

# L<sup>A</sup>T<sub>E</sub>X Author Guidelines for CMP Proceedings Manuscripts

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**Abstract** *The Abstract is to be fully-justified paragraph at the top of the left-hand column. Use the word “Abstract” as the title, in 10-point Times, boldface type. The Abstract is to be in 10-point italics and single-spaced. It may be up to 8 cm long. Leave two blank lines after the Abstract, then begin the main text.*

## 1 Introduction

Please follow the steps outlined below when submitting your manuscript to the conferences organized by the Center for Machine Perception (CMP).

## 2 Instructions

Please read the following carefully.

### 2.1 Language

All manuscripts must be in English.

### 2.2 Formatting your paper

The best way how to format your manuscript is to use **cmp-proc package** [7] for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. Authors are strongly encouraged to use this package. The package is ready to be processed by pdf<sub>L</sub>T<sub>E</sub>X [5] which allows the generations of PDF documents directly from your L<sup>A</sup>T<sub>E</sub>X source file. The pdf<sub>L</sub>T<sub>E</sub>X is a part of T<sub>E</sub>XLive [3] distribution.

Installation of cmpproc package:

1. Get `cmpproc.zip` from [7].
2. Decompress this file.
3. Generate all needed files by running `latex` on `cmpproc.ins`
4. Put the file `cmpproc.sty` to be found by T<sub>E</sub>X and the `cmpproc.bst` to be found by bibtex. Rebuild the T<sub>E</sub>Xfile database by command `mktexlsr`. You may also put the files to the directory where you will be creating your document.
5. Compile this documentation by running `pdflatex` on the file `cmpproc.dtx`. The resulting PDF file should look like the document you are reading right now.
6. Use the template `cmpproc.tpl` as a starting point of your document.

**2.2.1 Submission and final versions** The paper should comprise 6 pages maximum. If you exceed this number the style will warn you about it.

The *submission* version is *anonymous*. It must not contain any information regarding the authors identity. Authors' names and affiliations are hidden by the *submission* parameter:

```
\usepackage[submission]{cmpproc}
```

The *final* version of the paper is formatted by default. For that option there are no headings and no page numbers. They will be added during the proceedings completion. If you temporarily need the page numbers use the *draft* option.

**2.2.2 Paper and CD versions** Note that proceedings will be available also as CD-ROM, so use hypertext links when appropriate. The `cmpproc` package itself loads the `hyperref` package which makes hypertext features from standard L<sup>A</sup>T<sub>E</sub>X crossreferences (`\section`, `\cite`, `\ref`, ...) automatically. For more features, see [manual](#) [4]. Moreover, you are encouraged to use color graphics and video annotations. Video support is incorporated, see section 2.8.

It is possible to create two versions of the final paper: one for grayscale printing and the other for digital CD. They may differ in color graphics, video annotations, etc. Surround places where source document code differs by `\ifprocCD` condition. E.g. to include two different images use

```
\ifprocCD
\includegraphics{CDImage}
\else
\includegraphics{PrintImage}
\fi
```

The non-CD version is produced by default. For preparation of the CD version just use the CD package parameter (e.g. `\usepackage[CD,...]{cmpproc}`).

**2.2.3 Dimensions** Keep the following dimensions when you use other software. All text must be in a two-column format. The main text block (without headings) should be of height 25 cm and positioned 2.3 cm from the top edge of the page. Its width should be 17.9 cm. The width of the column is 8.4 cm with 1 cm space between. Both left and right margins are set to 1.6 cm.

## 2.3 Type-style and fonts

Wherever Times is specified, Times Roman may also be used. If neither is available on your word processor, please use the font closest in appearance to Times that you have access to. For mathematics, the Math Time Family [6] suits best. If you have these commercial fonts uncomment two lines in the template file.

**2.3.1 Main title** The title should be 3.8 cm from the top edge of the first page. The title should be in Times 14-point, boldface type. Capitalize the first letter of nouns, pronouns, verbs, adjectives, and adverbs; do not capitalize articles, coordinate conjunctions, or prepositions (unless the title begins with such a word). Leave two blank lines after the title.

**2.3.2 Author name(s) and affiliation(s)** These are to be centered beneath the title and printed in Times 12-point, non-boldface type. They are to be followed by two blank lines.

**2.3.3 Main text block** Type main text in 10-point Times, with 12-pt line single-spacing. All paragraphs should be indented 1 pica (about 0.4 cm). Make sure your text is fully justified. Please do not place any additional blank lines between paragraphs. Figure and table captions should be 10-point Times boldface type as in Figure 1. Long cap-

**Figure 1:** Example of caption.

tions should be set as in Figure 2. Callouts should be 9-point Times, non-boldface type. Initially capitalize only the first word of section titles and first-, second-, and third-order headings.

**2.3.4 Headings** First-order headings (e.g. **1. Introduction**) should be Times 12-point boldface, initially capitalized, flush left, with 1 blank line before, and 1/2 blank line after.

Second-order headings (**1.1. Database elements**) should be Times 10-point boldface, initially capitalized, flush left, with 1/2 blank line before, and 1/4 after. If you require a third-order heading (we discourage it), use 10-point Times, boldface, initially capitalized, flush left, preceded by one blank line, followed by a period and your text on the same line.

## 2.4 Footnotes

Please use footnotes sparingly<sup>1</sup> and place them at the bottom of the column on the page on which they are referenced. Use Times 8-point type, single-spaced.

## 2.5 References

List and number all bibliographical references in 9-point Times, single-spaced, at the end of your paper. When referenced in the text, enclose the citation number in square brackets, for example [1, 2]. Where appropriate, include the name(s) of editors of referenced books. Sort references according to the first author surname, in alphabetical order.

<sup>1</sup> Or, better still, try to avoid footnotes altogether. To help your readers, avoid using footnotes and include necessary peripheral observations in the text (within parentheses, if you prefer, as in this sentence).

## 2.6 Illustrations, graphs, and photographs

All graphics should be centered. Your artwork must be placed in the article (preferably printed as part of the text rather than pasted up). Note the possibility of using hypertext links for referencing high quality color images, animations, vml models etc. outside the paper. You can include them separately with the CD version of the paper.

## 2.7 Color

The use of color on interior pages (that is, pages other than the cover) is prohibitively expensive. We make interior pages in color only when it is specifically requested by the author; the author pays for color print. Otherwise, color images will be printed on standard 600 dpi B&W laser printer.

## 2.8 Video

You can include mpeg or avi file as video annotation. (Unfortunately only Acrobat Reader for Win or Mac can play some of these files.) You can use following macro:

```
\video{width}{aspect_ratio_height/width}
[alternative_static_picture]{video_file}
```

Static picture is optional and should be understandable to includegraphics command. The picture is used when non-CD version of paper is generated. The video with width and proportion height/width is included into CD version. Example:

```
\video{4.5cm}{0.5}[cmp]{cmp.avi}
```



## 2.9 Column balancing

When producing the final (camera-ready) version of your paper, you can increase the aesthetics of the last page by balancing the two columns such that their vertical extent is approximately the same. Unfortunately the package can not do that automatically. Hence, you may rich the result by placing the \newpage macro to the place where you wish the left column to end.

## 3 Conclusions

Please refer any technical problems with the cmpproc package to [zyka@cmp.felk.cvut.cz](mailto:zyka@cmp.felk.cvut.cz) (preferably) or to [drbohlay@cmp.felk.cvut.cz](mailto:drbohlay@cmp.felk.cvut.cz).

## Acknowledgement

Acknowledgement should appear as the last section before the References. Use acknowledgement environment for this. It is not numbered. I would like to thank Tomáš Svoboda and Ondřej Drbohlay from CMP for valuable contribution and suggestions to this cmpproc documentation.

**Figure 2:** Example of a wide figure, it is typed by starred `figure*`. Long caption requiring more than one line. It is not typed centered but aligned on both sides.

## References

- [1] I. M. Author. Some related article I wrote. *Some Fine Journal*, 99(7):1–100, January 1999.
- [2] A. N. Expert. *A Book He Wrote*. His Publisher, Erewhon, NC, 1999.
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<http://tug.org/texlive/>.
- [4] S. Rahtz. *Hypertext marks in L<sup>A</sup>T<sub>E</sub>X: the hyperref package*, 1998.  
<http://www.tug.org/applications/hyperref/manual.html>.
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<http://www.pragma-ade.com/pdftex/pdftex-s.pdf>.
- [6] Math Time font family, Y&Y, Inc.,  
<http://www.YandY.com/mathtime.htm>.
- [7] V. Zýka. L<sup>A</sup>T<sub>E</sub>X author guidelines for CMP proceedings manuscripts, oct 2002. version 3,  
<http://cmp.felk.cvut.cz/cmp/events/CVWW2003/style/cmpproc.zip>.

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