Special Issue

Integration of Renewable Energy in Energy Systems: Perspectives on Investment, Technology, and Policy

Message from the Guest Editors

Integration of renewable energy in energy systems is the key measure to meet the climate challenge, and it plays vital role in the energy transition of energy consumption from fossil energy to renewable energies. Currently, the integration of renewable energy is facing new challenges, associated with the renewable energy access capacity to power grid, electrical energy storage, renewable energy technology innovation, and policy designs involving with market-based mechanism and administrative policies. Therefore, in the transition, renewable energy investment, technology innovation and related policies are key driving forces. The research topics in this Special Issue focus on: (i) investment and policy recommendations of renewable energy, inter-regional transmission lines and charging infrastructures, (i) market mechanism and policy designs of improving the renewable energy access capacity to power grid, (iii) technology innovation and future cost associate with the renewable energies, electrical energy storage and electric vehicles, (iv) resource potential of renewable energies and underlying development goals of renewable energy power in energy systems.

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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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