Special Issue

Advance in Piezoelectric Energy Harvesting System

Message from the Guest Editor

A piezoelectric energy harvester is a system able to guarantee a simple and instantaneous approach to convert structural and environmental vibrations into a voltage output without the need to use complex geometries and many additional electrical components. Hence, these harvesters are commonly employed to supply integrated, remote and non-grid connected electrical devices. In the future, they could also become an innovative solution for renovating wireless, wearable and portable electronic devices into self-powered systems. The aim of this Special Issue is to collect new methods and applications interested in improving and developing piezoelectric energy harvesters. Topics of interest include, but are not limited to: piezoelectric energy harvester; piezoceramic patch; piezoceramic films; cantiler-type harvester; structural vibration; environmental vibration; alternative motion; mechanical vibration; mechanical resonance; energy conversion efficiency; impedence matching; impedence traking; AC-DC power converter; DC-DC power converter.
https://www.mdpi.com/journal/applsci/special_issues/Piezoelectric_Energy_Harvesting_System

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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.

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