

An Adaptive Piezoelectric Energy Harvesting System for Wireless Supply



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Reviews

Very good e-book and beneficial one. I am quite late in start reading this one, but better then never. I am effortlessly could get a pleasure of looking at a written book.

(Alphonso Beahan)

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LAP Lambert Academic Publishing Apr 2018, 2018. Taschenbuch. Condition: Neu. Neuware - Increasing energy consumption in modern electronic systems has allowed energy harvesting materials to grow at a rapid pace. Environmental energy harvesting, in particular vibration based, have developed as a viable technique to supplement battery supplies. Piezoelectric materials allow to convert mechanical energy into electrical energy. This can be done through solar, vibrations, heat, strain, etc. This energy can also be stored for later use. It is also varying the voltage and adjust the amplitude piezoelectric harvesting components and storage devices (such as batteries, super capacitors, etc.) Can have different types of Voltage and Current characteristics. These should be matched with each other in order to meet energy requirements to maximize efficiency. An adaptive control method for DC-DC converters can be used to continuously execute the optimal power conversion theory, and maximize the power stored in a capacitor. 80 pp. Englisch.



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