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## Statistical Methods for Earthquake Hazard Assessment and Risk Analysis

Guest Editors:

**Dr. Peng Han**

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Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

Assessing seismic hazards and analyzing the risk of strong earthquakes is of great significance for earthquake disaster mitigation and preparedness. In this practice, statistical methods and entropy/information theory are widely utilized to identify the spatial-temporal pattern of past seismicity with uncertainty quantification, to validate proposed forecasting models, and investigate the risk potential of future strong earthquakes. Further success on this front requires new techniques and applications of statistical models and entropy/information theory toward earthquake hazard assessment and risk analysis. Contributions addressing any of these issues are very welcome.

This Special Issue will accept the articles focused on (not restricted to) the following topics:



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Kevin H. Knuth**

Department of Physics, University  
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## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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