



New Challenges in Building Acoustics

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Message from the Guest Editors

Modern building acoustics have advanced over the past 150 years since the field was founded by W. C. Sabine. It developed mainly according to modern science and technology based on the Third Industrial Revolution. However, we are currently facing the Fourth Industrial Revolution in smart cities, with a fusion of artificial intelligence, robotics, the Internet of Things, genetic engineering and more. Furthermore, rapid urbanization with dense populations and high-speed transportation increases complex noise sources both indoors and outdoors of buildings. On the other hand, the demand for better acoustic built environments is also increasing, along with the improved quality of life.

In this context, new challenges including the convergence of cutting-edge technologies and multi-disciplinary research are required to solve difficult problems and to promote acoustical comfort in building acoustics. This Special Issue focuses on all innovative aspects of building acoustics.





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Message from the Editor-in-Chief

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