



## Seismic Assessment and Retrofit of Industrial Facilities and High-Technological Buildings

Guest Editors:

**Dr. Emanuele Gandelli**

Department of Architecture, Built Environment and Construction Engineering, Polytechnic University of Milan, 20133 Milan, Italy

**Dr. Roberto Nascimbene**

Department of Science, Technology and Society, University School for Advanced Studies IUSS Pavia, 27100 Pavia, Italy

**Dr. Paolo Dubini**

European Centre for Training and Research in Earthquake Engineering, Pavia, Italy

### Message from the Guest Editors

Dear Colleagues,

The integrity of industrial facilities (e.g., energy plants, tanks, silos, pipelines, steel racks) and high-technological buildings (e.g., hospitals, logistic centers) after severe seismic events is essential to ensuring full operation (i.e., resilience) and a prompt response of hit communities and territories when these events occur. However, the seismic assessment of these structures and the design optimal retrofiting interventions are not always sufficient due to: (a) the massive presence of non-structural components and other resisting systems with quite uncommon structural properties; (b) the complex dynamic interaction with the main supporting frame. Within this framework, the papers included in this Special Issue aim to address some of these specific issues, and to propose novel approaches/technologies for the seismic retrofit of these structures.

Deadline for manuscript submissions:

**closed (20 November 2021)**





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](https://twitter.com/appls)