Special Issue

Kinetic Energy Harvesting at Low Frequency

Message from the Guest Editors

Vibration energy harvesters have recently attracted substantial attention given their potential application in self-powered systems. Among various vibration sources, kinetic energy at low frequency abundantly exists in ambient environment generated by human, animal, and natural activities. However, it is a big challenge to harvest energy from kinetic energy at low frequency, especially for human motion and ocean wave, because the harvested power is generally proportional to the square of frequency. Under this circumstance, many researchers have paid their efforts on this area; however, there are still some scarcities in the device's size, structure complexity, and energy conversion efficiency, which should be further improved. Accordingly, this Special Issue aims to showcase research papers, short communications, and review articles outlining recent progress and innovative approaches for kinetic energy harvesters at low frequency. The applications of energy harvester at low frequency, such as the self-powered sensing system, are also welcome and strongly encouraged. We look forward to receiving your contributions!

Guest Editors

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