9 Energy systems for IoT/wearable applications **Poster0001**
(Please choose category from list) (if requesting poster)

POWERMEMS 2017 CONFERENCE SAMPLE ABSTRACT AND INSTRUCTIONS FOR ABSTRACT PREPARATION

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The purpose of an abstract submitted to PowerMEMS 2017 is to tell the Program Committee what new results you will present. It is important within the first few sentences to state what your primary results are. For example: "This paper reports the design, fabrication, and testing of a fully-integrated permanent-magnet turbine generator based on silicon MEMS fabrication technology." It is also important to identify how the new work differs from previous work of your own group and of other groups, especially work presented at recent and upcoming international meetings. For example: "The work builds on a fabrication process reported at PowerMEMS 2016 [1]. The energy storage design and the performance analysis have been accepted for publication elsewhere [2,3]. This paper will show a complete set of experimental results on five devices, and will also report on simulations that provide design guidelines for adapting this method to other types of energy storage devices. The method reported here differs from previous work [4] in the specific method of temperature compensation and in the geometry of the electrodes and their placement within the structure."

The abstract is limited to two pages (A4, 21 cm x 29.7 cm). The text is limited to no more than 500 words (please indicate the word count at the bottom of your abstract). Fonts should be Times New Roman 11pt with the exception of the title, which should be Times New Roman 14pt **Bold**. Figures and Tables should be collected on the second page with captions in Times New Roman 10pt *Italic*. Make sure that all figures and photos are clearly visible. If the program committee cannot clearly see and understand the role of the visual material included, the abstract likely will be viewed negatively. All drawings, photographs, and plots should be clearly labeled with appropriately sized fonts identifying the relevant components contained in the figure.

The header line with abstract category (chosen from the list on the website) and reference number, the title, authors (presenting author underlined), short affiliations, all of the text and References (in short format) must fit on the first page. Please place figures and tables on the second page. All abstracts, submitted on time, will be considered for both Oral and Poster Sessions unless specifically requested a poster presentation. This request should be on the header line as seen above. All abstracts are to be submitted in Portable Document Format (PDF) online via the PowerMEMS 2017 website. Abstracts will not be accepted via email, fax, or post. Once your abstract has been successfully uploaded, you will be sent a confirmation. The deadline to submit your abstract is **Friday, July 7, 2017**. No extensions will be made.

Word count: 443

References

[1] S. Ample, *Proc. PowerMEMS 2015,* pp. 100-103.
[2] A. B. Stract and S. Ample, Tech. Digest IEDM 2014, pp. 200-205.
[3] S. Mart and S. O. Lution, J. Microelectromech. Syst., 23 (2015), pp. 300-315.
[4] B. Etter and A. P. Proach, *The Biosensor Handbook*, 2nd ed. (Springer, 2012), pp. 400-401

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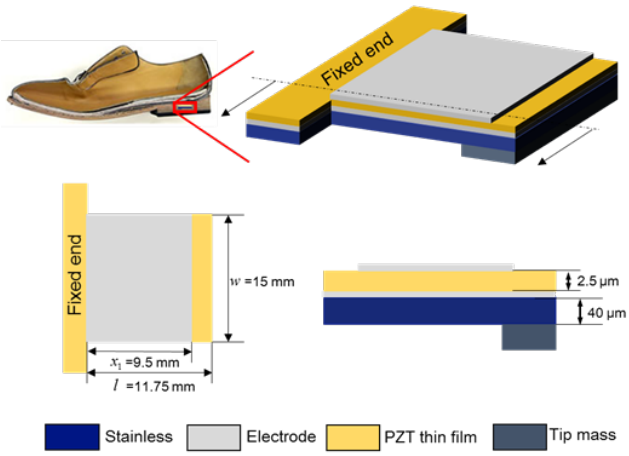

Figure 1. Example of a device schematic with each component clearly labeled.

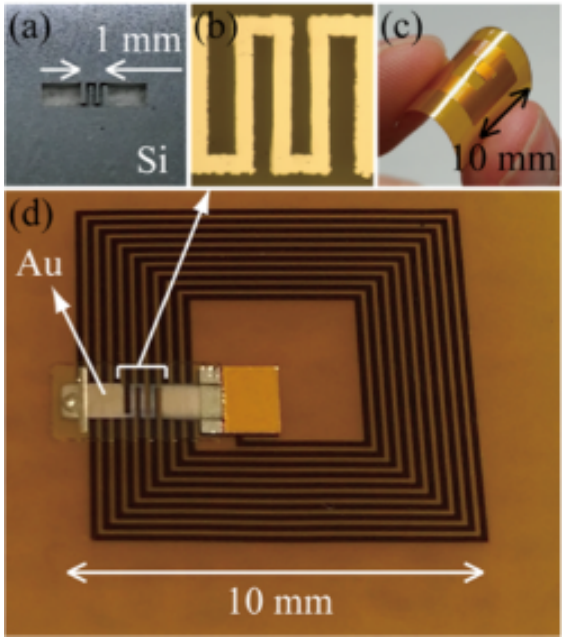

Figure 2. Example of a device photograph including scale bar and labeled components.

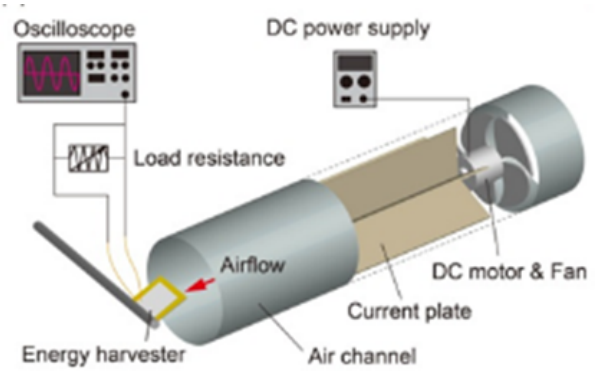

Figure 3. Example of an experimental setup with device and measurement components.

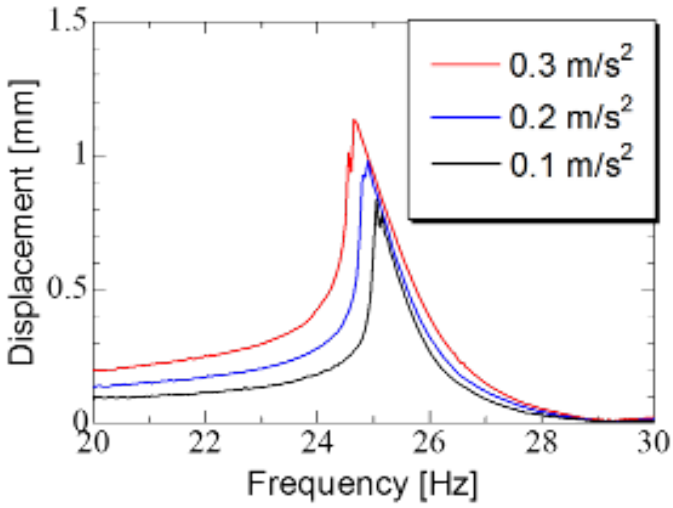

Figure 4. Example graph showing axes, values, labels, and units at an appropriate font size as well as clearly defined data points distinguishable in black and white.

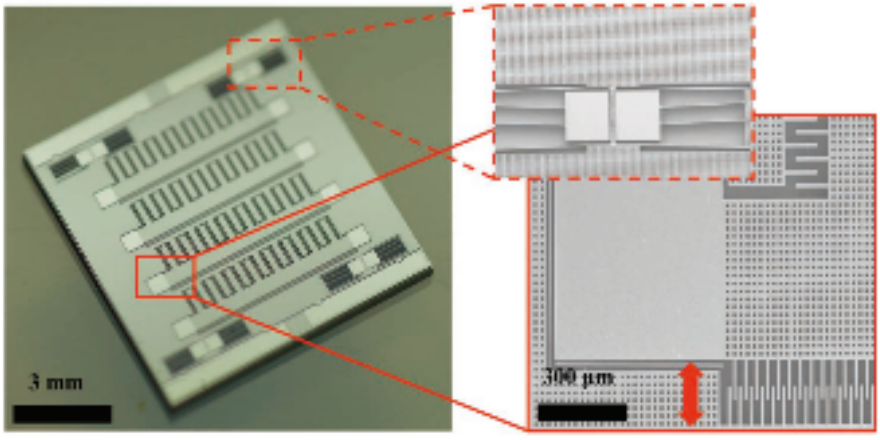

Figure 5. Example high-quality SEM photograph including scale bar.