

Special Issue

Low Power Sensing and Energy Harvesting for Self-Sustained Electronics

Message from the Guest Editors

The rapid proliferation of wireless sensor networks, wearable electronics, and the Internet of Things has created a strong imperative for low-power, self-sustained devices capable of operating continuously without frequent battery changes. This Special Issue aims to explore multidisciplinary research that combines lightweight energy harvesting technologies, such as triboelectric nanogenerators (TENGs), piezoelectric and hybrid harvesters, with wireless sensor networks, intelligent systems, and wearable electronics. It will cover, but is not limited to, the design, development, characterization and application of low-power sensing devices, flexible and textile-based energy harvesters, and self-sustained wireless or wearable systems. We welcome submissions of original research articles and review papers from fields such as electronics, materials science, energy harvesting, sensors technology, and system integration.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Journal of Low Power Electronics and Applications is an open access journal which provides an advanced forum for rapid dissemination of innovative research and important results in all aspects of low power electronics and design.

It publishes reviews, regular research papers and short communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. The full experimental details must be provided so that the results can be reproduced.

Editor-in-Chief

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