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Energy Consumption and Smart Cities

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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