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# **Mathematical Problems in Rock Mechanics and Rock Engineering**

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Deadline for manuscript submissions:

closed (30 September 2022)

## **Message from the Guest Editors**

With the increasing requirements for energy, resources and space, numerous rock engineering projects are more often being constructed and operated in large-scale environments with complex geology. Meanwhile, rock failures and rock instabilities occur more frequently, and severely threaten the safety and stability of rock engineering projects. It is well-recognized that rock has multi-scale structures, from minerals, particles, fractures, fissures, joints, and stratification, to fault, and involves multi-scale fracture processes. Meanwhile, rocks are commonly subjected simultaneously to complex static stress and strong dynamic disturbance. Therefore, our understanding of rock mechanics and the prevention and control of failure and instability in rock engineering needs to be furthered.

The primary aim of this Special Issue is to bring together original research discussing innovative efforts regarding in situ observations, laboratory experiments and theoretical, numerical, and big-data-based methods to overcome the mathematical problems related to rock mechanics and rock engineering. Submissions showcasing the latest developments in this field are welcome.











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### **Editor-in-Chief**

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# Message from the Editor-in-Chief

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