2. Actuators
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1ST INTERNATIONAL CONFERENCE ON MICROFLUIDIC HANDLING SYSTEMS SAMPLE ABSTRACT AND INSTRUCTIONS FOR ABSTRACT PREPARATION

J.C. Lötters[1,2,3] and G. Urban[4]

[1] The Technical Manuscript Design Group, City, Country

[2] University of Twente, Transducers Science and Technology, Enschede, The Netherlands

[3] Bronkhorst High-Tech BV, Ruurlo, The Netherlands

[4] University of Freiburg, Freiburg Institute for Advanced Studies, Freiburg, Germany

The first international conference on Microfluidic Handling Systems (MFHS 2012) will be held 10-12 October 2012 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. All paragraphs are to be indented 0.6 cm.

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 $\sqrt{}$, 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 span one column and 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.

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

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 obstacles
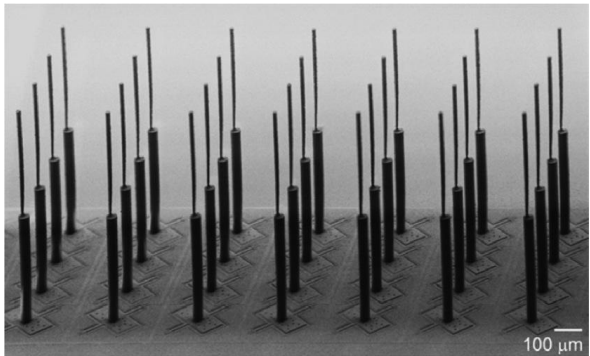
Figure 2. View of xxxxxxxxxxxxx
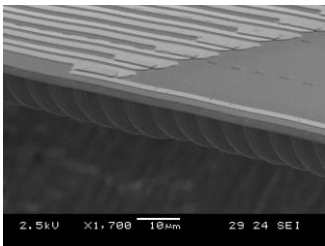
Figure 3. View of beam structure in xxxxxxxxx
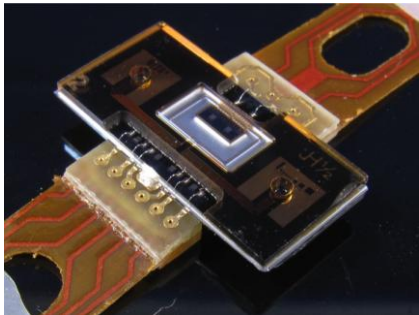
Figure 4. Device for xxxxxxxxx

Table 1. Sample of a Table Format

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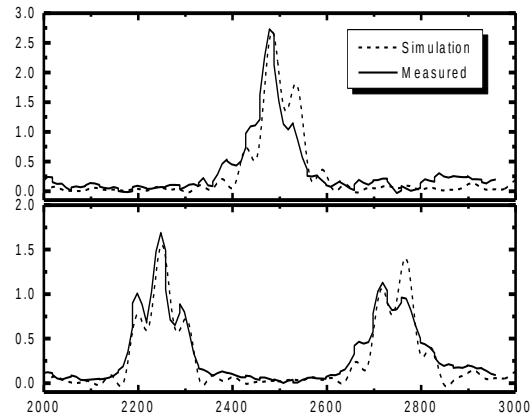
Figure 6. Spectral content of diffracted light from a programmed grating for single (upper) and double (lower) band pass filters. The dashed lines are the simulated spectra while the solid lines are the measured spectra [4].

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