



State-of-the-Art on Vibroacoustics and Sound Radiation Control of Structures

Guest Editor:

Prof. Dr. Tai-Yan Kam

Mechanical Engineering
Department, National Yang Ming
Chiao Tung University, Hsin Chu
300, Taiwan

Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

Structures, when subjected to time-varying loads, will vibrate and radiate sounds. The characteristics of the sounds radiated from the structure may depend on the vibration behavior of the structure, which in turn depends on different factors, such as the properties of the structural materials, the types of loads, the location of the load application, the structural configuration, the boundary conditions, etc. It is important to have accurate theoretical methods to predict the actual vibroacoustic behavior of the structure, so that the techniques for controlling the vibration and sound radiation of the structure can be properly implemented.

Keywords:

- Structural vibration
- Vibroacoustics
- Passive control of sound and vibration
- Active control of sound and vibration
- Mechanical engineering sources of noise and vibration

Prof. Dr. Tai-Yan Kam

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)