

Special Issue

Structural Health Monitoring of Historical Buildings

Message from the Guest Editors

Historical buildings such as churches, towers, and palaces represent a large component of European cultural and monumental heritage. As it is well known, most of these constructions are characterized by masonry load-bearing structures designed to withstand only gravity loads, with very limited earthquake resistance capacity. As a result, historical buildings are particularly prone to structural pathologies typically caused by differential foundation settlements, excessive live loads, and natural hazards such as seismic events. Inadequate maintenance policies and the normal aging of building materials represent common aspects of the causes of the premature collapse of historic buildings. The growing awareness among citizens and administrations on the critical role of cultural heritage constructions within the tourism industry and related sectors, as well as their historical and artistic values, has motivated the more frequent implementation of structural health monitoring approaches. This Special Issue aims to collect original full papers, review articles, and short communications highlighting the latest advances in research on SHM applications to historical buildings.

Guest Editors

Dr. Andrea Meoni

Dr. Giacomo Zini

Dr. Enrique García-Macías

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

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Message from the Editorial Board

Heritage is an international, peer-reviewed, open access journal that focuses on knowledge, conservation, interpretation and management of cultural and natural heritage, by presenting and enabling novelty and advances in sensing technologies, novel methods, best practices and policies. *Heritage* has the ambition to become a “cultural forum”, where scientists and experts offer answers to significant issues affecting cultural and natural heritage, by creating a knowledge bridge between different technological and social disciplines. *Heritage* has an Editorial Board of eminent international leaders and this ensures rigorous peer-review processing for high quality and novel papers. We strongly recommend *Heritage* for the rapid and professional publication of your innovative research and case studies.

Editors-in-Chief

Dr. Francesco Soldovieri

National Research Council of Italy (CNR), Institute for Electromagnetic Sensing of the Environment (IREA), Via Diocleziano 328, 80124 Napoli, Italy

Prof. Dr. Nicola Masini

1. CNR-ISPC (Institute of Heritage Science), 85050 Tito, Italy
2. School of Architecture, University of Basilicata, Potenza, Italy

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