies;
- Climate change model prediction and uncertainties;
- Thermal energy storage systems;
- Hybrid energy systems for climate change;
- Energy harvesting technology;
- Life-cycle analysis of new energy production;
- Building environment and energy;
- Energy saving building materials;
- Computational fluid dynamics;
- Urban heat island phenomenon;
- Carbon capture and waste management;
- Eco-friendly energy systems;
- Energy technology and policy in smart cities.

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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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