Special Issue

Advances in Structural Vibration Control

Message from the Guest Editor

Structures can develop lateral displacements, accelerations, and significant vibrations under wind, wave, and seismic hazards, which can create the potential for damage and loss of life and property. Vibration control technology is an important method to address the issue of structural vibrations without significantly enhancing the structures. The main scope of structural vibration control is the suppression, or at least the attenuation, of undesirable vibrations by means of passive, semiactive, or active devices. The most commonly used devices are the tuned mass damper, buckling-restrained brace, viscous fluid damper, viscoelastic damper, metallic damper, and friction damper, among others. Potential topics include, but are not limited to, the following:

- Novel vibration control strategies, including active, semi-active, and passive control technologies;
- Synergistic application of different vibration control strategies;
- Vibration control of buildings/ bridges under wind and seismic hazards;
- Vibration control of offshore structures under wind and wave hazards;

Successful case studies of applying vibration control technologies in real engineering projects.

Guest Editor

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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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