# Guidelines for Preparation of Manuscripts (Times New Roman, 12 pt, Bold, Centered)

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**Abstract**

Please follow the instruction to insure the uniformity in appearance of the papers in the Symposium Proceedings.

**Keywords:** Three to five keywords should be typed here.

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## 1. Introduction

Full Papers will be published in the Proceedings CD, available at the Congress. Papers must be submitted no later than 4th of June of 2010. Paper submission is performed by the contact author, using his user account and then uploading the paper in a PDF file format. The length of the paper is limited to 10 pages.

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## 2. Typing

The manuscript must be typed on A4 sheets (length: 297mm; width: 210mm). The left and right margins should be 25mm, the top and bottom margins are 25mm and 30mm, respectively. The typing area of each page is 242x160mm.

The text should be typed in BLACK color, using Times Roman, or, if not possible, a similar font. The use of 10-point font and single line space for main text of paper is mandatory. Type the title on the top of the first page. There is one empty line space between the title of the paper and the author(s), one empty line between the author(s) and the affiliation(s) of author(s), and one empty line space above the main headings. Do not leave empty line space between two paragraphs.

### 2.1. Title

The title of the paper should be typed in Title Case with 12 point bold typeface. The title should be centered.

### 2.2. Author's Name

Type the author's name(s) with 10-point bold typeface and in the order of first, middle and last name. There is one empty line above and below the name(s) of the author(s). The author's name(s) should be centered. Presenter's name should be underlined.

### 2.3. Affiliation

The affiliation(s) of the author(s) (including city, country and email address) should be typed below the list of authors. The affiliation(s) should be centered and typed with 9-point plane typeface.

### 2.4. Abstract

Do not have references or displayed equations in the abstract. There is one empty line between the abstract and the affiliation(s) of author(s).

### 2.5. Keywords

Keywords are necessary. Try to keep the number of keywords within five. There is one empty line below the keywords.

### 2.6. Heading

The main headings should be numbered as 1., 2., 3., and typed in Title Case with 10-point bold typeface and start from left end of the line. A main heading should have one line space above it. The secondary headings, if necessary, should be typed in Title Case with 10 point normal typeface. The secondary headings should be numbered as 1.1, 1.2, 1.3. There is one line space above the secondary heading but no space below it.

### 2.7. Equations

Equations must be consecutively numbered. Refer to equations in the text as Eq.(1), Eq.(2). All equations should be centered. Displayed equations should be numbered simply as (1), (2), (3). The numbers should appear at the

extreme right of the line in parentheses.

$$H = 2\left( F(\boldsymbol{X}_1) - F(\boldsymbol{X}_2) - \sum_{i=1}^{n} \frac{\partial F(\boldsymbol{X}_2)}{\partial x_i} \frac{x_{i,2}^{1-p_i}}{p_i} (x_{i,1}^{p_i} - x_{i,2}^{p_i}) \right) \tag{1}$$

2.8. Tables and Figures

Tables and figures should be consecutively numbered. Place table caption above the table and figure caption below the figure. Table and figure captions should be centered. Allow one line space between the table and its caption and between the figure and its caption. Allow one line of space between the table or figure and the adjacent text.

Figure 1: Circumferential stress

Table 1: Material properties

| *T* / *mm* | $\alpha$ | Fraction | *E*1 / MPA | *E*2 / MPA | *G*12 / MPA |
|---|---|---|---|---|---|
| 10 | -0.3038 | 0.1458 | 7087.03 | 103.81 | 41.3 |
| 20 | -0.9977 | 0.2848 | 14462.00 | 645.08 | 275.96 |
| 30 | -2.4270 | 0.2848 | 22456.00 | 1905.70 | 934.38 |
| 40 | -5.1850 | 0.5696 | 31842.00 | 3955.00 | 2306.10 |

**Acknowledgements**

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**References**

References should be listed at the end of the paper and consecutively numbered. Refer to references in the text with reference number in brackets as [1]. Style the reference list according to the following examples.

[1] M. Allen and K. Maute, Reliability-based design optimization of aeroelastic structures, *Structural and Multidisciplinary Optimization*, 27 (4), 228-242, 2004.

[2] M.P. Bendsoe and O. Sigmund, *Topology Optimization: Theory, Methods and Applications*, Springer-Verlag, Berlin, 2003.

[3] R. Ruben, J. Folgado and P.R. Fernandes, A Three-Dimensional Model for Shape Optimization of Hip Prostheses Using a Multi-Criteria Formulation, *6th World Congress on Structural and Multidisciplinary Optimization*, J. Herskovits, S. Mazorche, A. Canelas (Eds.), ISSMO, Rio de Janeiro, Brazil, 2005 (ISBN: 85–285–0070–5).