Special Issue

Recent Advances in Piezoelectric Energy Harvesters and Their Applications

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 algorism for sustainable monitoring systems;
- Piezoelectric energy harvesting for sustainable and resilient infrastructures;

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Deadline for manuscript submissions

closed (30 September 2022)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/86131

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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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