

# TITLE OF PAPER FOR PD FCCS '10: EXAMPLE AND INSTRUCTIONS

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## **Abstract**

A short (one-paragraph) abstract should summarize the contents of the paper, using approximately 100-150 words. The abstract paragraph must be indented 1 cm from both the left and right margin. Directly after the abstract, at least three and up to six keywords should be included. One blank line must separate the abstract paragraph and the keywords. Two blank lines should be inserted before the abstract and after the keywords. From the abstract, a reader should be able to learn the purpose of the article and the reason for its importance. The keywords must characterize the subject of the paper, in order to use in indexing. The abstract paragraph and keywords must be written by means of 10-point font size, according to this example.

**Keywords:** computer science, artificial intelligence, computational intelligence, soft computing, intelligent systems

## **1 Introduction**

Authors are invited to submit high quality original papers, within the scope of the PD FCCS, with the understanding that their contents are unpublished

and are not being actively under consideration for publication elsewhere. For any previously published and copyrighted material, a special permission from the copyright owner is required. This concerns, for instance, figures for which copyright exists. In such a case, it is necessary to mention by the author(s), in the paper, that this material is reprinted with the permission.

Papers must be clearly written in English. Authors whose native language is not English are recommended to seek advice of native English speakers and/or English language professional teachers, before submitting their manuscripts.

This is a sample paper that is an illustration of the requirements concerning the form of articles prepared for publication in the PD FCCS international journal. It contains detailed instructions for authors, and is completely written according to the editorial style of the journal.

Papers prepared in  $\text{\LaTeX}$  are strongly preferred by the PD FCCS Editorial Office. Manuscripts written by use of the Microsoft Word may be accepted only for articles that do not contain mathematical formulas in the text. Apart from the source files, PDF forms of the papers are required.

## 2 Detailed Instructions

The first page of each paper should contain its title, the name of the author(s) with the affiliation(s) and e-mail address(es), and then the abstract and keywords, as shown above. Then, an Introduction, i.e. the first section of the paper, must be included in the title page, as in this instruction article.

Capital letters must be applied in the title of a paper, and 17 pt. boldface font should be used, as in the example at this page. Section and subsection headings must be in 14 and 12 pt., respectively, with boldface fonts, and every word, except "and", "or", "of", etc., starting with capital letters. The title of the paper, author's name (authors' names), and affiliation(s), e-mail address(es), as well as the word "abstract" (boldface), should be centered, like in this sample article.

In the abstract and keywords, 10 pt. font size is required, as mentioned earlier, with boldface fonts used in the words "abstract" and "keywords". In authors' names, 12 pt font size (boldface) should be applied, and 10 pt. italic font size in author's affiliation(s). In the e-mail address(es), also 10 pt. font size must be used, but not italic.

The authors' last names must be composed of capital letters, to distinguish the last names from the first names; as shown at the title page. In the case of more than one author and different affiliations, the numbers are used to asso-

ciate the affiliations with the authors, as illustrated in this example.

Apart from the above requirements, as well as table titles and figure captions, every paper must be written using 11pt font size. The Times New Roman fonts is required everywhere in the text, titles, captions, etc. Section and subsection headings should not be centered and should be numbered, except References (as well as Appendices and Acknowledgments if included by Authors), according to this instruction example.

The title of the article, as well as the section and subsection headings should be concise and informative (short and specific). More information with regard to tables, figures, as well as mathematical expressions, and others, can be found in Section 4.

Detailed instructions concerning references are presented in Section 6, Appendix, and References, at the end of this example article.

Authors must not number pages of their papers. They will be numbered later, in the PD FCCS Editorial Office. The papers may include 10–30 pages.

### 3 Typing Area and Margins

The typing area of the papers must be confined to 12 cm in width and 19 cm in length; written in a single column. Hence the margins of the A4 page must be set as follows: top margin: 5.2 cm, bottom margin: 5.5 cm, left margin: 4.5 cm, right margin 4.5 cm. This is illustrated in Table 1 and Figure 1.

**Table 1.** Set of margins at the A4 size page

Margin	Width [cm]
Top	5.2
Bottom	5.5
Left	4.5
Right	4.5

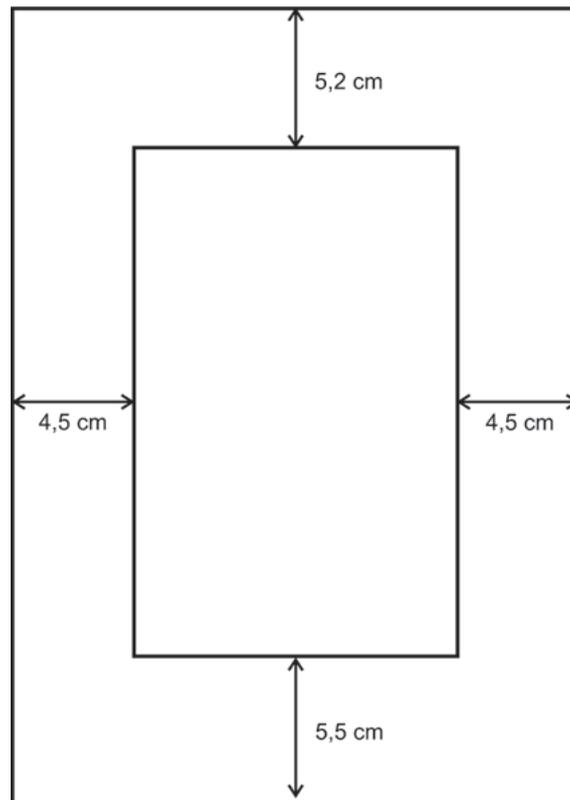
Let us notice that in a regular journal paper tables should supplement a text rather than duplicate it. Thus, it would be sufficient to replace the sentences "Hence the margins . . . right margin 4.5 cm. This is illustrated in Table 1 and Figure 1." by the following: "Hence the margins must be set as illustrated in Table 1. The typing area and margins are portrayed in Figure 1"

As mentioned in Section 2, detailed information concerning tables and figures are presented in Section 4.3.

The text of the papers ought to be typed with double spacing and one column, as shown in this sample article.

Figures and tables should be inserted in proper places throughout the text. They must be embedded in the text, within the typing area, not enclosed at the end of the paper. Figure with their captions, as well as tables with their titles, constitute integral bodies that must be placed as a whole at the same page.

Footnotes should be avoided, if possible. Acknowledgements may be included at the end of a paper (see Section 4.4), not in footnotes.



**Figure 1.** Illustration of the typing area and margins at the A4 size page

Section and subsection headings cannot end a page. In such a case, they ought to be moved to the first line of the typing area at the next page.

## 4 Sections and Subsections

The first and last section should be the Introduction and Conclusions (or Final Remarks), respectively. Headings and subheadings for different sections

must be clearly indicated and numbered appropriately (except the References, Appendices, and Acknowledgments), as mentioned in Section 2.

#### **4.1 About Introduction and Conclusions**

Every paper must include the Introduction section, which outlines the state of knowledge concerning the subject of the article. The Introduction section should portray the broad significance of the paper and explain what is new and original. The novelty may concern original concepts, techniques, results, observations, hardware/software implementations, and applications, as well as synthesis or new insights into previously reported research. Surveys and expository papers can also be accepted as significant contributions. Their connections with previous publications must be clearly explained in context with related research.

The Conclusions (or Final Remarks) section usually ought to clearly summarize the range of applicability of the methodology described in the article. It should point out the significance of the work, its limitations and advantages, as well as applications of the results. It may also recommend directions of further research.

#### **4.2 Mathematical Equations**

Mathematical equations should be written in separate lines, and numbered consecutively (numbers within round brackets) on the right-hand side. They must be centered, as follows

$$y = w_1x_1 + w_2x_2 \tag{1}$$

where symbols used in the equations must be explained.

The equations to which reference is not made in the text do not need to be numbered. For those that must be cited, they should be referred by their number enclosed in the round parentheses, e.g. "hence, from Equation (1), we obtain ...".

When papers are prepared using  $\text{\LaTeX}$ , authors can use many equations, also simple mathematical expressions directly within the text.

Italic fonts ought to be employed in mathematical symbols, as shown in Equation (1). Boldface fonts should be applied to vectors and matrices.

#### **4.3 Figures and Tables**

Figures and the tables should be centered, and numbered consecutively. Figure captions must be placed below the figures and table titles – above the

tables; both in 10pt. font size, like in Section 2.

In this sample (instruction) article, Table 1 in Section 2, is example that show how to use tables in a paper. Table 1 portrays the set of the margins. As mentioned in Section 2, generally tables should supplement – not duplicate – the text. The tables ought to be self-explanatory, with a brief descriptive title.

Text in tables should be 10 pt, like in Table 1. One blank line must be inserted before and after figures and tables (the captions are treated like the body of the figure or table). Boldface fonts should be used in the words "Figure" and "Table", in the figure captions and table titles.

Mathematical expressions in figures should be typed exactly as they appear in print (using the same fonts). All line drawings must be visible, and letters should be large enough to be readily legible.

References to figures, tables, sections, as well as to examples, theorems, and so on, should be capitalized, as in "Figure 1 and Table 1, in Section 2". All figures and tables must be mentioned in the text, and cited in number order.

Figures should contain graphical material, whereas tables – tabular one. All illustrations, graphs, and diagrams should be considered as figures, with corresponding numbers and captures. All figures and tables must be consistent in style and quality.

#### **4.4 Appendices and Acknowledgments**

Authors can use an Appendix (or Appendices) and Acknowledgments, which should be included before the References (in the same way, i.e. 14 pt. boldface, not centered and not numbered). The Appendices can be numbered as Appendix A, Appendix B, . . . . Appendices may be appropriate, for instance, for mathematical details that interrupt the flow of a paper. An Appendix can also contain a computer program code that is too long to include in the text.

Acknowledgements can be added at the end, before the References section, as shown in this sample article. For instance, acknowledgements of financial support may be given if appropriate.

An illustration of using an Appendix and Acknowledgements is given in this sample article.

## **5 Submission of Manuscripts**

Authors are strongly encouraged to submit their papers electronically by using the on-line submission system at the PD FCCS web-site. The electronic

versions of the papers can also be submitted to the PD FCCS Editorial Office via e-mail, as attachments (the e-mail address given at the PD FCCS website). The source files, generated by the  $\LaTeX$  (or Microsoft Word), along with corresponding PDF files, should be packaged together into one archive file and compressed by means of a common software such as ZIP.

As mentioned earlier, the papers ought to be prepared in  $\LaTeX$ , especially the articles that contain many mathematical formulas.

The papers must be submitted on the understanding that the subject matter has not been previously published and is not being actively under consideration for publication elsewhere. Upon acceptance of an article, its author(s) will be asked to transfer copyright of the paper to the Publisher of the PD FCCS monography. Authors are responsible for obtaining permissions to reprint previously published figures, tables, etc., if they use such a material.

The PD FCCS Editorial Office reserves the right to make such editorial changes of the papers as may be necessary for publication in the PD FCCS monography. However, authors of the articles will be requested to prepare camera-ready versions of their papers, taking into account comments and suggestions provided by reviewers and editors.

## 6 Final Remarks

References, i.e. a list of bibliography, must be included at the end of the paper. Every reference item must be cited at least once in the text. The citation should be done in the form of a number within square brackets, the same number that indicates this reference item in the reference list. For example, with regard to the Reference section in this sample article – the citation can be applied as follows: neural network subject is considered in [1], [2], [4], [7]. The reference items must be listed in alphabetical order by authors' names, in the style shown below (in the Appendix and References section). The references should be complete, i.e. they must include author's (and co-author's) name(s), journal or book title, year of publication, publishers and place of publication (for books), volume and number as well as page numbers (for journal papers), etc. The reference list must be carefully prepared according to the requirements.

In this sample article, this section concerns the references, but in regular papers the last section, i.e. the Conclusion (or Final Remarks) section, ought to contain conclusions and/or final remarks concerning contents of the paper. As

mentioned in Section 4.1, it should clearly summarize the range of applicability of the methodology described by author(s), and point out other significant aspects of the paper.

## Appendix

An Appendix section is optional in a paper. As explained in Section 4.4, when more than one Appendix is applied, they are numbered using letters A, B, C, and so on.

This Appendix presents detailed information concerning the style of references list, distinguishing different types of publications, such as books, chapters of books, journal papers, conference papers, reports, theses, etc.

### *BOOKS:*

Name A., Year, *Title of Book*, Publisher Name and Place.

### *EDITED BOOKS:*

Name E. (Ed.), Year, *Title of Book*, Publisher Name and Place.

### *BOOK CHAPTERS:*

Name A., *Chapter title*, Year, In: Name E. (Ed.), *Book Title*, Publisher Name and Place, pp.

### *JOURNAL PAPERS:*

Name A., Year, *Title of paper*, Journal Title, Vol., No., pp.

### *CONFERENCE PAPERS:*

Name A., Year, *Title of paper*, Conference Proceedings Title, Conference Place, pp.

### *THESES, REPORTS:*

Name A., Year, *Title of dissertation*, PhD Theses, University Name and Place.

Name A., Year, *Paper title or report title*, Techn. Report #number, University Name and Place.

Let us notice the difference between Title of Book and Chapter title or Title of paper. In titles of book chapters or journal papers, only the first letter is capitalized (see examples in References).

Page numbers must be included for journal and conference papers, as well as book chapters.

If it is necessary to include reference items published in different language than English, their titles and publisher names must be translated to English, and information about the original language should be included in round parentheses; see [4] in the References section.

Author's and co-authors' names must be separated by commas, not with the word "and", as in the reference items [3], [4], [8].

A special issue of a journal, as a whole, not a specific paper, can be cited (if necessary), and presented in the References section as shown in [3].

It is possible to cite reference items that have not been published yet but accepted for publication. In such a case, at the end of the reference item, in the References section, the information "to be published" in round parentheses should be added.

## Acknowledgments

Editors of the PD FCCS monography would like to thank authors and reviewers for their interest in the subject of PD FCCS Forum-Conference. Their great job enables to create contents of the monography which is hopefully a great source of information and knowledge of the research in this field.

## References

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