



*photonics*



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## Phononic Crystals: Science and Applications

Guest Editor:

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### **Message from the Guest Editor**

This Special Issue entitled as “Phononic Crystals” focuses on the dynamics of materials and structures, especially phononic crystals and locally resonant phononic metamaterials, at both the continuum and atomistic scales. These studies range from vibration isolation structures in lattice dynamics, sensors, and energy harvesting structures, as well as phononic crystals and metamaterials. The introduced works for this Special Issue must be concerned with physical phenomena governing these systems, relevant theoretical and computational treatments, and the analysis of the effects of dispersion, resonance, dissipation, and nonlinearity as well as experimental fabrication of these structures.



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**Special** Issue