

# Instructions for the AES Template and Other LaTeX Things

Tapani Pihlajamäki and Jussi Pekonen

## 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}
\ebriefnumber{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 affiliations. 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. Pihlajamäki 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. `\ebriefnumber` applies only if you are producing an e-brief is the number of your e-brief provided to you by AES. Please insert it here.

## 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. However, to ensure compatibility, the new “`latexrelease`”-package is included as it is not yet part of all distributions. It will currently give out a warning if your LaTeX-distribution does not require any patches. Do not worry about it.

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://merkelzoneo.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

The top portion of the first page of this conference paper is copyrighted by the Audio Engineering Society and may not be reproduced without permission. Copyright to the content of an AES conference paper remains with its author. However, when submitting a paper for presentation at an AES conference, an author agrees that the Journal of the AES will have the first opportunity to consider it for publication. If it is accepted for publication in the Journal of the AES, authors will be asked to execute a transfer of copyright agreement.