



Nonlinear Dynamics and Vibration Control of Structures

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Message from the Guest Editors

There are many vibration problems in the design and analysis of mechanical structures, which present significant new challenges for the promotion and application of these mechanical structures. Although a lot of research has been carried out for developing the nonlinear dynamics and vibration control of different structures, it is still challenging to promote new experimental techniques and new theoretical methods for the nonlinear dynamics and vibration control analyses of many new mechanical structures.

This Special Issue aims to provide an international forum for deeply discussing the developing studies for nonlinear dynamics, stability, and vibration control of different advanced structures. The topics include but are not limited to the latest developments of new experimental techniques as well as analytical and advanced numerical tools for linear/nonlinear vibration, stability, chaos, flutter, vibration suppression, and vibration control analyses. Additionally, new insights into advanced numerical approaches to nonlinear dynamics problems of composite structures and rotating structures are invited.





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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.

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