

SAMPLE PAPER - MANUSCRIPT PREPARATION

GUIDELINES FOR TRANSDUCERS 2011

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ABSTRACT

The paper should start with a brief abstract of approximately 100 words summarizing the main goals, developments, and achievements of the work. Consider that the abstract may be included in abstract search databases. The abstract should be preceded by the above title.

KEYWORDS

Selected keywords relevant to the subject

INTRODUCTION

Paper Length

Your paper is expected to have a total length of four (4) pages. Longer papers will be printed only if accompanied by a mandatory per page over-length charge of RMB1700 (\$250) per page. The absolute length with payment of the over-length charge is six (6) pages. *Note that this sample abstract is a representative of the expected paper length.*

The manuscript that you prepare will be printed as it is received. Please make sure that you do not have double images and that all tables and chart lines are heavy and distinguishable. We are requesting gray scale photos and images only. The Technical Digest is printed in black and white. Please create all images, pictures, and charts using gray scale. If for some reason you cannot comply with this request, please keep in mind that we cannot guarantee that your images will be sharp/visible once printed.

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As the Conference proceedings will be published in 8.27" x 11.7" format, set up the layout on your PC/Mac/workstation in this format (11.7" high, 8.27" wide). In this format, define .5" (1.27 cm) wide left and right. The top margin should be .6" (1.52 cm). The bottom margin should be .75" (1.9 cm). For unit conversion: 1 inch = 2.54 cm.

Define a two-column layout, with a space of 0.25" (0.635 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 .2".

Text Formatting

Please use Times New Roman throughout the entire manuscript, from title, authors, affiliation, headers, and sub-header, to figure and table captions, and references. To achieve a unified look across the proceedings, the following formats should be used as illustrated also by this sample manuscript:

- **TITLE:** **12 POINTS, BOLD, ALL CAPITALS;**
12 points, italic;
12 points, regular;
- **AUTHORS:** **12 POINTS, BOLD, ALL CAPITALS, WITHOUT NUMBERING;**
- **ABSTRACT HEADINGS:** **12 POINTS, BOLD, ALL CAPITALS, NUMBERED;**
- **SECTION HEADINGS:** **11 points, bold, without numbering;**
11 points, regular; all paragraphs indented .2";
- **Sub-Section Headings:** *10 points, italic;*
10 points, italic;
11 points, regular, numbered.
- **Text body:**
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- **References:**

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TEXT

TEXT

see continuation of instruction on page four

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FIGURE AND TABLE FORMATTING

All figures and illustrations should be in black and white or grey-scale and should be placed as close to their mention as possible. Digital images, e.g., schematic drawings, photos, micrographs, etc., should have a resolution of at least 300 dpi. 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. Please ensure that all labels, arrows, lines, and other graphical elements superimposed on schematic drawings and micrographs print with sufficient contrast. Figure 2 shows a photograph with unfavorable resolution (72 dpi) and low contrast.



Figure 1: The caption should be placed after the figure.

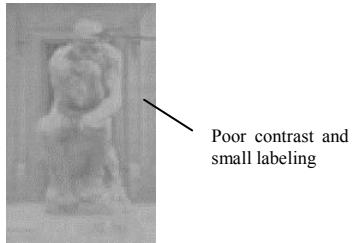


Figure 2: Reflection on life, originally shaped by Rodin: rendering with low resolution (75 dpi), unfavorable size, and other deficiencies.

Tables should span one column and should be preceded by a caption. Table 1 illustrates a possible design. Design details are left to the authors.

Table 1: Number N of abstracts submitted and number M of submitting countries.

| Region | N | M |
|---------------|------------|-----------|
| Americas | 212 | 3 |
| Asia/Oceania | 250 | 9 |
| Europe/Africa | 166 | 20 |
| Total | 628 | 32 |

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.

Do not use very thin lines (hairline rules) in any of your Illustrations, Figures, Charts and Tables. All lines need to be .5 rule or higher. Line drawings must be made in black ink. Shading is permitted.

EQUATION FORMATTING

When numbering equations, enclose numbers in parentheses and place flush with right-hand margin of the column, i.e., with appropriate punctuation.

$$-1 \approx e^{i22.7} \quad (1)$$

REFERENCE FORMATTING

In the Reference section of this sample manuscript, this is illustrated for contributions to conference proceedings [1], journals [2], and books [3].

Do not use headers or footnotes. Rather write your text to include all essential ideas and to be free from material of low importance. If you have no other option and must use a footnote, number the footnotes separately in superscripts¹. Place the actual footnote at the bottom of the column in which it is cited. Do not put footnotes in the reference list or exceed the margins limits.

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.
- [2] W. Ko, M. Bao, Y. Hong, "A High Sensitivity Integrated-Circuit Capacitive Pressure", *IEEE Trans. Electron Devices*, Vol. ED-29, pp.48-56, 1982.
- [3] S. Timoshenko, D. Young, W. Weaver, "Vibration Problems in Engineering", 4th edition, John Wiley and Sons, 1974.

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