

Special Issue

Energy Consumption and Smart Cities

Message from the Guest Editors

The need for energy storage in the energy system is well recognized. Energy storage provides benefits through flexibility and the possibility of better linking of various energy and economic sectors. Smart cities require energy that includes non-traditional energy generation technologies and energy storage methods. The variations of output from alternative energy generating methods combined with the desire to utilize energy sources more efficiently have led to the emergence of energy storage mechanisms in smart cities. Smart cities incorporate the use of information communication technology (ICT) to promote integrated and sustainable development in urban areas. The rise of energy storage's ability to make distributed energy systems more flexible, less carbon-intensive, and more resilient is shaping how smart energy solutions can support the sustainability needs of integrated smart city technology and the creation of innovative energy storage systems. One of the main objectives of a smart city is community engagement with energy management.

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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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