



Active, Semi-active and Passive Vibration Control

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

For several decades, vibration control has been a noteworthy research topic. Our daily lives can be disturbed by unwanted vibrations from the ground, marine, and aerial vehicles in which we ride or the machines and systems that we use. Vibration control can be generally divided into three categories: passive, semi-active, and active vibration control. This Special Issue aims to highlight new advances, as well as pioneering designs and applications in all research areas associated with vibration control arising from steady state or transient excitations. Submissions are encouraged but not limited to the following topics:

- Passive, semi-active, and active vibration isolation algorithms and applications;
- Tuned mass dampers or dynamic vibration absorbers;
- Shock and impact mitigation control;
- Novel structure/mechanism designs for vibration control;
- Engine mounting systems, and seat and vehicle suspension systems;
- Negative-stiffness vibration isolators;
- Bio-inspired vibration control;
- Multifunctional materials for vibration control;
- 3D-printed design for vibration control;
- Vibration-based energy harvesting devices.

