

# Special Issue

## Noise Barriers

### Message from the Guest Editors

It is our great pleasure to invite you to contribute to this special issue by presenting your results on acoustic noise barriers. The main concern is to protect humans from excessive noise, which may impair the hearing system or may impede concentration and rest. The papers can focus on structural noise control, for instance vibrating panels or full device casings designed to improve passive isolation. Energy of the panels due to acoustic excitation can also be dissipated in a semi-active circuit or they can be forced to vibrate in order to reduce the transmitted noise. Works on the generation of virtual barriers like acoustic curtains are welcome. Techniques for improving the acoustic climate in enclosures are also appreciated. The papers can present modeling, optimization, control, measurements, analysis, and applications. Keywords:

- active structural acoustic control
- passive control
- semi-active and active control
- virtual barriers
- device noise control

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2020)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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