



Numerical Simulation and Application of Process in Deep Mining Engineering and Petroleum Engineering

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Message from the Guest Editors

With the utilization of underground space, the development of underground power stations, the development of mineral resources and energy sources, and transportation, the research on rock mechanics will increasingly turn towards an underground focus. Therefore, more attention will be paid to problems related to underground engineering in the future, such as rapid construction technology, rock burst, gas explosion, and in situ monitoring of surrounding rock.

This Special Issue, entitled “Numerical Simulation and Application of Process in Deep Mining Engineering and Petroleum Engineering”. Topics include, but are not limited to, methods and/or applications in the following areas:

- Efficient numerical simulation method for rock mechanics.
- Numerical simulation of rock and soil mass behavior under different loading conditions.
- Modeling of soil–fluid interaction and its influence on rock behavior.
- Computational geomechanics for underground excavations and tunnels.
- New construction techniques and engineering applications in geotechnical engineering.





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Message from the Editor-in-Chief

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