Special Issue

Electricity for Energy Transition

Message from the Guest Editors

The energy transition from fossil fuels is crucial to building a sustainable future. Climate change mitigation and air pollution reduction have been targeted as major priorities elsewhere. In this transition, electricity will play a key role. The electricity triangle can be realized according to two different reference scales: small-scale "micro-grids" (low-rated power distributed generation from renewables, local smart distribution grids) or large-scale "global interconnections" (high-rated power concentrated generation from renewables, large scale transmission network). Between these two, some kind of balance, not yet defined, will be achieved in the future. This Special Issue is aimed to provide an overview of this emerging scenario, with reference to the general modelling of the increased penetration of electricity from an energy system and policy perspective, and, as well, from the point of view of the technological developments and implementation, which can make electrification a viable means for the energy transition towards a sustainable word.

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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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