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Sustainable Distribution Grids and Integration of Renewable Energy

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Message from the Guest Editor

Climate change poses a serious threat to our society, and the energy system plays an important role if we are to avoid this threat. Renewable energy is key, and the distributed resources are extra important because of the especially high value of the electricity production close to consumption.

It is not only electricity production that needs to be considered, but also the grid itself. Due to urbanization, increased electricity consumption, and the fact that renewable energies require more grids than conventional power sources, substantial extension and/or refurbishment are expected. This is despite the fact that we know that grids and grid components also have a negative impact on society, not only financially but also environmentally and socially.

This Special Issue seeks to contribute to make the transition to renewable based energy systems and sustainable distribution grids as smooth as possible and to avoid along-the-way solutions that require correction later. We therefore invite innovative technical developments, reviews, case studies, and analytical, as well as assessment papers from different disciplines.



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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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