Special Issue

Application of Artificial Intelligence in Rock Mass Engineering

Message from the Guest Editors

This exclusive collection aims to showcase the latest advancements, cutting-edge research and practical applications of artificial intelligence (AI) in the field of rock mass engineering. The Special Issue will encompass a wide array of topics related to the integration of AI techniques in rock mass engineering, including, but not limited to: (1) AI-based predictive modeling for rock behavior and geomechanical analysis, (2) machine learning algorithms for rock mass classification and characterization, (3) deep learning applications in rock mass deformation and stability analysis, (4) AI-driven optimization and decision-making in rock engineering projects, (5) virtual reality and simulation technologies using AI for rock mass visualization and analysis, (6) application of AI in acquiring and modeling geometric parameters of rock masses, (7) AI-driven rock mass sensing and measurement techniques and (8) data processing and intelligent monitoring systems for sensor data in rock engineering

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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.

Editor-in-Chief

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