



## Noise and Vibration Control in Dynamic Systems

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Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editors

Noise and vibration are common problems in dynamic systems. The control strategy of noise and vibration varies by application, regulation and feasibility, and has been a prevalent topic for researchers and engineers. Vibration can be harmful to mechanical structures, reducing their efficiency and fatigue life, and degrading their safety and reliability. Vibration-induced noise can cause discomfort and annoyance, and decrease the perceived value of products. Therefore, it is necessary to develop new methods and techniques to control the noise and vibration through simulation modeling and testing analysis. This Special Issue aims to present recent advances and technologies in the field of vibration and noise control in dynamic systems, including machine tools, robots, rotary machines, wind turbines, HVAC systems, vehicles and aircrafts. Potential topics include but are not limited to:

- Active vibration/noise control;
- Aerodynamic noise and aircraft interior noise;
- Dynamic analysis and vibration control of mechanical structures;
- Shock absorber and vibration isolation;
- Sound absorbing materials and structures;
- Vehicle NVH (noise, vibration and harshness)





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## Message from the Editor-in-Chief

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