

## 2. Actuators

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# THE 3RD CONFERENCE ON MICROFLUIDIC HANDLING SYSTEMS SAMPLE ABSTRACT AND INSTRUCTIONS FOR ABSTRACT PREPARATION

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The third international conference on Microfluidic Handling Systems (MFHS 2017) will be held 4-6 October 2017 in Enschede, the Netherlands. Authors are invited to contribute original presentations for either oral or poster/oral presentation.

Your document is expected to have a total length of two (2) pages. The first page should include title, authors, affiliations, technical description, and word count. The second page should include figures and photographs. Contact information and references may be on either page. Text on the first page should be limited to 600 words. The authors' preference for poster presentation (if applicable) as well as the appropriate abstract category from the list in the upper left hand corner.

As the Conference proceedings will be published in A4 format, set up the layout on your PC/Mac/workstation in this format (29.7 cm high, 21 cm wide). In this format, define 1.75 cm wide left and right. The top and bottom margin should be 2.5 cm.

Define a two-column layout, with a space of 0.5 cm between columns. The title/author/affiliation section should be centered above both columns. NO blank lines between authors and institutions. Adjust the two columns on the last page to equal length, as far as possible.

We recommend this format be used since the Extended Paper for the Technical Digest will have a similar layout. Please use **Times New Roman** throughout the entire abstract from title, authors, affiliation, and headers, to figure and table captions, and references. When using symbols such as  $\sqrt{\quad}$ , please use the font of Symbol only. The following formats are preferred for the main paragraph types, as illustrated also by this sample abstract:

- Title: 12 points, **bold**, with ALL CAPS;
- Authors: 12 points, *italic*;
- Affiliation: 12 points, regular;
- City: 12 points, regular;
- Text body: 10 points, regular;  
paragraphs without indent
- Figure captions: 10 points, *italic*;
- Table captions: 10 points, *italic*;
- References: 10 points, regular, numbered in [ ].

All figures and illustrations should be in high

resolution (300 dpi) and should be placed as close to their mention as possible. Each figure should be accompanied by a numbered caption, as shown in Fig. 1, placed right below the figure being described. All labels within the figure frame should be in font 10 or larger.

Each figure should be accompanied by a numbered caption, as shown in Fig. 1, placed directly below the figure being described. All labels within the figure frame should be in font 9 points or larger. Please ensure that all labels, arrows, lines, and other graphical elements superimposed on schematic drawings and micrographs print with sufficient contrast.

Tables should be preceded by a caption. Table 1 illustrates a possible design. Design details are left to the author's discretion. If a table or figure is too wide to be contained in a single column, extend it over both columns, preferable at the top or bottom of a page.

When numbering equations, enclose numbers in parentheses and place flush with right-hand margin of the column, i.e., with appropriate punctuation. For equation variables, numbers, and physical symbol, indexes etc. follow IEEE usage, cf. the Journal of Microelectromechanical Systems.

$$\alpha + \beta = \chi \quad (1)$$

Use this Journal for referencing style and formats for referencing as shown in this sample manuscript as illustrated for contributions to conference proceedings [1], journals [2], and books [3].

**Word Count: 564**



Figure 1: Reflections on liquid/gas interface, with ceramic body.

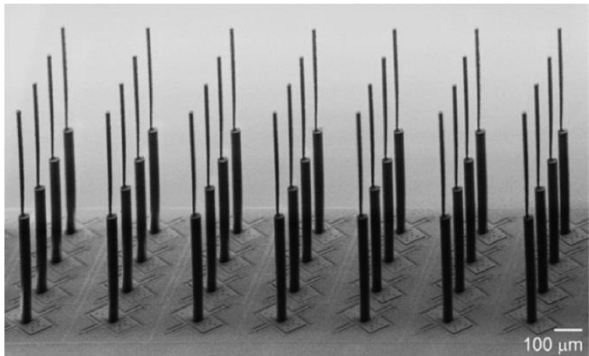


Figure 2. Scanning electron microscopy image of SU-8 hair structures.

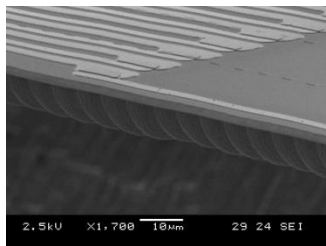


Figure 3. Scanning electron microscopy image of something inside the scanning electron microscope.

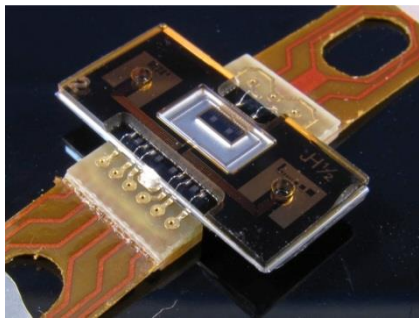


Figure 4. Device mounted on another device using a bonding technique.

Table 1. Sample of a Table Format

Table Head	Table Column Head			
	Table Subhead	Column	Subhead	Subhead
Copy	More table copy			

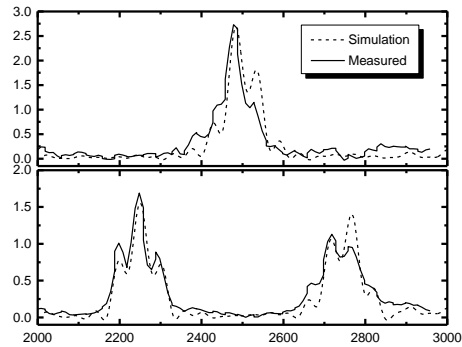


Figure 6. Spectral content of diffracted light from a programmed grating for single (upper) and double (lower) band pass filters. The dashed lines are the simulated spectra while the solid lines are the measured spectra [4].

## REFERENCES

[1] K. Aratani, P. French, P. Sarro, R. Wolffenbuttel, S. Middelhoek, "Surface Micromachined Tuneable Interferometer Array", *Digest Tech. Papers, Transducers'93 Conference, Yokohoma, Japan, June 7-10, 1993*, pp. 678-681.

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[3] S. Timoshenko, D. Young, W. Weaver, "Vibration Problems in Engineering", 4<sup>th</sup> edition, John Wiley and Sons, 1974.

[4] Y.Z. Wang, Z.Q. Li, J. Luo, "Transducers 2011 Conference Sample Abstract and Instructions for Abstract Preparation", *Transducers '11*, 2011