

Special Issue

Technical Advances in Vibration Analysis: Modeling, Simulation, and Applications, 2nd Edition

Message from the Guest Editors

This Special Issue covers a broad range of topics, such as vibration control, vibration generation and propagation, the effects of vibration, condition monitoring and vibration testing, modeling, prediction and simulation of vibration, environmental and occupational vibration, vibration attenuators, as well as biomechanics. The Special Issue also addresses analytical, numerical, and experimental techniques for evaluating linear and non-linear vibration problems (including strong nonlinearity). It is primarily intended for academics, researchers, and professionals, as well as Ph.D. students in various fields of the vibration of mechanical structures such as investigations on stability analysis, chaotic manifestations of vibrating systems, computations of nonlinear amplitude and phase angle.

Guest Editors

Prof. Dr. Mihai Bugaru

Department of Mechanics, National University of Science & Technology
Politehnica of Bucharest, 060042 Bucharest, Romania

Dr. Ovidiu Vasile

Department of Mechanics, National University of Science & Technology
Politehnica of Bucharest, 060042 Bucharest, Romania

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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