Special Issue

Advances in Vibroacoustics and Aeroacustics of Marine, Aerospace and Automotive Systems

Message from the Guest Editors

The purpose of this Special Issue is to highlight the latest enhancements in the abatement of noise and vibrations of marine, aerospace and automotive systems. The reduction of acoustic emissions and the improvement of cabin interior comfort are on the path of all major industries of the transport system, having a direct impact on customer satisfaction and, consequently, on the commercial success of new products. The main topics covered in this Special Issue deal with computational, instrumentation and data analysis of noise and vibrations of ships, fixed-wing aircrafts, rotating wing aircrafts, space launchers and automotive vehicles. This Special Issue covers, but is not limited to, aerodynamically generated noise, engine noise, sound absorption, cabin acoustic treatments, duct acoustics, active noise control, porous materials and vibroacoustic properties of structures and materials. This Special Issue provides an opportunity for scientists and engineers to publish their studies of current interest, both in the computational and experimental fields of research, and also articles to introduce new approaches and methodologies.

Guest Editors

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Dr. Luigi Federico

Dr. Venanzio Giannella

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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.

Editor-in-Chief

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