

Materials Science & Technology Conference Proceedings: Instructions for LaTeX Template

TMS¹ and ISS²

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Keywords: Keyword1, Keyword2, etc.

Abstract

This is an instructional guide for using the LaTeX Template that has been built for the **Materials Science & Technology Conference Proceedings (MS&T)**. This template has a preset formatting structure to help you prepare your paper.

Introduction

This LaTeX template is divided into two files. “MS&T_Base.tex” contains the proper layout and command definitions; “MS&T_Paper.tex” should reside in the same directory and should be used as the actual starting point for your paper.

The template uses both the “geometry” and “titlesec” packages. If you do not have these packages, they can be downloaded from the following web locations:

<http://www.ctan.org/tex-archive/macros/latex/contrib/supported/geometry/>

<http://www.ctan.org/tex-archive/macros/latex/contrib/supported/titlesec/>

Document Setup

Document Class

In the first line, the document class is set to the following:

- letterpaper (8.5x11 page size)
- 12pt (for default font size)
- onecolumn
- onesided
- article

Layout

Margins. The next section uses the “geometry” package to properly set up the page layout (see following table); please do not make any changes to these dimensions.

Dimension for Page Setup				
Dimensions	Inches Decimal	Points	Picas	Millimeters
Page Size:	8.5 x 11	612 x 792	51 x 66	215.9 x 279.4
Text Height:	9.5	720	57	241.3
Text Width:	7	462	42	177.8
Top Margin:	.5	36	3	12.7
Left Margin:	.75	54	4p6	19.05

There is no need to have a header or footer when submitting an electronic document, so the “noheadfoot” option is set. There is also no need to have page numbers, so the “\pagestyle{empty}” option is set.

Commands for Sectioning

The default way LaTeX sections papers is not used. Instead, the “titlesec” package is used to redefine the sectioning commands. No section numbering is used, so the “secnumdepth” is set to 0.

\section{This is an Example}

This command should be used for any first level headings such as the “Abstract,” and “Introduction” sections of your paper.

Font Attributes: Bold
 Capitilization: First letter of each word in caps
 Alignment: Centered
 Spacing: Begin paragraph below heading

\subsection{This is an Example}

This command should be used for any second level headings.

Font Attributes: Bold + Underline
 Capitilization: First letter of each word in caps
 Alignment: Flush left on column
 Spacing: Begin paragraph below heading

\subsubsection{This is an Example.} If necessary, this style should be used for any third (and subsequent) level headings. It is almost identical to the second level heading except that a second level paragraph begins below the heading whereas the third level paragraph begins on the same line, immediately following the heading.

Font Attributes: Bold + Underline
 Capitilization: First letter of each word in caps
 Alignment: Flush left on column
 Spacing: Begin paragraph on same line as heading

Commands for First Page

The next portion contains the command definitions for the paper title, author list and author affiliation(s).

\PaperTitle

The title of your paper should start about 3 lines below the top margin. The title is in large (14 pt.), bold text and there should be a paragraph break between the title and author(s) name(s); capitalize the first letter of every word, using lower case as needed.

\AuthorsList

There should be a blank line between the title and the author list. If there is more than one author, subsequent author names should follow on the same line as the first author mentioned, continuing onto further lines as necessary. If the different authors also have different affiliations, there should be a superscript number following each author name that corresponds to the proper affiliation.

There should be a blank line between the author(s) name(s) and affiliation(s). Each author affiliation should be put on a separate line (multiple lines as needed), with a superscript number at the beginning that corresponds to the correct author(s) in the previous section

\AuthorsAffiliation

There should be a blank line between the author(s) name(s) and affiliation(s). Each author affiliation should be put on a separate line (multiple lines as needed), with a superscript number at the beginning that corresponds to the correct author(s) in the previous section

Keywords

There should be a blank line after the author(s) affiliation(s) and then the keyword list for you paper. Another blank line should follow below the keyword list.

You may now begin inputting the main body of your paper. The default way in which LaTeX handles footnotes, floats (tables, pictures, graphs, etc.) and the bibliography is acceptable. Any further information on how to prepare your paper should be covered in the formatting instructions.

Saving and Submitting

Because of LaTeX's built-in PDF capabilities, you will be required to submit a PDF version of your paper along with a hard-copy. Be sure to create the PDF version directly from the LaTeX file (e.g. the "pdflatex" command); please do not create the PDF file from a DVI version of the paper.