Special Issue

Seismic Performance of Existing RC Buildings and Elements

Message from the Guest Editors

A large part of the existing reinforced concrete (RC) building stock in seismic areas has not been designed in compliance with contemporary earthquake engineering principles. Moreover, the development of capacity models for displacement-based assessment and nonlinear modelling of this kind of RC elements—often referred to as “substandard” or “non-conforming”—is a key issue, both for pre-normative research and for seismic vulnerability/fragility analysis of existing buildings, also within a performance-based and/or life cycle assessment (LCA) approach to the design of sustainable strengthening/retrofit solutions.

The scope of this Special Issue may be exploited as reference and support for the definition of code- and practice-oriented proposals for the seismic performance assessment, potentially including also other hazard sources, of this kind of structures/elements, as well as for the ordered definition of frameworks/methodologies/procedures for the comprehensive assessment of their seismic performance including; potentially, multi-hazard sources, as well as environmental and energetic issues.

Guest Editors

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Deadline for manuscript submissions

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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