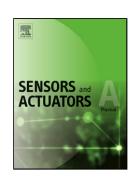
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Title: High efficiency piezoelectric energy harvester with synchronized switching interface circuit

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ACCEPTED MANUSCRIPT

High efficiency piezoelectric energy harvester with synchronized switching interface circuit

- We present a new vibration driven energy harvesting device with two piezoelectric coupled generator structures
- The transducer uses a four-point-bending principle for uniform stress distribution.
- The interface circuitry uses synchronized switching techniques and energy injection for optimizing the power transfer.
- An efficiency benefit by a factor of three, compared to standard devices can be achieved.

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