

Special Issue

Smart Sensors, Internet of Things, Machine Learning: Coalition Forces on Seismic Monitoring

Message from the Guest Editor

Seismic monitoring is the cardinal and indispensable measurement data supplier to seismology. Providing the most complete and accurate earthquake information, multi-sensor, seismic networks contribute essentially to breakthroughs in studying Earth's interior and in understanding earthquake mechanisms and dynamics, tectonics, seismic hazards, volcanology and in many other disciplines of geophysics and recently planetary physics as well. Permanent global and regional seismic networks, the backbone of passive seismology, reinvigorated by employing diverse high-end sensors, broadband, with high-resolution and dynamic amplitude, yet expensive. Challenges remain concerning covered Earth's surface (unbalanced deployments on land and ocean-bottom) and interstation spacing (sparse coverage), as well to monitor rotational seismic motions.

Guest Editor

Dr. John P. Makris

Department of Electronics Engineering, Hellenic Mediterranean University, Chania, Greece

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

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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.

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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