Instructions for the AES Template and Other LaTeX Things

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1   Introduction

This AES LaTeX conference template is the new template as of July 2015. It has been designed to be simple, use premade packages, and thus hopefully creates least amount of collisions with other packages the users might want to use. However, this moves some information adding responsibility to the author.

This template has been tested with TeX-Live 2015 and MiKTeX 2.9.5105 to work correctly. Please, provide feedback if you have any problems with it.

If you are a first time user of LaTeX, there multiple free tutorials online. I would recommend the LaTeX Wikibook `https://en.wikibooks.org/wiki/LaTeX` as a good free reference. Just remember that, as an author, LaTeX is more about creating content and less about fixing how the manuscript looks (the template will give you the look). So happy writing.

2   The mandatory information

There are several lines in the beginning of the document that you should provide for the class to work correctly. They are provided here without comment lines.

```
\title{Instructions for the AES
Template and Other LaTeX Things}
\author[1]{John Smith}
\author[1]{Teri Jones}
\author[2]{John Maclane}
\affil[1]{First University}
\affil[2]{Second company}
\correspondence{John Smith}
{john.smith@fakemail.com}
\lastnames{Smith, Jones, and Maclane}
\shorttitle{AES Template and LaTeX}
\expresspapernumber{100}
```

`\title` is obviously necessary and is the full title of your paper shown on the front page. `\author` command is used to add authors. Add one author command for each author and the order of the authors is

order they have been added. Author affiliation is added into the square brackets with number (or numbers) to correspond to the affiliation provided next. `\affil` command is used to add affilations. Add one (and just one) affiliation command for each different affiliation. `\correspondence` command is used to add the corresponding author information. `\lastnames` command is used to add the last names of the authors. This information is used to typeset the headers starting from page 2 of the paper. If you have long last names or many authors, please add here only the first author et al. (e.g. Pihlajamaki et al.) `\shorttitle` is the short version of your paper's title. You can use here whatever suits you best but make sure that the short title does not too long to go over to the left side of the page. `\expresspapernumber` applies only if you are producing an Express Paper is the number of your Express Paper provided to you by AES. Please insert it here.

NOTE: If the template uses class option `blind-review`, the template is intended for double-blind review. In such scenario, make sure that you don't give hints of the author(s) in the text. Also, ensure that the PDF metadata does not contain any information about the author(s).

3   Style

The style requirements remain the same as have been before in AES conferences and they are included here.

Good grammar should be used and writing should be easy to understand. Superlatives should be omitted. Words and phrases shall not be abbreviated in titles, abstracts, nor the first time they appear in the text.

Metric units according to the System of International Units (SI) should be used.

Figures, diagrams, and charts must be dark enough to reproduce in black only. If you are using color in a graph or chart to designate meaning, make sure that the meaning is not lost when your paper is printed on a B&W printer. Do this by using redundant text or

symbols to identify color lines. Minimum line width is 1/2 point. Figures should fit into either one or two columns. Nevertheless, the authors should use all possible methods to maximize the clarity of the figures.

Figures, tables, and illustrations should be placed consecutively in the text, as close as possible to their reference in the text. Figures must be normally oriented on the page and not turned sideways. All drawings and figures must be numbered (Fig. 1 etc.) and captioned.

Figure labels must be legible, at least 7 point size, using Helvetica font for preference. Filled areas should use screens of dots or cross-hatching rather than grey fills.

Photographs and graphic images should be saved as high-resolution (150 dpi) files and embedded in the text following the same guidelines as those outlined above for figures and tables.

Figures (especially two-column ones) should be placed either to the top or the bottom of the page.

For bibliography, use the provided style.

4 Template design

The template aims to work with a current version of LaTeX and for this purpose assumes that the user has a relatively recent version of LaTeX.

As PDFLaTeX seems to be the main tool used nowadays, a decision was made to support only it in this AES template. If you want to use plain LaTeX, you can do it and it might even work. I assume that if you are using plain LaTeX, you have the knowledge to get everything working while maintaining the visual look of the template.

Paper size is A4 but it should not really matter as the articles are nowadays generally only released online.

The template uses the Times font set (Times, Helvetica, and Courier). Although they are commercial, it is very rare nowadays that you would not have a comparable version of them on your computer. Please contact the template author if you have problems with this.

Bibliography and citing uses BibTeX and the "natbib"-package. This offers some additional commands that help writing better flowing text. A short reference of these commands can be found in `http://merkel.zoneo.net/Latex/natbib.php`. Further instruction are in the official package reference. The bibliography style is the "jaes.bst" which looks like the one used in the Journal of the AES and supports natbib.

5 Copyright

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