Special Issue

State-of-the-Art of Techniques, Devices and Electronic Circuits for Energy Harvesting

Message from the Guest Editors

This Special Issue is intended to provide an updated overview of the current status of the research on energy harvesting, especially oriented to sensors and microsystems, ranging from conversion techniques and devices at the macro- or microscale, to electronic circuits for energy management, sensor signal conditioning and transmission. The topics include, but are not limited to, the following:

- Theory, design, modeling, fabrication, experimental characterization and applications of energy harvesting systems
- Mechanical, thermal, radio-frequency, solar energy harvesting
- Piezoelectric, electrostatic, electromagnetic, triboelectric, thermoelectric, pyroelectric, and other, conversion effects in energy harvesting
- MEMS and microscale energy harvesters
- Electronic circuits for energy management and storage
- Autonomous sensors and battery-less sensor nodes
- Zero-power sensing

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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