Special Issue

Low-Carbon Energy System Management in Sustainable Cities

Message from the Guest Editors

Urban cities are facing enormous challenges in meeting their surging energy demand while decreasing carbon emissions. In recent years, low-carbon energy systems attract great attentaion and are deemed as essential means for realizing sustaitanble cities. However, there are existing obstacles and research gaps in low-carbon energy system management towards sustainable cities. Developing efficient and intelligent solutions for low-carbon energy system management is a complex challenge involing interdisplinary knowledge and expertise. This special issue, therefore, provides a forum for researches and scientists to exchange novel research solutions and results to tackle challenges and obstacles in this domain. The detailed topics of interest include, but are not limitting to, the following:

- Urban energy systems
- Energy storage systems
- Low-carbon energy technologies
- Optimization and control techniques
- Big data, smart energy, and smart cities
- Energy efficiency and flexibility in buildings
- Urban energy resilience, policy, and economics
- Urban energy-water nexus
- District heating and CCHP in urban cities

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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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