

Special Issue

Intelligent Energy Harvesting Technologies and Symmetry: Recent Advances and Applications

Message from the Guest Editor

Aim and scope: This Special Issue aims to present state-of-the-art recent trends on the design and development of artificial-intelligence-based symmetric absorbers and energy harvesting structures from fundamental applied research to system-level integration.

Cutting-edge research: The proposed Special Issue aims to present a cutting-edge research topic focusing on the demands for the development of intelligent energy harvesting solutions. The focus on this issue will be on electromagnetic-based absorbers and harvesters. Although more emphasis will be on electromagnetic radio frequency, microwave and terahertz, this Special Issue can cover other applications with the goal of developing practical intelligent energy harvesting solutions. We also welcome review articles summarizing the current state of a particular topic in the field of energy harvesting. Topics of interest include, but are not limited to:

- Analysis and modeling of energy harvesters;
- Artificial intelligence in energy harvesting;
- Wearable energy harvesting;
- RF/microwave energy harvesting;
- Power management for energy harvesting systems;
- Applications and design innovations of energy harvesting systems.

Guest Editor

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closed (28 February 2025)



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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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