

Special Issue

The Applications of Nonlinear Dynamics in Materials and Structures

Message from the Guest Editor

It is well known that most physical processes and phenomena are nonlinear. Although many problems are roughly considered to be linear and this approach gives satisfactory results, there are some practical problems that require consideration of the effects of nonlinearities. Nonlinear dynamics is a science that studies the quantitative and qualitative laws of various motion states in nonlinear dynamical systems, especially the evolution behavior of motion patterns. It is a very promising tool discipline, providing a potential analytical engine for the era of big data. This Special Issue focuses on contemporary applications, innovative theory, and the challenges of nonlinear dynamics in materials and structures.

Guest Editor

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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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