



New Frontiers of Acoustic Modeling and Optimization

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Message from the Guest Editors

The topic of acoustics is assuming an increasingly prominent role in the industrial field. Following more and more stringent requirements in terms of low-emissivity or weight saving, the transport industry in particular has to deal with noise and vibration problems at the preliminary design stage. From such a perspective, the development of effective tools for prediction is a challenge that researchers must face. As a consequence, obtaining accurate information on system responses in the design phase may considerably reduce both computational and experimental efforts. On the wave of the previous Special Issue, the invitation of the editors deals with collecting novel contributions from members of the technical-scientific community who are involved in the advancement of predictive methods and in the study of solutions aimed at optimizing noise. Therefore, we encourage the submission of papers or reports on the development of forecasting tools, innovative materials, passive and active control, and smart systems that can have a significant impact on industrial growth.





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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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