Special Issue

Energy Harvesting and Storage Applications

Message from the Guest Editor

Development of energy harvesting devices should be carefully planned considering their target application. Powering wireless sensor nodes is one of the most attractive applications of energy harvesting technology for various monitoring purposes for large-scale structures and machines such as bridges, railroad, wind turbines, and naval platforms, as well as biosystems, such as the human body and/or animals. An energy harvester needs to be designed to meet the power requirements of the application (e.g. sensor), and integrated with a power management circuit for maximum power conversion and seamless sensor operation. Original contributions including the state-of-the-art, point out the benefits of emerging technologies, experimental studies, or investigate the novel schemes and applications are welcome to submit. The topics of interest include, but are not limited to the following:

- Integration of wireless sensor nodes with energy harvesters
- Power management circuit and power storage
- Battery science for minimum leakage
- Novel energy harvesting concept to meet the power requirements of a specific application(s)

Guest Editor

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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.

Editor-in-Chief

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