

Special Issue

Design and Application of Kinetic Energy Harvesting and Conversion Technology

Message from the Guest Editor

The recovery of wasted energy present in the ambient condition is an effective alternative technology for supplying power to wireless electronics paving the way for enabling a huge number of applications. Among various renewable energy present in the environment, kinetic energy in the form of mechanical vibrations is deemed to be the most attractive in the low-power electronic domain for its power density, versatility, and abundance. This type of energy source is located in buildings, vibrating machinery, transportation, ocean waves, and human beings, and it can be converted to power mobile devices. Self-powered technology based on environmental kinetic energy harvesting has become a research hotspot in academia and industry. This Special Issue aims to report state-of-the-art developments in the field of the design and application of kinetic energy harvesting and conversion technology. Original research and review articles related to the following topics are welcomed. Please note that this list is by no means exhaustive.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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