Special Issue

Impact of Hydrogen and Natural Gas Substitute on the Gas Networks

Message from the Guest Editors

This Special Issue refers to the use of H2NG (hydrogen in natural gas) and syngas mixtures, and in particular, to:

- power to gas and hydrogen production technologies (including renewable energy sources, membranes, electrolysers)
- synergies between hydrogen and renewable energy
- impact of hydrogen and NG substitute on gas transmission and distribution networks
- blending hydrogen into natural gas for heating and cooking purposes
- impact on measurement instruments and unaccounted-for gas
- technical impacts on residential and commercial gas appliances
- case studies

Guest Editors

Prof. Dr. Marco Dell'Isola

Department of Civil and Mechanical Engineering, University of Cassino and Southern Lazio, Cassino, FR, Italy

Prof. Dr. Giuseppe Spazzafumo

Department of Civil and Mechanical Engineering, University of Cassino and Southern Lazio, Via G. Di Biasio, 43, 03043 Cassino (FR), Italy

Deadline for manuscript submissions

closed (30 September 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/72043

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI