

Special Issue

Advances in Smart Energy, Energy Efficiency and Renewable Energy Technologies for Net-Zero Energy Systems

Message from the Guest Editors

This Special Issue will collect original research or review articles on the recent findings in the areas of: smart energy systems, renewable energy technologies, progress in energy storage, decarbonization of transport, energy efficiency (in all sectors), district heating and cooling systems, using hydrogen as an energy carrier, e-fuels, waste management, decarbonization of fossil fuel industry, carbon capture, utilization and storage, heat transfer enhancement etc. Studies can be conducted at the level of a particular technology or element of the energy system through numerical methods (incl. computational fluid dynamics), laboratory or field measurements. Research can also be conducted at the level of energy systems analysis, including the techno-economic analysis, smart management and use of the short-, mid- and long-term energy planning tools and methods.

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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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