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Renewable and Sustainable Energy System Techniques Development

Guest Editor:

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Deadline for manuscript submissions:
closed (9 June 2023)

Message from the Guest Editor

Developments in techniques enhancing renewable energy output support the sustainability development plan. In addition to the implementation of optimization techniques in other subjects related to energy consumption such as electric furnaces, etc., topics of interest for publication include but are not limited to:

- Photovoltaic energy system cooling techniques in dry weather;
- Impact of weather uncertainty on PV output power;
- Wind energy systems;
- Hybrid PV/wind energy systems;
- Tidal energy systems;
- Geothermal energy systems;
- Impact of renewable energy systems on sustainability;
- Optimal design of wind energy and PV systems;
- Machine learning algorithms in energy systems;
- Nuclear energy system stability;
- Impact of reactive energy sources on system stability;
- Application of advanced control techniques on energy systems;
- Micro-grid systems impacts on network stability;
- Applications of optimized FACT devices on renewable energy systems;
- Application of advanced single and muti-objective optimization techniques.

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Editor-in-Chief

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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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