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Intelligent Material Structures for Vibration Suppression, Energy Harvesting, Structural Health Monitoring

Guest Editors:

Dr. Guobiao Hu

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to provide a platform for leading researchers and experts from around the world to share their latest findings and insights on the developments in intelligent material structures and systems for vibration suppression, energy harvesting, and Structural Health Monitoring. The articles in this issue will cover a wide range of topics, including, but not limited to:

- The design and fabrication of intelligent materials for vibration suppression, energy harvesting, and Structural Health Monitoring applications.
- The optimization of intelligent material systems for specific applications, such as aerospace, automotive, and civil engineering.
- The development of refined theoretical modelling methods for intelligent material structures and systems.
- The design of shunt circuits to realize active tuning of electromechanical properties of intelligent material systems.
- The study of the impacts of ambient environmental conditions on the performance of intelligent material systems.
- The development of control algorithms for intelligent material systems to improve energy harvesting, vibration suppression, and Structural Health Monitoring performance.

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Message from the Editor-in-Chief

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