



energies



an Open Access Journal by MDPI

Theory and Key Technologies of Drilling Engineering for Unconventional Oil and Gas

Guest Editor:

Dr. Yanbin Wang

MOE Key Laboratory of
Petroleum Engineering, China
University of Petroleum, Beijing
102249, China

Deadline for manuscript
submissions:
closed (15 March 2023)

Message from the Guest Editor

Dear Colleagues,

Unconventional oil and gas resources are abundant worldwide and have great scope for further exploration and development. In recent years, drilling engineering technology has achieved breakthroughs in this field. However, the path to the efficient and green development of unconventional oil and gas resources still faces great challenges. Generally, these resources are found under complex geological conditions and harsh operating environments, engendering a series of technical challenges for drilling engineering. Thus, innovative research focusing on key issues in the drilling process could provide a scientific impetus for the realization of technology breakthroughs, which is of great significance to the safe and efficient development of unconventional oil and gas.

This Special Issue aims to present the most recent advances in the theory, design, modelling, and control technology for the development of unconventional oil and gas.

Topics of interest for this publication include, but are not limited to:

All aspects of basic theory, technology, and field application in drilling engineering, cementing, and well completion for unconventional oil and gas.



mdpi.com/si/118824

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)