Special Issue

Nonlinear Dynamics of Energy Harvesting Systems

Message from the Guest Editor

Energy harvesting from mechanical vibrations is a very promising concept, and the relevant technology is attracting significant interest due to easy access to vibration sources. As we know, the nonlinear effects play an important role in energy harvesting systems. Nonlinear energy harvesting systems are developed and improved to obtain better performances over a frequency broad range. This Special Issue will provide the modelling and analysis of linear and nonlinear energy harvesting vibration control systems and their benefits. Moreover, this Special Issue will provide a platform for researchers to exchange ideas regarding the recent developments in energy harvesting systems and vibration control. Topics welcome in this Special Issue include but are not limited to the following:

- Theoretical and numerical solutions of energy harvesting systems;
- Nonlinear effects in energy harvesting systems;
- Experimental energy harvesting systems;
- Vibration control and vibration mitigation by energy harvesting;
- Energy storage.

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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