Special Issue

Innovative Techniques in Underground Excavation

Message from the Guest Editors

Currently, the need for more surface space is generating a great demand for underground infrastructures. Regarding the mining sector, there are not only economic conditions when choosing underground mining as a productive solution, but also environmental and social pressures. New developments are being introduced in underground projects, many of them based on sensorization, IoT or big data. Papers are welcomed on innovative techniques or technological applications for geoinvestigation, geomechanics, design, modelling, excavation, support, ground improvement, planning, construction and monitoring, environmental protection, as well as maintenance, rehabilitation or re-use of underground space. We want to provide an international forum for theoretical developments, analytical methods, numerical methods, testing advances, site investigation and case studies, both in mining and civil engineering underground projects, including tunnels, large underground structures, or basements.

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Deadline for manuscript submissions

closed (15 August 2022)



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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