

Special Issue

Efficient Utilization of Energy toward Realization of Smart City

Message from the Guest Editor

Recently, global warming has become one of the main issues globally. One of the causes of global warming is the increase of greenhouse gas emissions. Therefore, the efficient utilization of energy is necessary for the reduction of emissions, and smart city demonstration (SC) projects have been conducted all over the world in order to reduce the total energy used and the amount of CO₂ emissions. Using various technologies, including renewable energies such as solar and wind power generation, storage batteries, and recent information technologies, SC can realize sustainable and low carbon emission cities. All countries attending the UN climate change conference 2015 (COP21) proposed the goal to reduce the amount of CO₂ in 2015. The importance of SC is increasing all over the world as a reduction of the amount of CO₂ emissions was again recognized at the COP21. In order to realize smart cities, research has to be conducted in various sectors, and this will be the focus of this Special Issue. Topics of interest for publication include, but are not limited to: Smart energy management; Energy efficiency in water/automobiles/electric power systems/in whole cities.

Guest Editor

Prof. Dr. Yoshikazu Fukuyama

Department of Network Design, School of Interdisciplinary Mathematical Science, Meiji University, 4-21-1, Nakano, Nakano-ku, Tokyo 164-8525, Japan

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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