



## **Smart Devices and Systems for Vibration Sensing and Energy Harvesting**

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### **Message from the Guest Editors**

The Internet of things (IoT) poses new challenges for sensor devices and their power systems. The deployment of large numbers of sensor nodes requires the sensor to work for a sufficient period of time without battery replacement. Micro/nano energy harvesting systems as self-sustained power sources are capable of capturing and transforming unused ambient energy into electrical energy. They have been regarded as an alternative to conventional electrochemical batteries, which will pave the way for actualizing energy-autonomous devices and intelligent monitoring activities. By integrating the micro/nano power sources with IoT, it would be a revolutionary technology in the next decades. In addition, as most of the vibration energy harvester devices are sensitive to vibration, they are inherently considered excellent candidates for vibration sensing.

The purpose of this Special Issue is to gather the latest developments in smart devices and systems for vibration sensing and energy harvesting applications.





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