Special Issue

Advanced Techniques and Technologies in Natural Gas Research and Engineering

Message from the Guest Editors

The Special Issue is motivated by rapid changes in the global energy mix and opportunities arising from the flexibility and performance characteristics of natural gas. There have been many emerging techniques for effective management of the gas grids. This Special Issue will deal with novel optimization and control techniques for gas grids and natural gas end-use applications. Topics of interest for publication include:

- Optimization of operation of gas transport systems
- Gas distribution networks: managing the diversification of gas quality
- Recent software development in pipeline systems modelling and simulation
- Small scale LNG and distributed energy technologies
- Effect of Power-to-Gas conversion on gas sector
- Decarbonisation of the gas grids: blending biomethane/hydrogen and natural gas
- Natural gas end use applications for hybrid systems

Guest Editors

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Deadline for manuscript submissions

closed (28 January 2022)

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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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