Special Issue

The Application of Weather and Climate Research in the Energy Sector

Message from the Guest Editors

The energy sector is undergoing an enormous transformation. A transition to renewables is essential to meet future energy demand and to achieve a net-zero carbon emissions by 2050 aligned with the 1.5 °C target. On the other hand, there is a need to ensure climate resilience across the energy sector against more frequent and intense extreme weather, water and climate events, globally. For the energy sector, achieving net zero emissions requires a rapid decarbonisation of the energy system. Such decarbonisation also includes a drastic increase in energy efficiency and system resilience. This Special Issue, therefore, invites papers that contribute toward the following areas:

- Energy Planning and Financing;
- Energy Operations and Maintenance;
- Energy Resource Management;
- Energy Systems Risk Assessment and Investment;
- Climate and Energy Modelling;
- Environmental impacts of energy systems;

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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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