

## Special Issue

# Evaluation and Mitigation of Seismic Risk for Existing Buildings, Structures, and Infrastructures

### Message from the Guest Editor

In order to mitigate the seismic risk and reduce the direct and indirect losses, public administrations, private, owners, and professionals, despite operating at different territorial scales, with different objectives and tools, should perform a synergic work based on the rational criteria and tools. The effectiveness and reliability of the assessment, and the resulting seismic risk mitigation strategies should be based on tools and models that can simulate seismic effects, in terms of direct and indirect losses. This Special Issue calls for high-quality unpublished research works related to different and advanced approaches for seismic risk mitigation. Potential topics include, but are not limited to, the following:

- Innovative, simple, fast, readily available, and economically sustainable retrofitting strategies and optimized rules;
- Definition of rational criteria for risk-mitigation policies;
- Allocation of the resources based on novel approaches and methods;
- Seismic vulnerability evaluation and retrofit of buildings, structures, and infrastructures;
- Structural control, monitoring, and assessment of structural damage;
- Seismic hazard analysis;
- Case studies.

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### Guest Editor

Dr. Marco Vona

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### Deadline for manuscript submissions

closed (31 May 2020)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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