



Application of Metamaterials in Aerospace Engineering

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Message from the Guest Editors

There is no doubt that metamaterials have been one of the hottest research areas in the past two decades. The emergence of metamaterials has provided new ideas for the regulation of energy. With the development of research, the study of metamaterials has gradually evolved from mechanistic investigation to engineering applications. In fact, metamaterials have already been applied to the control of low-frequency vibration noise, electromagnetic wave absorption, invisible materials, design of super-resolution lenses and other fields. This Special Issue aims to focus on the fundamental theory of metamaterials and their applications especially in the field of aerospace engineering, with topics including, but not limited to, the following themes:

- Electromagnetic metamaterial
- Acoustic metamaterials
- Mechanical metamaterials
- Phononic crystals
- Metasurface
- Rotor dynamics
- Noise and Vibration
- Active Control





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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.

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