

Special Issue

Automatic Detection of Seismic Signals

Message from the Guest Editors

Automatic detection and picking of seismic signals is crucial for seismic networks, which continuously monitor and work with huge volumes of data. In this situation, manual picking is tedious work in which some small events can go unnoticed and others can produce false alarms. Accurate and reliable identification and detection of seismic phases is essential for subsequent real-time analysis. The information contained in the different seismic phases allows the expected magnitude, the epicentral location of an event, and other parameters that might be used by earthquake early-warning systems to be estimated. The aim of this Special Issue is to present the most recent advances in the automatic detection and phase picking of seismic signals. Topics related to this Special Issue of *Sensors* include, but are not limited to:

- Automatic seismic event detection;
- Accurate seismic phase picking;
- Real-time processing of seismic signals;
- New methodologies for the automatic estimation of earthquake parameters;
- Monitoring and early-warning systems.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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