

Special Issue

Energy Harvesting State of the Art and Challenges II

Message from the Guest Editors

Energy harvesting is a process that captures small amounts of energy that would otherwise be lost as heat, light, sound, vibration or movement. It has been an important research topic in the past 20 years and is seen as a solution to the challenges that Internet of Things (IoT) devices (e.g., sensors, communications) face in power supply, which render many IoT applications impractical due to battery size, battery replacement, and recharging. Research on energy-harvesting technologies to meet the power demand of IoT devices is driven by the growing demand for self-sustainable systems that require minimum or no maintenance, implementation of the IoT in automation, and adoption of wireless sensor networks in various applications. The aim of this issue is to provide readers with the current state-of-the-art developments in energy harvesting and their challenges, inspiring further research in advancing this exciting and important research topic.

Guest Editors

Dr. Jerry Luo

Lecturer in Energy Storage and Harvesting, Centre for Renewable Energy Systems, Cranfield University, Cranfield MK43 0AL, UK

Prof. Dr. Patrick Luk

School of Engineering, Cranfield University, Cranfield, UK

Deadline for manuscript submissions

closed (30 June 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/168860

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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)