Special Issue

Big Data in Seismology: Methods and Applications

Message from the Guest Editors

The term "Big Data" has grown in prominence over the last ten years. As a result, the field of big geospatial data has recently received considerable attention from various areas. We encourage articles, reviews, and technical reports that combine theory and experiments to process seismic data using parallel computing and deep learning. Appropriate articles will discuss the most recent advancements and cutting-edge research in the geospatial big data field, with a focus on the following issues:

- Data selection and acquisition;
- Seismotectonic and seismicity of the region;
- Artificial intelligence and geoscience-based design methodologies (machine learning and deep learning);
- Data science's role in the geosciences' conventional and new issues;
- Needs and perspectives for the use of data in geosciences;
- Simulating the essential mechanical conditions resulting in rupture dynamics using laboratory and numerical models.

Guest Editors

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Dr. Michail Gianniou

Deadline for manuscript submissions

closed (30 September 2023)

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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.

Editor-in-Chief

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