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Analytical and Numerical Modelling of Mechanical Metamaterials for Novel Engineering Design

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

This Special Issue will focus primarily on the design and/or study of mechanical metamaterials using analytical and numerical methods, including but not limited to finite element modelling, molecular dynamics, and optimization techniques amongst others. Articles on the design of systems showing auxetic (negative Poisson's ratio), negative stiffness, negative thermal expansion, and negative compressibility ranging from the macroscale to the nanoscale are welcome, as well as the design of hierarchical structures and systems with improved properties obtained through structural modifications. Submissions on the implementation of metamaterials in applications are also highly encouraged.

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Message from the Editor-in-Chief

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