Special Issue

Dynamics of Building Structures

Message from the Guest Editors

This Special Issue is dedicated to academic researchers who want to propose studies on Dynamics of Building Structures, covering all the points of view from the ideal design, to the realization, up to the retrofitting process. This involves many preeminent aspects, all finalized to the good performance of buildings under severe actions including earthquakes, wind, and blasts. The subject, of great interest in the field of Civil Engineering, is strictly framed into the theme of secure societies, within the priority innovation challenge of disaster resilience. Some of the topics considered for this Special Issue include but are not limited to the following:

- Linear and nonlinear dynamics;
- Seismic engineering;
- Base isolation and seismic dampers;
- Elastoplastic dynamics;
- Infill and cladding effects;
- Modal identification;
- Damage detection;
- Innovating materials for retrofitting;
- Passive and active control;
- Soil–structure interaction;
- Wind effects and aeroelasticity;
- Tall and slender buildings.

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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

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