Special Issue

3D Point Clouds in Rock Mechanics Applications

Message from the Guest Editors

We would like to invite you to contribute to a Special Issue of *Remote Sensing* that will be dedicated to the nascent field of using 3D point clouds in rock mechanics. Rock mechanics and rock engineering, as the branch of mechanics concerned with the response of the rock and rock masses to the surrounding forces, aims to model ground behavior to external disturbances, such as geometrical changes (road cuts, excavations, tunneling, mining, etc.) and subsequent external variations in the force fields. This is usually carried out through the evaluation of the rock mass properties (e.g., orientation of discontinuities, persistence, normal spacing, roughness) following labor-intensive traditional in situ procedures. This Special Issue invites contributions aiming to present new strategies for acquiring and exploiting 3D point clouds for investigating rock masses, including high-impact applications in civil works and geohazards.

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Guest Editors

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Deadline for manuscript submissions

closed (30 November 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/45033

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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