Journal of
Low Power Electronics and Applications

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Energy-Harvesting and Self-Powered Devices

Guest Editors:

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Deadline for manuscript submissions:
closed (15 December 2022)

Message from the Guest Editors

The topics of this Special Issue include, but are not limited to:

- High-efficiency energy harvesting circuits;
- Context-aware power management circuits for energy-neutral devices;
- Ultra-low power front-end electronics;
- Ultra-low power communication interfaces;
- Smart wake-up and self-startup circuits for self-powered devices;
- Smart energy storage circuits or systems;
- Advancements in energy-aware design techniques and energy harvesting solutions;
- Real applications of self-powered devices;
- Ultra-low power hardware architectures for energy-constrained devices;
- Novel and efficient maximum point architectures for energy harvesting devices, including Microcontroler-based power management circuits;
- New extraction techniques for vibration energy harvesting, especially non-linear ones;
- Design methodologies of power management circuits;
- Simulation tools and modelling of power management circuits.

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Message from the Editor-in-Chief

Journal of Low Power Electronics and Applications (ISSN 2079-9268) is an open access journal which provides an advanced forum for the studies of electronics for low power applications. A special emphasize is made on ultralow power bio-medical applications. 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. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

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