

Special Issue

Experimental and Numerical Analysis in Building Rehabilitation and Strengthening

Message from the Guest Editors

Despite their inherent heritage value, ancient buildings usually do not comply with the current demanding design codes, especially regarding earthquake resistance. Moreover, because of their age, lack of maintenance or inappropriate interventions, these buildings are frequently degraded. Also recent buildings may not respect the minimum structural safety levels if they have been subjected to design and construction errors or have been exposed to severe loading, such as foundation settlement or earthquakes, or have suffered accidents, such as fire or explosion. All of these situations may require a structural intervention, preceded by proper assessment and design, either at the material level, with local reinforcement or with an overall strengthening program. The aim of this special issue is to attract world-leading researchers in the area of building rehabilitation and strengthening and to spread their latest developments, including numerical modelling, laboratory and on-site experimental testing and surveying.

Guest Editors

Prof. Dr. João Gomes Ferreira

Prof. Dr. António Sousa Gago

Dr. Daniel V. Oliveira

Deadline for manuscript submissions

closed (30 April 2021)



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

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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