



Nanogenerators for Energy Harvesting and Self-Powered Sensing

Guest Editor:

Dr. Jianjun Luo

1. Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, Beijing 101400, China

2. School of Nanoscience and Engineering, University of Chinese Academy of Sciences, Beijing 100049, China

Deadline for manuscript submissions:

closed (15 July 2023)

Message from the Guest Editor

Nanogenerators, as an effective mechanical energy harvesting technology, provide a promising route to sustainable energy. Invented by Prof. Zhong Lin Wang in 2006 and 2012, the piezoelectric nanogenerator (PENG) and triboelectric nanogenerator (TENG) have shown their powerful ability for converting mechanical energy into electricity. Nanogenerators have found major applications in the fields of micro/nano power sources, active self-powered sensors, large-scale blue energy, and direct high-voltage power sources. This Special Issue on “Nanogenerators for Energy Harvesting and Self-powered Sensing” aims to cover recent achievements in the fields of piezoelectric nanogenerators, triboelectric nanogenerators, self-powered sensors, and self-powered systems.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)