Special Issue

Multifield and Multiscale Coupling of Rocks in Deep Energy Exploitation

Message from the Guest Editors

This Special Issue aims to provide a platform for publishing original articles and reviews on recent numerical and experimental advances and applications on multi-scale and multi-physics couplings in rock mechanics and engineering. We welcome high quality papers on theoretical developments, laboratory testing, field investigations, computational methods, and case studies. Potential topics include but are not limited to the following:

- Multi-physics coupling theory involving thermal-hydraulic-mechanics coupling theory, seepage, and porous mechanics and hydraulic fracture
- Experimental and site characterization including 3D printing, micro-CT scanning, heterogeneous and noncontinuous feature, in-situ testing & monitoring
- Advanced multi-scale modelling methods such as discrete element modelling, peridynamics, mesh free method, micromechanical continuum models, fluid-solid coupling
- Geosystem & engineering applications referring to slope stability, foundations, tunnelling, hydraulic engineering, environment geotechnical engineering

Guest Editors

Prof. Dr. Chun Zhu
Prof. Dr. Manchao He
Dr. Junlong Shang

Deadline for manuscript submissions

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

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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.

Editor-in-Chief

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

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