

Preparation of Extended Abstracts for ParCFD 2010 Conference: Use 14-point Font for Title

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Abstract: The following is a set of guidelines for preparing the extended abstracts at the 2010 Parallel CFD conference. Use this document as a template to prepare the manuscript when using Microsoft Word 6.0 or later. Otherwise, use this document as an instruction set. For upload instructions, follow directions on the conference website.

Keywords: Include a list of 3-5 keywords, separated by commas.

1. INTRODUCTION

This document is a template for Microsoft Word versions 6.0 or later. Please do *not* put any running header/footer or page number in the submitted manuscript.

You can type over sections of this document, or cut and paste from another document and then use markup styles. Do *not* change the font sizes or line spacing to squeeze more text into the pages. Use italics for emphasis; do *not* underline.

1.1 First Subsection

To insert images in Word, position the cursor at the insertion point and either use *Insert / Picture / From File* or copy the image and then *Edit / Paste Special / Picture* (with “Float over text” unchecked).

Please observe the page limits—no more than 5 pages for the extended abstract. Please do not modify margins (see Table 1).



Fig. 1: Communication time for OVERFLOW-2 for Altix, POWER5+, and ICE systems.

1.2 Another Subsection

Here is the text of this subsection.

2. PROCEDURE FOR FINAL ABSTRACT SUBMISSION

Please use this document as a “template” to prepare your manuscript. For submission guidelines.

2.1 Page Margins

All dimensions are in inches.

Table 1: Page margins

Page	Top	Bottom	Left/Right
First	1.0	1.0	1.0
Rest	1.0	1.0	1.0

It is very important to maintain these margins. They are necessary for placing conference information and page numbers consistently throughout the proceedings.

2.2 Figures and PDF Creation

All figures must be embedded in the document. When including an image, make sure to insert the actual image rather than a link to your local computer. If at all possible, use a standard PDF conversion tool such as Adobe Acrobat or Ghostscript. It is important that all fonts be embedded/subsetted in the resulting PDF.

3. HELPFUL HINTS

Here are some additional suggestions.

3.1 Mathematical Equations

If you are using Word, use either the *Microsoft Equation Editor* or the *MathType* add-on for equations in your paper (*Insert | Object | Create New | Microsoft Equation* or *MathType Equation*). “Float over text” should *not* be selected.

Number equations consecutively with equation numbers in parentheses flush with the right margin, as in (1). First, use the equation editor to create the equation. Then, select the “Equation” mark-up style. Press the tab key and write the equation number in parentheses. To make your equations more compact, you may use the solidus (/), the exp function, or appropriate exponents. Use parentheses to avoid ambiguities in denominators. Punctuate equations when they are part of a sentence, as in

$$\int_0^{r_2} F(r, \varphi) dr d\varphi = [\sigma r_2 / (2\mu_0)] \quad (1)$$
$$\cdot \int_0^\infty \exp(-\lambda |z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_1) d\lambda .$$

Be sure that the symbols in your equation have been defined before the equation appears or immediately following. Italicize symbols (*T* might refer to temperature, but *T* is the unit tesla). Refer to “(1),” not “Eq. (1)” or “equation (1),” except at the beginning of a sentence: “Equation (1) is ...”

3.2 Figures and Tables

Figure axis labels are often a source of confusion—use words rather than symbols. Figure labels should be legible, at least 9-point type.

3.3 References

Number references either alphabetically by first author (preferred) or in the order they are cited in the paper. Publications by the same author(s) should be listed in order of year of publication. Cite references as [1]. All references listed must be directly cited in the text. Footnotes should be avoided as much as possible [3].

Papers that have not been published should be cited as “unpublished.” Capitalize only the first word in a paper title, except for proper nouns and element symbols [2,4].

3.4 Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have already been defined in the abstract. Abbreviations such as CFD, CPU, and Hz do not have to be defined. Do not use abbreviations in the title unless they are unavoidable (for example, “ParCFD” in the title of this article).

3.5 Other Recommendations

Use one space after periods and colons. Hyphenate complex modifiers: “zero-field-cooled magnetization.” Avoid dangling participles, such as, “Using (1), the potential was calculated.” Write instead, “The potential was calculated by using (1),” or “Using (1), we calculated the potential.” Avoid contractions; for example, write “do not” instead of “don’t.” The serial comma is preferred: “A, B, and C” instead of “A, B and C.”

4. CONCLUSIONS

A conclusion section is not required. Although a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions.

REFERENCES

1. Brown, F., Harris, M.G., and Other, A.N. (1998). Title of paper. In Name(s) of editor(s) (ed.), *Name of book in italics*, page numbers, Publisher, Place of publication.
2. Smith, S.E. (2004). *Title of book in italics*, page or chapter numbers if relevant, Publisher, Place of publication.
3. Smith, S.E. and Jones, L.Q. (2008). Title of paper. *Name of journal in italics*, volume (number), page numbers.
4. Smith, S.E. and Yu, S.-H. (2007). Title of paper, *Name of conference in italics*, Place of conference, page numbers.