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Advances in Acoustic Metamaterials

Guest Editors:

Dr. Marco Miniaci

Institut d'électronique de
microélectronique et de
nanotechnologie (IEMN, UMR
8520) CNRS, France

Dr. Federico Bosia

Department of Physics, University
of Torino, Torino, Italy

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Message from the Guest Editors

Dear Colleagues,

Since their introduction, phononic crystals and elastic metamaterials have been exploited for elastic wave manipulation (through frequency band-gaps, negative refraction, topological protection, non-reciprocal propagation, etc). In parallel, recent advances in material science and technology, including additive manufacturing, have allowed the practical realization of a huge variety of novel complex structures at various different length scales, leading to additional application opportunities in the field of wave control, focusing and collimation, noise reduction, and even earthquake protection.

This issue is intended to provide a platform for researchers working in the field to disseminate their ideas on the design and characterization of new configurations, highlighting novel dynamic phenomena and exploring additional promising applications. It should also stimulate a cross-fertilization between researchers of the field with other readers of the journal, providing the opportunity to find new potential research directions.





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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