

Special Issue

Advanced Energy and Carbon Saving Systems for Oil and Gas Transportation

Message from the Guest Editors

As energy systems race toward low carbon, energy-saving systems become significant for oil and gas transportation, especially for pipeline transportation and so on. For oil and gas transportation, energy-saving includes two aspects: 1) the transportation system itself can be served as a means for energy saving, such as natural gas pipelines, which can achieve storage by the pipeline or tank; 2) oil-gas transportation systems consume large amounts of energy during operation, which should be improved by increasing energy efficiency and reducing energy consumption. For energy efficiency increase, drag reduction methods should be put forward. In addition, pumps or compressors should run at high efficiency. For energy consumption decrease. Furthermore, renewable energy including hydrogen should be researched for oil and gas transportation systems. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control, and condition monitoring of all types of advanced energy-saving systems for oil and gas.

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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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