Special Issue

Homogenization Methods in Materials and Structures

Message from the Guest Editors

This Special Issue is dedicated to academic researchers who want to propose studies on the homogenization of complex materials and structures, covering the whole process, from the idealization and design, to the real application. The subject has received great attention in the last few years, involving researchers whose expertise exploits different scientific areas, including continuum mechanics, structural mechanics, acoustics, materials design, and 3D printing techniques. Some of the topics considered for this Special Issue include, but are not limited to, the following:

- The formulation of homogenous models of micro-structured materials and periodic structures;
- The static, dynamic, and stability behavior of homogenous models of lattice members;
- Analytical and numerical methods in materials and structures design;
- Wave propagation in periodic media;
- The experimental validation of the homogenization.

Guest Editors

Prof. Angelo Luongo

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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