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## Artificial Intelligence and Digital Technologies Shaping Mineral Industry 4.0

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### Message from the Guest Editors

Recent advances in AI technologies have provided a new approach in solving problems related to mineral industry. The implementation of AI, machine learning, expert and autonomous systems, intelligent process automation, advanced analytics modeling, and simulation provide many economic benefits for the mineral industry through cost reductions, energy efficiency, improved productivity and safety, and reduced environmental footprints.

This Special Issue aims to present the current state and progress of AI technologies in mineral industry, their range of applications, current research projects, industrial implementations, future trends, and potential applications to emerging problems in the mineral industry. The objective is to demonstrate the importance of such technologies in raw material exploration, extraction, and processing, to provide researchers and practitioners with the means to present their work, and raise awareness in the academic, research, and industry community on the maturity and potential of AI technologies as the basis for developing solutions essential for the transition of traditional mining to mineral industry 4.0.



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## Message from the Editor-in-Chief

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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