Special Issue

Recent Advances in Nonlinear Vibration and Control

Message from the Guest Editors

Nonlinear vibration control is becoming increasingly important in many engineering applications such as rotating machinery, aircraft, bridges, satellites, robotics, micro-electro-mechanical systems, and mechatronics, etc. The main trend is toward making the structures lighter, more flexible, and offering higher levels of performance requirements. The actuators and sensor networks are integrated into these structures to mitigate unwanted vibrations, detect damage, and sometimes change the dynamical characteristics of the structure. These structures have become known as smart, intelligent, and sometimes adaptive structures. This Special Issue aims to present the recent theoretical, numerical, and experimental approaches to various engineering systems related to nonlinear vibrations and control. We invite scientists and engineers from the whole world who contribute to the development of nonlinear vibrations and control to submit their appreciated work for publication in this Special Issue of the MDPI journal *Applied Sciences*.

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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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