



energies



an Open Access Journal by MDPI

Recent Advances in Piezoelectric Energy Harvesters and Their Applications

Guest Editors:

Dr. Yooseob Song

The University of Texas Rio Grande Valley, Edinburg Campus,
1201 W University Dr, Edinburg,
TX 78539, USA

Dr. Hyunjun Jung

Pacific Northwest National
Laboratory, PO Box 999,
Richland, WA 99352, USA

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

This Special Issue is proposed to encourage further research of piezoelectric energy harvesting and its applications. The scope of this Special Issue is the mechanical design of piezoelectric energy harvesting, considering real applications, economic analysis for commercial energy harvesting, low-power management circuits and systems, battery management circuits and systems, analysis and study of available energy for energy harvesting, emerging technology of piezoelectric material, and additive manufacturing for piezoelectric energy harvesting. Original contributions including the state of the art, benefits of emerging technologies, experimental studies, or which investigate novel schemes and applications are welcome.

Topics relevant to the Special Issue include but are not limited to:

- Novel piezoelectric energy harvesting systems;
- Low power management circuits and systems;
- Economic analysis for commercial energy harvesting;
- Additive manufacturing for piezoelectric energy harvesting;
- Energy management algorithm for sustainable monitoring systems;
- Piezoelectric energy harvesting for sustainable and resilient infrastructures;



mdpi.com/si/86131

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)