

Special Issue

Nonlinear Dynamics and Vibration

Message from the Guest Editors

This Special Issue of *Applied Sciences* aims to present the latest advances and research findings in nonlinear dynamics and vibration. It combines theoretical, experimental, and computational contributions that enhance our understanding of complex dynamic behavior in various engineering applications. Research articles, review papers, and case studies that address fundamental aspects and practical applications of nonlinear dynamics and vibration are welcome. Contributions that offer new insights on physical systems, explore innovative methodologies, and have emerging applications are particularly encouraged. Topics of interest for this Special Issue include, but are not limited to, the following:

- Tuning nonlinearities for optimal performance;
- Internal and parametric resonances;
- Self-excited oscillations;
- Energy transfer and localization phenomena;
- Bifurcation and stability phenomena;
- Reduced-order models;
- Experimental observation of nonlinear phenomena.

Guest Editors

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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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