

Special Issue

The State-of-the-Art of Critical Infrastructures (CI) Monitoring/Protection

Message from the Guest Editors

Critical Infrastructures (CIs) are technological systems that ensure the provision and the delivery of essential services to citizens. Therefore, they must be protected and their operational continuity guaranteed with respect to the possible occurrence of perturbations from different origins (technological, natural, anthropogenic), which can compromise their integrity and reduce (or interrupt) their functioning. Infrastructures nowadays constitute an entangled "system of systems" as they provide services to each other. Satellite remote sensing, either with onboard optical sensors or SAR sensors, is an effective tool used in Earth sciences, in the monitoring of anthropogenic activities and for CI protection. The objective of the Special Issue is to provide an overview of the state of the art of CI monitoring/protection and natural or anthropogenic disaster management, deeply exploiting the capabilities of optical and SAR remote sensing. Papers related to data interoperability, mining, and management are warmly welcome.

Guest Editors

Dr. Salvatore Stramondo

Istituto Nazionale di Geofisica e Vulcanologia Centro Nazionale Terremoti, Rome, Italy

Dr. Maurizio Pollino

ENEA, Italian National Agency for New Technologies, Energy and Sustainable Economic Development Casaccia Research Centre, 00123 Rome, Italy

Deadline for manuscript submissions

closed (31 October 2025)



Geomatics

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 4.6



mdpi.com/si/232303

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

[mdpi.com/journal/
geomatics](https://mdpi.com/journal/geomatics)





Geomatics

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 4.6



[mdpi.com/journal/
geomatics](https://mdpi.com/journal/geomatics)



About the Journal

Message from the Editor-in-Chief

Geomatics is the modern adaptation of traditional surveying, mapping, and their related skills. In geomatics, Information and Communication Technology (ICT) and digitization play a focal role. Geomatics is the discipline that integrates the tasks of gathering, storing, processing, modeling, analyzing, and delivering georeferenced information. Geomatics produces, validates, and represents georeferenced data that helps to provide services that meet the needs of society.

Editor-in-Chief

Prof. Dr. Enrico Corrado Borgogno Mondino
Department of Agricultural, Forest and Food Sciences, University of
Turin, L.go Braccini 2, 10095 Grugliasco, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Journal Rank:

JCR - Q2 (Geography, Physical) / CiteScore - Q1 (Earth and Planetary Sciences (miscellaneous))