



Efficient Energy Generation, Storage and Consumption in Sustainable Cities

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Message from the Guest Editors

The human population is growing rapidly, the development of renewable energy sources in building engineering systems has become commonplace for all. However, it should be noted that certainly, not all technological solutions are yet exploited. In the sector of civil engineering, the aim is to minimize intervention and, at the same time, the impact on the natural environment. Combining civil engineering with energy, process control, and computer engineering could act on the conversion of buildings' engineering systems into smart systems. Development of DHC systems is the way to sustainable and efficient energy utilization in cities. It enables utilizing low potential (waste energy) energy sources.

The sustainable integration of buildings into the environment and interaction with it, the utilization of solar and wind energy, ground heat or cooling, and the usage of precipitation for different purposes and the development of the smart cities are the main tasks of this Special Issue.





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