Special Issue

Transition to a Low-Carbon Economy and Climate Change Mitigation

Message from the Guest Editors

Concerns about climate change and the Paris Agreement are leading many countries to set goals close to net-zero emissions in energy systems by 2050. To achieve this objective, many areas are of great interest such as i) the development of renewable technologies, with great technical improvements over time that generate economic advantages; ii) efficiency improvements in both residential and industrial sectors; or iii) alternative modes and energy sources for transportation. This process is accompanied in many countries by carbon pricing mechanisms (carbon tax or carbon markets), as in the case of the European Trading Scheme (ETS). All this drives the decarbonization of energy systems. While in some sectors this decarbonization can be a manageable goal, in other sectors, such as some transportation and industrial sectors that intensively use carbon, this is a difficult goal. This Special Issue focuses on the developments of technologies and economic instruments and policies to mitigate climate change.

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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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