



# How to Use the imeko\_acta L<sup>A</sup>T<sub>E</sub>X class

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## ABSTRACT

This article describes how to use the imeko\_acta.cls class L<sup>A</sup>T<sub>E</sub>X to produce high quality typeset papers that are suitable for submission to the Acta IMEKO journal.

The editorial team of Acta IMEKO strongly encourages authors to use this L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> template file to produce their manuscript. Please refer to the author for any suggestion, bug filing and complaint.

**Section:** RESEARCH PAPER

**Keywords:** No Keywords.

**Citation:** F. Tramarin, How to Use the imeko\_acta L<sup>A</sup>T<sub>E</sub>X class, Acta IMEKO, vol. 1 (2024) no. 1, pp. 1 – 2, DOI: [10.21014/actaimeko.vXiY.NNNN](https://doi.org/10.21014/actaimeko.vXiY.NNNN)

**Section Editor:** Francesco Lamonaca, University of Calabria, Italy

**Received:** March 15, 2024; **In Final Form:** March 15, 2024; **Published:** March 15, 2024.

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**Funding:** No funding specified.

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## 1. INTRODUCTION

imeko\_acta.cls is a thoroughly re-written document class for formatting L<sup>A</sup>T<sub>E</sub>X submissions to Elsevier journals. The class uses the environments and commands defined in L<sup>A</sup>T<sub>E</sub>X kernel without any change in the signature so that clashes with other contributed L<sup>A</sup>T<sub>E</sub>X packages such as hyperref.sty, preview-latex.sty, etc., should be minimal.

imeko\_acta.cls is primarily built upon the default article.cls and as such several things that works there should work also here.

This class depends on the following packages for its proper functioning:

- 1) babel.sty for hyphenation in GB English;
- 2) ebgaromond.sty to add a (OSS) support to the Garamond typeface for the main text;
- 3) amsmath for mathematical expressions;
- 4) array,booktabs for better tabular environments;
- 5) tabularx for automatic column-width tables;
- 6) graphicx.sty for graphics inclusion;
- 7) helvet.sty for typesetting Helvetica sans-serif parts;
- 8) hyperref.sty to support hyperlinking and metadata in the document;
- 9) stfloat.sty optional packages if floats need to be placed at the bottom of the page.
- 10) microtype optional package for introducing microtypographical features to the typesetting;

- 11) enumitem to match the itemized lists of the official Word template;
- 12) caption for typesetting captions of floats;
- 13) colortbl to highlight alternating rows of tabulars;

All the above packages are part of any standard L<sup>A</sup>T<sub>E</sub>X installation. Therefore, the users need not be bothered about downloading any extra packages.

## 2. USAGE

The class should be loaded with the command:

```
\documentclass [<options>]{imeko_acta}
```

where the options can be the following:

**submit** (default option) to be used by authors during submission phases.

**article**, **technicalnote**, **editorial** change the type of paper;

**showcorresponding**, **noshowcorresponding** indicates if the corresponding author should be explicitly marked with a \* after his/her name. Default is **noshowcorresponding**.

All options of article.cls can be used with this document class.

The default options loaded are **a4paper**, **10pt**, **twocolumn**, **article**.

### 3. THE TITLE AREA

The title area of any manuscript published in Acta Imeko is typeset on a single column section, composed by the Title, the Author and Affiliations area, a light blue box containing the Abstract, and finally a box containing several manuscript data (keywords, fundings, corresponding author, etc.) and a “Citation” field, containing a string useful for citing directly the work.

The title area is created with the standard L<sup>A</sup>T<sub>E</sub>X command `\maketitle` and using the same schema of `article.cls`. Before this command is called, the author must declare all of the text objects which have to appear in the title area, as detailed below.

#### 3.1. Paper Title

Use the classic `title` command. It is safe to put it just after the `\begin{document}` line.

#### 3.2. Authors

The inclusion of author names is performed with the usual `\author{}` environment.

However, the class will display both the full author names in the authors area, as well as the shorten form (with abbreviated authors names) for the **Citation** field. Therefore, it is required for authors to input these tokens “name”, “surname” and “abbreviation” separately.

To this aim the command has to be used in this form:

```
\author{
name={Name},
surname={Family Name},
abbreviated={Abbreviated Name}
}
```

For instance, an author whose name is “Thomas Alva Edison” will be introduced as:

```
\author{
name={Thomas Alva},
surname={Edison},
abbreviated={T. A.}
}
```

and produces both the full name for the author field, and the abbreviated form “T. A. Edison”.

#### 3.3. Sections

If a section is long or deals with different topics, make a subdivision in subsections. Avoid further subdivision of a subsection.

When subsections are used, there must be at least two. Use the style named “Level2Title” for the header of a subsection.

##### 3.3.1. Test

If a section is long or deals with different topics, make a subdivision in subsections. Avoid further subdivision of a subsection. When subsections are used, there must be at least two. Use the style named “Level2Title” for the header of a subsection.

#### 3.4. Numbering of subsections

Subsection numbering follows the outline numbering format which is configured in the template. Subsection headings use the Calibri font and are in bold.

### ACKNOWLEDGMENT

Here persons or institutes may be acknowledged for their technical, scientific or financial support. List them in this section, and not as a footnote or otherwise.

### REFERENCES