

GUIDELINES FOR THE PREPARATION OF EXTENDED ABSTRACT FOR 12TH IMEKO TC1 & TC7 JOINT SYMPOSIUM

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Abstract: The main purpose of this model is to present the format of extended abstracts, to be submitted to the scientific committee of the 12th IMEKO TC1 & TC7 Joint Symposium "Man Science & Measurement". The standard for submission will be unique and should obey the editorial instructions of the present document.

Keywords: first word, second word, third word. (maximum of three).

1. BASIC INFORMATION

The extended abstract should be written in English and the length must be from 2 to 4 pages. Keep in mind that the length of the camera ready papers will be from 6 to 8 pages. Begin the paper with the title which should be brief and self explanatory. In the header, put the author name(s) in a single line if possible, separated by commas. The name of the author that will present the work on the Symposium must be underlined. The affiliations should be informed in a summarized way, using different lines. Connect the name of each author with his affiliation by means of a numeric calling (superscript).

The abstract for the extended abstract should inform the paper contents, the methods employed and the results reached, emphasizing specially the scientific and/or technological contributions of the presented work, not exceeding 50 words.

The main body of the paper should be divided in sections. For greater clarity the standard model may be used (not demanding), composed by Introduction, Purpose, Methods, Results, Discussion and Conclusions. Each section may be divided in items. The initial section (Introduction) should present the problem and describe the state of art in the area, as well as the proposed solution and their merits. The following sections (Purpose, Methods and Results) should describe in details the methods and procedures used in the research and the obtained (experimental or simulated) results. In the following section (Discussion), the obtained results should be compared with the ones obtained by other authors, discussing the advantages and limitations of the proposed solution. In the final section (Conclusion) the results, the restrictions to the

application of the method and the possibility of applying the results, should be presented.

Acknowledgments can be expressed briefly after the main body of the paper. At the end, the list of bibliographic references must be added.

2. PREPARATION OF THE PAPER

The paper should be edited in A4 format (21.0 x 29.7 cm). The upper and lower margins should be of 25 mm; the left margin 20 mm and the right one 12 mm. The text must be written in two columns of 86 mm each, with a space of 6 mm between the columns.

2.1. Text

Use font Times New Roman, in sizes and styles detailed in Table 1:

Table 1. Sizes (in points) and font styles.

Used for	Size	Style
PAPER TITLE	12	BOLD FACE-UPPER CASE
<i>Author(s) name(s)</i>	<i>10</i>	<i>Italic</i>
Author(s) affiliation	9	Normal
Main text, equations	10	Normal
SECTION TITLES	10	UPPER CASE
<i>Subsection titles</i>	<i>10</i>	<i>Italic</i>
References	9	Normal
References, tables, figures legends and footnotes.	8	Bold face

The main text must be edited with single spacing and justified to occupy the total width of the column. Where subscripts or superscripts are used, the spacing must be increased to avoid superposition of adjacent lines. Leave an additional space of 6 points below each paragraph. Format the section titles to have 12 free points above and 6 points below them; the item titles must have 6 free points above and 6 points below them.

Leave a free lines between: a) the name of the seminar and the title of the paper (two lines of 10 points); b) the title of the paper and the author name(s) (10 points); c) the names and the affiliations (10 points); d) the affiliations and the beginning of the text (two lines of 10 points).

2.2. Tables and figures

The tables and figures (drawings, diagrams, graphics and photos) should be inserted in the page where they are presented and discussed for the first time. Insert the tables and figures in a centered position, preferably at the beginning or at the end of the columns. Big tables and figures may occupy both columns.

Tables and figures must be numbered and referenced in the text and must always have an explanatory legend. The legends must be placed above the tables and below the figures, centered in the column.

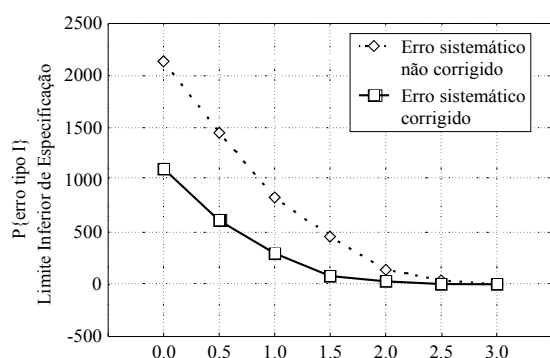


Fig. 1. Example of figure

The figures may be in black and white or in color. All figures in color must stay readable after being printed with a black and white printer. In all graphs, abscissas and ordinates must be identified with symbols and units. Care must be taken in using values at the scales so that they keep readable when the graph is reduced to fit in the column. It is recommended to insert the figures in such a way that they produce a file with the smallest size possible.

2.3. Equations

The equations must be numbered consecutively through the text. Equation number must be put into parenthesis and shifted to the right as showed in the following example:

$$\forall w \in W, \quad \forall x \in X, \quad \mu_R(x, w) = \mu_{d(x)}(w) \quad (1)$$

Use the appropriate mathematical symbols to make your equations more compact..

2.4. Writing style

Use a clear technical language. When dealing with metrological concepts, use the International Vocabulary of Metrology.

Use the International System of Units (SI). Other units, if unavoidable, should be used as secondary units and written into parenthesis, except when they are units that, although belonging to the SI, are used as commercial identifiers (e.g. 3½-inch diskettes). Units symbols must be in normal style; symbols of quantities in italic style.

2.5. References style

List and number all the bibliographical references in the order they appear in the text, immediately after the last section of the text (or Conclusion) or after the acknowledgments if there is one. Leave a 6 points space between consecutive references. See examples of recommended citation styles in [1-3].

Works not yet published should be cited as “in publication” when they were already accepted for publication, and as “not published” when submitted for publication but not yet accepted.

The calling in the text have to be made only with the reference number between brackets (e.g. [1]). If wish to mention the authors of a work in the text, give the names of all of them, unless they are more than six. In this case use the name of the first one and add “et al.”

3. CONCLUSION

Follow these instructions carefully in preparing your paper. Use the Web site of congress to send the electronic version of the file in Adobe Acrobat (.pdf) format. The files should be named by your family name and your first name (example: POPPER_Karl.pdf). For avoiding problems with specific fonts possibly used in your contribution please include all fonts when generating the PDF file of your abstract.

ACKNOWLEDGMENTS

Thank you for your cooperation in accepting these instructions. The success of the 12th IMEKO TC1 & TC7 Joint Symposium will also be constructed in the small details. We are waiting for your important contribution.

REFERENCES

- [1] P.D. Dresselhaus, Y. Chong, J.H. Plantenberg, and S.P. Benz, “Stacked SNS Josephson Junction Arrays for Quantum Voltage Standards,” IEEE Transactions on Applied Superconductivity Vol. 13, No. 2, pp. 930-933, June 2003.
- [2] Y. Chong, C. J. Burroughs, P. D. Dresselhaus, N. Hadacek, H. Yamamori, and S. P. Benz, “Practical High-Resolution Programmable Josephson Voltage Standards using Double- and Triple-Stacked MoSi₂-Barrier Junctions,” to appear in IEEE Trans. Appl. Supercond., Vol. 15, No. 2, June 2005.
- [3] G. M. Rocha, G. A. Kyriazis “A Software for the Evaluation of the Stability of Measuring Standards Using Bayesian Statistics”, Proceedings of the 13th International Symposium on Measurements for Industry Applications, pp 386-391, Athens, September 2004.