

## Special Issue

# Machine Learning and Artificial Intelligence in Rock Mechanics

### Message from the Guest Editors

This Special Issue titled "Machine Learning and Artificial Intelligence in Rock Mechanics" aims to explore the extensive applications of artificial intelligence (AI) and machine learning in rock mechanics and related fields. It covers the latest advancements and innovative applications of AI technology in rock mechanics, geological engineering, mining, underground engineering, and resource development. From data-driven predictive models to intelligent mining and geological explorations, this Special Issue delves into the leveraging of machine learning and AI techniques to enhance the understanding and application of rock mechanics, advancing the frontier of this field. Submissions containing new algorithms, case studies, and technological innovations that provide inspiration and the latest insights to researchers and practitioners of this interdisciplinary field are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 February 2026)



## Applied Sciences

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### Editor-in-Chief

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