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Planning, Modelling, Operation and Assessment of Renewable Energy Power Systems

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Renewable Energy Power Systems (REPSs) are becoming increasingly essential and receiving much attention as concerns about greenhouse gas emissions, the security of conventional energy supplies and the environmental safety of conventional energy production techniques continue to grow.

However, integrating renewables poses significant technical and non-technical challenges at both high and low voltage levels, which effectively limits renewable energy resources adoption.

Renewable energy-based power system planning, modelling, operation and control will need to evolve in order to address these challenging issues. The challenges must be addressed effectively through the development of more efficient power system analysis, planning, operational approaches and performance evaluation mechanisms.

This Special Issue aims to address technical and non-technical complexities in the development, management and operations of REPS in order to achieve net-zero emissions by optimal planning and investigation.



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Special Issue



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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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