

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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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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