Special Issue

Energy Security in the Net Zero Transition: Perspectives from Whole Energy System Analysis

Message from the Guest Editors

The purpose of this special issue is to explore new and emerging energy security challenges arising in deep decarbonization pathways, i.e. pathways targeting net-zero emissions by around mid-century. This involves taking a more expansive view of energy security, which accounts for interactions between different parts of complex energy systems. Submissions are encouraged which consider the effects on energy security of the radical transformation of energy systems implied by net-zero emissions, exploring both synergies and trade-offs over the time horizon to 2050. The practical aim of the special issue is to present a coherent body of empirical findings that can inform policy. Therefore, country- or regional- case studies or comparisons, as well as review articles, are especially welcomed. We encourage authors to send proposals for papers that could address one or more of the following topics: *Synergies and trade-offs between decarbonization and energy security Exploring different decarbonization pathways and scenarios Methods*

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)

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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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