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Wireless and Batteryless Accelerometry for Aircraft Structural Health Monitoring

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This paper presents the design of a self-powered impact sensor dedicated to Structural Health Monitoring for aeronautic applications. The purpose of this work is to identify and implement technological solutions that meet specific requirements for on-ground operation. A prototype featuring thermal energy harvesting, super-capacitor-based energy storage and 3D-accelerometry is demonstrated.

Ключевые слова:

Содержание.

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