Special Issue

Editorial Board Members' Collection Series: Application of InSAR Technology in Geodesy, Earthquake, Landslides and Other Disaster Warning

Message from the Guest Editors

Natural disasters such as earthquakes, land subsidence, and landslides pose significant threats to both human life and infrastructure. Surface displacements provide crucial data for monitoring natural disasters, facilitating the inversion of the necessary geological/geophysical parameters and allowing us to understand of the behavior of natural disasters and to mitigate the losses that they cause. Interferometric Synthetic Aperture Radar (InSAR) has been widely used to monitor natural disasters owing to its wide coverage, high accuracy, and efficiency in terms of labor. Rapid advancements in radar sensors, computer science, and InSAR data processing algorithms have greatly enhanced our capabilities in monitoring natural disasters. The Special Issue aims to gather high-quality articles related to InSAR data processing and its applications in earthquakes, land subsidence, landslides, and other natural disasters. Contributions may include, but are not limited to, the following topics:

- InSAR earthquake monitoring;
- InSAR land subsidence monitoring;
- InSAR landslide monitoring;
- reviews of InSAR in natural disaster monitoring;
- reviews of InSAR data processing.

Guest Editors

Prof. Dr. Guangcai Feng

School of Earth Sciences and Information Physics, Central South University, Changsha 410017, China

Prof. Dr. Yong Zheng

School of Geophysics and Spatial Information, China University of Geosciences (Wuhan), Wuhan 430074, China

Deadline for manuscript submissions

closed (25 February 2025)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed

mdpi.com/si/201664

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)