Special Issue

Sensors and Their Applications in Seismology

Message from the Guest Editors

The primary objective of seismology is to comprehend the nature of earthquakes and faults, and to elucidate the internal structure and dynamic mechanisms of Earth and other planets. Consequently, techniques for detecting signals from these subsurface movements and deformation processes are critical to seismological research. In recent years, the emergence of high-frequency GNSS, InSAR, and advanced seismic instrumentation such as nodal seismometers and Distributed Acoustic Sensing (DAS) fiber optics, in conjunction with conventional broadband and short-period seismometers and strong-motion sensors, has enabled full-spectrum observations spanning various sensitivities and multiple periods. This provides crucial technical support for seismological investigations. This Special Issue aims to collect papers focusing on advancements in observational techniques for seismic and related processes, as well as studies that utilize these techniques to investigate various seismological phenomena.

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Message from the Editor-in-Chief

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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