



Nonlinear Dynamics and Vibration Control of Structures

Guest Editors:

Dr. Hulun Guo

Department of Mechanics,
Tianjin University, Tianjin 300072,
China

Dr. Lei Hou

School of Astronautics, Harbin
Institute of Technology, Harbin
150001, China

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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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Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
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Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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