



How to Use the imeko_acta L^AT_EX class

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ABSTRACT

This article describes how to use the imeko_acta.cls class L^AT_EX 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^AT_EX 2_ε template file to produce their manuscript. Please refer to the author for any suggestion, bug filing and complaint.

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1. INTRODUCTION

imeko_acta.cls is a thoroughly re-written document class for formatting L^AT_EX submissions to Elsevier journals. The class uses the environments and commands defined in L^AT_EX kernel without any change in the signature so that clashes with other contributed L^AT_EX 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) ebgarmond.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^AT_EX 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 PAGE

The title page is created with the standard \LaTeX 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 are 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

Description of authors' management.

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.

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REFERENCES

- [1] M. Fazio, S. L. Rota, Metrology on stamps, *Phys. Educ.*, vol. 30, 1995, pp. 289–297.
DOI: [10.1088/0031-9120/30/5/007](https://doi.org/10.1088/0031-9120/30/5/007)
- [2] S. Middelhoek, S. A. Audet, *Silicon Sensors*, Academic Press, London, 1989, ISBN: 0-12-495-051-5.
- [3] K. T. V. Grattan, *Measurement: system of scales and units*, Concise Encyclopedia of Measurement and Instrumentation, L. Finkelstein, K. T. V. Grattan (editors), Pergamon Press, Oxford, 1994, ISBN: 0-08-036212-5, pp. 209 – 214.
- [4] M. J. Lighthill, Contribution to the theory of heat transfer through a laminar boundary layer, *Proc. of Royal Society, London*, 1950, vol. A202, no. 3, pp. 359–377.
- [5] M. J. Lighthill, Contribution to the theory of heat transfer through a laminar boundary layer, *Proc. of Royal Society, London*, 1950, vol. A202, no. 3, pp. 359–377.
- [6] V. Pop, P. P. L. Regtien, H. J. Bergveld, P. H. L. Notten, J. H. G. Op het Veld, Uncertainty analysis in a real-time state-of-charge evaluation system for lithium-ion batteries, *Proc. of 18th IMEKO World Congress*, Rio de Janeiro, Brazil, 2006, pp. 164 – 166.
- [7] T. Bruns, D. Röske, P. P. L. Regtien, F. Alegria, Template for an imeko event paper, 2014.
<https://acta.imeko.org/index.php/acta-imeko/information/authors>
- [8] A. C. Serra, L. V. Biesen, Imeko - the instrumentation and measurement confederation, *Proc. of the 12th IMEKO TC1 & TC7 Joint Symposium on Man, Science & Measurement*, Annecy, France, June 2008. Online. [Accessed: 27 April 2023].
<https://www.imeko.org/publications/tc7-2008/IMEKO-TC1-TC7-2008-IKL-001.pdf>