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Advances in Acoustic Metamaterials

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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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Message from the Editor-in-Chief

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