

Author Instructions: Preparation of Doctoral Consortium Contributions

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1 RESEARCH PROBLEM

Your contribution will be part of the Doctoral Consortium digital book, therefore we ask that the author follow the guidelines explained in this example in order to achieve an uniform compilation of received contributions.

Be advised that contributions in a technically unsuitable form will be returned for retyping. After returned the manuscript must be appropriately modified.

2 OUTLINE OF OBJECTIVES

The use of this document is mandatory for the preparation of the camera-ready. Please follow the instructions closely in order to make the volume look as uniform as possible (Moore and Lopes, 1999).

Please remember that all the contributions must be in English and without orthographic errors.

Do not add any text to the headers (do not set running heads) and footers, not even page numbers, because text will be added electronically.

For a best viewing experience the used font must be Times New Roman, except on special occasions, such as program code 4.3.7.

3 STATE OF THE ART

For Doctoral Consortium papers, the author is required to have at least the following main sections: **(RESEARCH PROBLEM, OUTLINE OF OBJECTIVES, STATE OF THE ART, METHODOLOGY, EXPECTED OUTCOME, STAGE OF THE RESEARCH)**. All other sections can be added if needed as well as subsections and subsubsections. References are not mandatory.

4 METHODOLOGY

The paper size must be set to A4 (210x297 mm). The document margins must be the following:

- Top: 3,3 cm;
- Bottom: 4,2 cm;
- Left: 2,6 cm;
- Right: 2,6 cm.

Any text or material outside the aforementioned margins will not be printed.

4.1 Manuscript Setup

The template is composed by a set of 7 files, in the following 2 groups:

Group 1. To format your paper you will need to copy into your working directory, but NOT edit, the following 4 files:

- apalike.bst
- apalike.sty
- article.cls
- scitepress.sty

Group 2. Additionally, you may wish to copy and edit the following 3 example files:

- example.bib
- example.tex
- scitepress.eps

4.2 First Section

This section must be in one column and is comprised of the contribution title, sub-title (Optional) and author name and affiliation(s).

4.2.1 Title and Subtitle

Use the command `\title` and follow the given structure in "example.tex". The title and subtitle must be with initial letters capitalized (titlecased). The separation between the title and subtitle is done by adding a colon ":" just before the subtitle beginning. In the title

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or subtitle, words like "is", "or", "then", etc. should not be capitalized unless they are the first word of the title or subtitle. No formulas or special characters of any form or language are allowed in the title or subtitle.

4.2.2 Author and Affiliation(s)

Use the command `\author` and follow the given structure in "example.tex". Please note that the name of the author must start with its first name.

4.3 Second Section

Files "example.tex" and "example.bib" show how to create a paper with a corresponding list of references. This section must be in two columns.

Each column must be 7,5-centimeter wide with a column spacing of 0,8-centimeter.

The section text must be set to 10-point.

Section, subsection and sub-subsection first paragraph should not have the first line indent.

To remove the paragraph indentation (only necessary for the sections), use the command `\noindent` before the paragraph first word.

If you use other style files (.sty) you MUST include them in the final manuscript zip file.

4.3.1 Section Titles

The heading of a section title should be in all-capitals.

Example: `\section{FIRST TITLE}`

4.3.2 Subsection Titles

The heading of a subsection title must be with initial letters capitalized (titlecased).

Words like "is", "or", "then", etc. should not be capitalized unless they are the first word of the subsection title.

Example: `\subsection{First Subtitle}`

4.3.3 Sub-Subsection Titles

The heading of a sub subsection title should be with initial letters capitalized (titlecased).

Words like "is", "or", "then", etc should not be capitalized unless they are the first word of the sub subsection title.

Example: `\subsubsection{First Subsubtitle}`

4.3.4 Tables

Tables must appear inside the designated margins or they may span the two columns.

Tables in two columns must be positioned at the top or bottom of the page within the given margins. To span a table in two columns please add an asterisk (*) to the table *begin* and *end* command.

Example: `\begin{table*}`
`\end{table*}`

Tables should be centered and should always have a caption positioned above it. The font size to use is 9-point. No bold or italic font style should be used.

The final sentence of a caption should end with a period.

Table 1: This caption has one line so it is centered.

Example column 1	Example column 2
Example text 1	Example text 2

Table 2: This caption has more than one line so it has to be justified.

Example column 1	Example column 2
Example text 1	Example text 2

Please note that the word "Table" is spelled out.

4.3.5 Figures

Please produce your figures electronically, and integrate them into your document and zip file.

Check that in line drawings, lines are not interrupted and have a constant width. Grids and details within the figures must be clearly readable and may not be written one on top of the other.

Figure resolution should be at least 300 dpi.

Figures must appear inside the designated margins or they may span the two columns.

Figures in two columns must be positioned at the top or bottom of the page within the given margins. To span a figure in two columns please add an asterisk (*) to the figure *begin* and *end* command.

Example: `\begin{figure*}`
`\end{figure*}`

Figures should be centered and should always have a caption positioned under it. The font size to use is 9-point. No bold or italic font style should be used.



Figure 1: This caption has one line so it is centered.

The final sentence of a caption should end with a period.

Please note that the word "Figure" is spelled out.



Figure 2: This caption has more than one line so it has to be justified.

4.3.6 Equations

Equations should be placed on a separate line, numbered and centered.

The numbers accorded to equations should appear in consecutive order inside each section or within the contribution, with the number enclosed in brackets and justified to the right, starting with the number 1.

Example:

$$a = b + c \quad (1)$$

4.3.7 Algorithms and Listings

Algorithms and Listings captions should have font size 9-point, no bold or italic font style should be used and the final sentence of a caption should end with a period. The separator between the title of algorithms/listings and the name of the algorithm/listing must be a colon. Captions with one line should be centered and if it has more than one line it should be set to justified.

Data: this text

Result: how to write algorithm with $\text{\LaTeX}$ 2e initialization;

```
while not at end of this document do
  read current;
  if understand then
    go to next section;
    current section becomes this one;
  else
    go back to the beginning of current
    section;
  end
end
```

Algorithm 1: How to write algorithms.

4.3.8 Program Code

Program listing or program commands in text should be set in typewriter form such as Courier New.

Example of a Computer Program in Pascal:

```
Begin
  Writeln('Hello World!!');
End.
```

The text must be aligned to the left and in 9-point type.

4.3.9 Reference Text and Citations

References and citations should follow the APA (Author, date) System Convention (see the References section in the compiled manuscript). As example you may consider the citation (Smith, 1998). Besides that, all references should be cited in the text. No numbers with or without brackets should be used to list the references.

References should be set to 9-point. Citations should be 10-point font size.

You may check the structure of "example.bib" before constructing the references.

5 EXPECTED OUTCOME

Please use this section to describe in detail the proposed method using visual element such as figures and tables if needed. Don't forget that every section can be complemented by the use of subsections and subsubsections.

6 STAGE OF THE RESEARCH

This section should describe in detail what the expected outcome of your Phd. Thesis is.

ACKNOWLEDGEMENTS

Should be placed before the references section without numbering. To do so please use the following command: `\section*{ACKNOWLEDGEMENTS}`

- **Conflicts of Interest:** The authors have no conflicts of interest or competing interests to declare in the context of this paper.
- **Financial and other Support:** No funding was received for the work reported here.
- **Author Contributions:** The authors contributed equally.
- **Data Sharing:** A dataset was generated and analyzed during the current study, available at <url>.
- **AI Tools:** The paper used AI tools for text correction purposes only.

REFERENCES

Moore, R. and Lopes, J. (1999). Paper templates. In *TEMPLATE'06, 1st International Conference on Template Production*. SCITEPRESS.

Smith, J. (1998). *The Book*. The publishing company, London, 2nd edition.

APPENDIX

If any, the appendix should appear directly after the references without numbering, and not on a new page. To do so please use the following command:
`\section*{APPENDIX}`