Special Issue

Artificial Intelligence Applications in Earthquake Science

Message from the Guest Editor

The flourishing of artificial intelligence in its various forms, from deep learning to generative artificial intelligence, has made it possible in recent years to perform tasks that previously seemed out of reach or completely impossible. Science is starting to accept that, perhaps, earthquake prediction is only as impossible as weather forecasting was considered some centuries ago.

In the current Special Issue, we welcome contributions from all AI disciplines focusing on earthquake prediction from data sources including, but not limited to, anomalies in the Total Electron Content (TEC) of the ionosphere or other ground- or space-based recorded anomalies of electromagnetic nature, b-values and other estimators from the seismic data catalog, crustal strain variations, geomagnetic data, and geoacoustics signals. We especially encourage contributions that aim to produce a robust forecasting system with broad geographic application over time.

Guest Editor

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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.

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