Special Issue

Technological Advances in Seismic Data Processing and Imaging

Message from the Guest Editors

Seismic exploration is a method with deeper exploration capabilities and higher resolution than potential geophysical methods and has been widely used in the fields of oil and gas exploration, mineral exploration, engineering, and environmental exploration. Seismic data processing includes many conventional steps such as static correction, denoising, deconvolution, migration, and multiple eliminations, all of which play an important role in improving the final imaging quality. This Special Issue will focus on the development of advanced seismic data processing and imaging technologies and their successful application. It also welcomes technological development on passive seismic and surface wave-related development. Seismic data processing with deep learning and parallel computing is also considered in this issue.

Guest Editors

Prof. Dr. Guofeng Liu

Dr. Zhifu Zhang

Prof. Dr. Xiaohong Meng

Deadline for manuscript submissions

closed (20 March 2023)

About the Journal

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.

Editor-in-Chief

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