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Band Gaps in Phononic Crystals and Metamaterials in Static and Moving Medium

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Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editors

Dear Colleagues,

Phononic crystals, aperiodic structures or metamaterials allow for the development of devices for wave control, environmental noise reduction, focusing and collimation, and even earthquake protection. Contributions should focus on new theoretical or experimental achievements in the field of structures allowing the control of mechanical waves. Importantly, the influence of the environment in which phononic structures function should not be ignored—for example, acoustic waves propagating in the air or in fluids are influenced by the speed of the medium or turbulent disturbances occurring during interactions with obstacles, which has a significant impact on the occurrence and frequency range of the phononic band gaps.

It is our pleasure to invite you to submit a manuscript for this Special Issue related to experimental and numerical studies of wave phenomena in phononic structures. Full papers, short communications, and reviews are all welcome.

Dr. Sebastian Garus
Dr. Wojciech Sochacki
Guest Editors

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Message from the Editor-in-Chief

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