



Multifield and Multiscale Coupling of Rocks in Deep Energy Exploitation

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Deadline for manuscript submissions:

closed (31 July 2022)

Message from the Guest Editors

Dear Colleagues,

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





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Message from the Editor-in-Chief

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