How to format a submission for AlgoTel with the conference's own LaTeX2e-style

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Some brief description of your work and how it advances our science.

Keywords: some well classifying words, `mandatory`!

1 Introduction

The LaTeX2e-style for AlgoTEl is derived straight forward from the DMTCS style which is also derived from the usual `article.sty`! Its main purpose is to ensure a common layout policy of all articles in AlgoTel and to provide editors, referees and readers with the necessary information. If you think you need an introduction to LaTeX2e or search for pointers to other literature on that, you should consider reference [OPHS99] given at the end.

2 Providing Information for the first Page

We need the following type of information:

- The name(s) of the author(s), provided by the `\author` command.
  This is exactly the same as for standard LaTeX2e. Please refer to your LaTeX book to see how this is usually done, or look at the examples given here in this file.
- The title of the manuscript, provided by the `\title` command.
  The title command may be given in two different forms. The first is

  ```
  \title{Your title goes here}
  ```

  If done like that, the title that you give is used as running head for the odd numbered pages as well. If your title is too long such that it doesn't fit into the running head you should use the alternative form

  ```
  \title[Formatting a submission for AlgoTEl]{How to format a submission
  for AlgoTEl with the journal's own \LaTeX2e-style}
  ```

  Here the string that inside the `[ ]` is used in the running head.
- The address(es) of the authors, provided by the `\address` command.
- Some keywords that classify your work, provided by the `\keywords` command. Be careful on the choice of these keywords, you are the author, you should know best what is adequate such that your article can be easily and correctly identified by search engines and alike. Give it in the form

  ```
  \keywords{first item, second, third}
  ```

[†] I am not supported.
[‡] But he is!

So each "*key word*" might consist of several words in the usual sense. To separate several key words use commas.

These keywords must be the same as the ones that are given when you fill out the http-form for submission.

– An abstract of you manuscript, provided by the `abstract` environment. This should be no longer than a paragraph and concisely reflect the main contributions of your work.

3 Hints for the manuscript itself

3.1 Numbering commands

Please use the standard conventions for all commands and environments that provide a numbering such as theoremlike environments or sections. In particular usual counting starts at 1 and not at 0.

3.2 Proper Names

Please also be careful in the writing of personal names. Customs in different countries are different! Be sure to use a standard transcription of names that use a different alphabet than English, and also be sure to use the full capabilities of LaTeX2e for accentuated character sets that are based on the Latin alphabet. Be sure to catch the correct concept of "last name" in that language.

3.3 Use a Spell Checker

It is considered as being very impolite to leave obvious spelling errors in the manuscript before sending it out. Computers are made for these, **use them**.

You might either use the North American variant for spelling or the British one, but please don't mix them in one paper. The same holds for different possible spellings for the same word as for example "*acknowledg(e)ment*" or "*formulae*" versus "*formulas*". **Be coherent**.

3.4 Mathematics

– Running text must always constitute correct English phrases.

– All complicated mathematical formulae should be given on separate lines and should not be spread out into the running text. You should use LaTeX2e environments that provide a numbering for such formulae such as `equation` or `eqnarray`. Such numbers ease the referee process very much, and after eventual publication easily allow readers to refer to in their own work.

– The quantifiers "$\exists$" and "$\forall$" don't stand as abbreviations of the partial phrases "*there is*" and "*for all*". They are reserved for logical formulae as *such*, that is for work that talks itself of logical formulae as a subject.

– The equal sign "$=$" has different meanings in parts of the two communities that DMTCS addresses.

1. It might stand for mathematical identity that is discovered *a posteriori*. As an example take the following phrase:

$$\textit{An easy computation shows that } 4! = 24.$$

2. It might stand for a *definition*, as in

$$\textit{For convenience, set } 0! = 1.$$

For the later use of "$=$" Computer Scientist often tend to use "$:=$". Referees should be tolerant to these different customs.

4 PDF Files

The style now supports an option `pdftex` to use in combination with `pdflatex`. This is only experimental, but we hope that `pdflatex` will become more stable in the near future. If you are viewing this

document in its pdf form you may see some of the advantages this has: in particular pdf documents produced in that way have included *hyperlinks*. If you want to know more about these features please refer to `http://xxx.lanl.gov/hypertex/`.

If your installation doesn't support the package `hyperref`, you should switch of these features by giving the option `nohyperref` in the `\documentclass` declaration at the beginning of your manuscript. To give you the possibility to include hyperlinks even if your local installation doesn't support this, we provide the command `\href{URL}{text}` in any case.

5 Summary of Options

option	description
pdftex	to be enabled when processing with pdflatex
notimes	switch selection of the `times` package off

6 Summary of Relevant Commands

command	description
`\address`	the affiliation and address of the authors
`\keywords`	a comma separated list of keywords
`\qed`	produces □
`\acknowledgements`	

Références

[OPHS99] Tobias Oetiker, Hubert Partl, Irene Hyna, and Elisabeth Schlegl. *The Not So Short Introduction to LaTeX2e*, 3.3 edition, 1999. available at `http://www.loria.fr/services/tex/general/lshort2e.pdf`.