Special Issue

Energy Harvesting State of the Art and Challenges

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. It is our pleasure to invite you to submit manuscripts to this Special Issue covering all areas of energy harvesting research, including materials, structures, device design, power management, applications, etc. Review papers and research papers are both welcome.

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 (31 March 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/104113

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)

MDPI