# Special Issue

# Practical Applications of Active Noise and Vibration Control

### Message from the Guest Editor

With the increasing use of machinery systems in living environments, acoustic noise has become a primary source of discomfort for residents. Efficient methodology to implement quiescent space for individuals is a crucial element for personal wellness. For transportation systems, it is important to secure quiet space with minimal mass loading. Active noise and vibration controls are proposed as an effective methodology for minimizing discomfort. Successive implementation depends on the hardware and algorithm used for active control. Since active noise control utilizes electronic systems for modification of dynamic characteristics, successful implementation requires investigations from many different fields, including electronic embedded systems, digital signal processing, acoustics, vibration analysis, modal analysis, electronics, and material science. This Special Issue is intended to collect recent advancements in the relevant fields. Keywords: active noise and vibration control; adaptive control; semi-active control; feedback and feedforward control; transfer path analysis; multi-channer active control; acoustics and vibration analysis of enclosed systems


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### Deadline for manuscript submissions

closed (20 May 2023)


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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.

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