Special Issue

Sensor Technologies for Seismic Monitoring

Message from the Guest Editors

Recently, we have seen a growing interest in seismic monitoring, which safeguards human lives through the comprehension of such phenomena. Advances in technology have allowed more and more sophisticated seismic networks to be designed; modern seismic networks based on new sensor technologies can detect a massive number of earthquakes, generating an extremely large dataset for analysis. The application of technology such as ultra-sensitive MEMS-based and interferometric accelerometers, distributed optical fiber sensing (DOFS), and distributed acoustic sensing (DAS) based on fiber optics technology has dramatically improved the seismic monitoring capability. Moreover, there are many geophysical phenomena that we are able to record with seismic networks. This Special Issue, therefore, aims to highlight advances in sensor technologies for seismic monitoring and data analysis methods. Original research and review articles on advanced techniques of seismic monitoring are welcome.

Guest Editors

Prof. Dr. Yibo Wang

Prof. Dr. Wentao Zhang

Dr. Qingwen Liu

Prof. Dr. Danping Cao

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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