Special Issue

Low-Carbon Development, Energiewende and Digitalization

Message from the Guest Editor

With the growing pressure of global energy transformation and environmental protection, the application of digital technologies in the energy sector has become a key driver for efficient and clean energy production and consumption. Digital energy not only optimizes the processes of energy production, transmission, and consumption but also provides strong technical support for achieving low-carbon goals. Through digital tools, intelligent energy system management can be realized, energy efficiency can be improved, and carbon emissions can be reduced, thereby promoting the green transformation and sustainable development of the economy. Against this backdrop, this Special Issue aims to respond to the national strategies for digital economy and "dual carbon" development. It focuses on cutting-edge research and innovative practices in the field of digital energy and low-carbon development. This Special Issue will explore how digital technologies can enhance energy efficiency and drive green transformation, with a focus on pioneering technological achievements, regional governance innovations, and exemplary case studies.

Guest Editor

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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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