Special Issue

Macro–Meso Mechanical Response and Engineering Reliability Evaluation of Rock Mass under the Action of Multi-Field Coupling

Message from the Guest Editors

Natural rock mass usually occurs in a multi-physics geological environment system under the coupling action of stress, seepage, temperature, and chemical fields. With the development of underground space and the exploitation of mineral resources, rock mass engineering is often affected by dynamic loading due to excavation disturbance and other factors. Under the coupling effect of the above-mentioned multi-fields, the macroscopic and mesoscopic physical and mechanical properties of rock mass are bound to be changed, thus affecting the stability of rock engineering. The macroscopic and mesoscopic mechanics of rock mass under multi-field coupling environment is one of the key scientific and technological problems to be solved in the long-term stability analysis and long-term operation of rock mass engineering. It is also the focus and difficulty of current research on rock mechanics. This Special Issue will cover a wide range of topics relating to the macro–meso mechanical response of rock under the action of multi-field coupling. We invite scientists and investigators to contribute original research and review articles addressing the main issues facing the field.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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