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Vibration Control Using Electromagnetic Actuators

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Message from the Guest Editors

Dear Colleagues,

The electromagnetic actuator has the advantages of good controllability, a wide adaptive frequency band, sensitive response, large control force, small volume and weight, and easily controllable complex vibration and noise. It is widely used in power equipment such as energy, ships, aerospace and so on. The recent research literature has provided a huge amount of contributions related to the basic characterization of such devices, whilst the current ongoing research is devoted to various applications of the electromagnetic actuator, addressing specific needs and issues.

The aim of the present Special Issue is to collect original papers concerned with the application of various types of electromagnetic actuators to vibration control, without any limitation on the specific application field. Theoretical, numerical and experimental contributions are welcome. Modern design, modeling, simulation and control concerned with electromagnetic actuators are particularly encouraged, for both numerical and experimental data.

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