ACTA IMEKO
ISSN: 2221-870X
VM VY, Volume VN, Number IN, 1 – 2

How to Use the `imeko_acta` LaTeX class

Federico Tramarin[1]

[1] *University of Modena and Reggio Emilia, Italy*

ABSTRACT
This article describes how to use the imeko_acta.cls class LATEX 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 LaTeX 2$_\varepsilon$ 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: Federico Tramarin, How to Use the `imeko_acta` LaTeX class, Acta IMEKO, vol. VN, no. IN, article AN, VM, VY, Identifier: IMEKO-ACTA-VN (VY)-IN-AN

Section Editor: Not specified., Not specified.

Received: February 8, 2024; **In Final Form:** February 8, 2024; **Published:** February 8, 2024.

Funding: No funding specified.

Corresponding Author: Federico Tramarin, e-mail: tramarin@unimore.it

1. INTRODUCTION

imeko_acta.cls is a thoroughly re-written document class for formatting LaTeX submissions to Elsevier journals. The class uses the environments and commands defined in LaTeX kernel without any change in the signature so that clashes with other contributed LaTeX packages such as hyperref.sty, preview-latex.sty, etc., will be minimal. elsarticle.cls is primarily built upon the default article.cls.

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

1) geometry.sty for margin settings;
2) fleqn.clo for left aligned equations;
3) graphicx.sty for graphics inclusion;
4) helvet.sty for typesetting Helvetica sans-serif parts;
5) hyperref.sty to support hyperlinking and metadata in the document;
6) endfloat.sty optional packages if floats to be placed at end of the PDF.

All the above packages (except some optional packages) are part of any standard LaTeX installation. Therefore, the users need not be bothered about downloading any extra packages. Furthermore, users are free to make use of AMS math packages such as amsmath.sty, amsthm.sty, amssymb.sty, amsfonts.sty, etc., if they want to. All these packages work in tandem with elsarticle.cls without any problems.

2. 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.

2.1. Paper Title

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

2.2. Authors

Description of authors' management.

2.3. 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.

2.3.1. 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.

2.4. 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

[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

[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