

# Manuscript Template for the IEEE MTT-S Latin America Microwave Conference LAMC (Title in 18-point Times Roman)

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Institution or Organization, City (optional), Country, e-mail of corresponding author (authors' affiliation(s) listed here is set to 12-point Times – use more lines if necessary)

**Abstract**—Papers submitted to LAMC will be peer-reviewed following a single-blind process (authors' information must be included in each submitted manuscript). For the Abstract, 9-point Times bold is used. The line spacing is set to 10 points rather than a single space. The first line is indented by 0.13 inches and the word “Abstract” is in 9-point Times bold Italics, followed by a long dash (—) and the first word of your abstract. Please try to keep the length of your abstract to 150 words or less.

**Index Terms**—Type here the main keywords, in alphabetical order, such as ceramics, EBG structures, etc.

## I. INTRODUCTION

The following information is provided to help the prospective contributor prepare a manuscript for submission to the IEEE MTT-S Latin America Microwave Conference (LAMC).

Manuscripts can be three pages long, including all figures, tables, references, etc. However, four pages is the maximum absolute limit. Additionally, there is a size limit on the electronic version of all manuscripts. In Adobe Portable Document Format (PDF), submissions should not exceed 32 Megabytes.

This document contains instructions for the preparation of the manuscript. Once a paper is accepted, the Technical Program Reviewer's Committee (TPRC) might recommend changes. All authors with accepted papers must submit the final version of their manuscript within the corresponding deadline. Once accepted, final submissions must be IEEE Xplore compatible. Accepted papers will be published in the LAMC Proceedings. After the conference, all presented papers will be submitted for inclusion in the IEEE Xplore Digital Library.

You are encouraged to employ this L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> template for typing (or copying and pasting) your manuscript. The proposed template for LAMC is based on the one used for the IEEE IMS, with just a few variations. However, if you elect not to use this template, please remember that you must still adhere to the general guidelines embodied in this document, concerning but not limited to, font size, margin size, page limits, file size, etc.

## II. OVERVIEW OF THE MANUSCRIPT FORMAT

We request that you follow these guidelines as closely as possible so that the LAMC Proceedings look professional and uniform. All paragraphs of text, including the abstract, figure

captions, and references, should be justified at the left and right edges.

For the Title, use 18-point Times, horizontally centered. Please note that you can insert blank spaces in the Title to give the text a better horizontal distribution. The Title paragraph description should be set so that the line spacing is single with 6-point spacing before and 6-point after the Title. The font description for the Author List and Authors' Affiliation(s) should be 12-point Times. The paragraph descriptions for authors and affiliations should be set to single-line spacing, with 6-point spacing before and 6-point after the paragraph. But you do not have to worry if you use the provided .tex template.

## III. DETAILED TEXT FORMATTING

With regular letter-size paper (8.5 by 11-inch), top and bottom margins are 0.75 inches (1.9 cm) and 1 inch (2.54 cm), respectively. The left and right margins are 0.63 inches (1.6 cm). Excepting for Title, Authors, and Affiliations, use a double-column format. The column width is 3.5 inches (8.89 cm), and the column spacing is 0.25 inches (0.635 cm). This is already set in the file LAMC\_modify\_IEEEtran\_18b\_CTAN\_V1.tex.

Each major section begins with a heading in 10-point Times centered within the column, in SMALL CAPITALS format. Section headings must be numbered using Roman numerals (except for the ACKNOWLEDGEMENT and REFERENCES) followed by a period, a single space, and the title using an initial capital letter for each main word (title format). The vertical paragraph spacing for the section heading line should be set for 12 points before and 6 points after, and the line spacing should be set to exactly 12 points.

For the body of the paper, 10-point Times is used and the paragraph spacing is at “exactly 12 points” with 0 points before and after. Each paragraph is indented by 0.13 inches (0.33 cm). Further details are provided in the remainder of this template on some specific situations.

### A. Major Subsections

Denote subsections with left justified 10-point Times Italic. Order them with capitalized alphabetic characters (A, B, ...). Follow the letter designation with a period and a single space, and then the subsection title capitalizes each main word's first letter (title format). The paragraph description of the subsection

TABLE I. SUMMARY OF TYPOGRAPHICAL SETTINGS

Section	Font Specifics (Times unless specified)			Paragraph Description				
	style	size	special	Spacing (in points)			alignment	indent (in inches)
Title	plain	18	none	single	6	6	centered	none
Author List	plain	12	none	single	6	6	centered	none
Affiliations	plain	12	none	single	6	6	centered	none
Abstract	bold	9	none	exactly 10	0	0	justified	0.13 1 <sup>st</sup> line
Index Terms	bold	9	none	exactly 10	0	0	justified	0.13 1 <sup>st</sup> line
Headings	plain	10	small caps	exactly 12	12	6	centered	none
Subheadings	italics	10	none	exactly 12	6	6	left	none
Body Paragraphs	plain	10	none	exactly 12	0	0	justified	0.13 1 <sup>st</sup> line
Equations	Symbol font for special characters			single	6	6	centered	none
Figures	8 to 10 point sans serif (Helvetica)			single	0	0	centered	none
Figure Captions	plain	9	none	10	0	0	justified	none, tab at 0.394
References	plain	8	none	10	0	0	justified	0.25 hanging

heading is set to “exactly 12-point” line spacing with 6 points before and 6 points after.

### B. Equations

Equations should be centered in the column and numbered sequentially. Use unstarred environments to automatically enumerate and center the equation, like `equation`, `align`, etc. See the *amsmath* documentation file `amslatex.pdf` for more options. Equation numbers are placed to the right of the equation within parenthesis and right justified within its column. An example is as follows:

$$e = mc^2 \quad (1)$$

When referring to an equation, use the `\eqref` command. Here (1) was used as an example because it was easy to type.

### C. References

The heading of the References section will not be numbered. All reference items will be in 8pt font. The reference items will be numbered consecutively in square brackets (e.g., [1]).

When referring to a reference item, simply use the reference number, using the command `\cite`. Do not add extra words as “Ref. [3]” or “Reference [3]” except at the beginning of a sentence, e.g., “Reference [3] shows ...”. Multiple references are each numbered with separate brackets (e.g., [2], [3], [4]–[6]).

Examples of reference items of different categories shown in the References section include the following: book [1], book in a series [2], journal paper [3], conference paper [4], patent [5], website [6], web page [7], databook as a manual [8], datasheet [9] thesis [10], technical report [11], and standard [12].

The references will be listed in the cited order in the last section of the manuscript. The paragraph for references is set with a line spacing of exactly 10 points with 0-point spacing before and after.

## IV. FIGURES

Figures should utilize as much column width as possible to maximize legibility. You should use a sans-serif font, such as

Helvetica. Helvetica is more prominent and easier to read than Times (Times is fine as long as the figure text is reasonably legible). Using a 6- to 9-point Serif usually results in a legible figure. When referring to a figure, use the abbreviation “Fig. ~” followed by its reference. Place figure captions directly below each figure. Use 9-point Times with the paragraph spacing set at “exactly 10 points” for figure captions, with a tab set at 0.394 inches (1 cm).

In  $\LaTeX$ , several options exist for placing floating bodies within your paper. One alternative is to insert them between existing paragraphs allowing the figures to remain in that relative position with the `[h]` option in the `figure` environment. Remember that  $\LaTeX$  may be a little fussy about it. The disadvantages of this approach are that you need more flexibility in placing figures and that the figures will move as text is inserted or deleted in any part of the document before the figure. Therefore, if you select to use this approach, it is recommended that you nearly complete the editing of your text before inserting any figures.

Remember to allow room for them, however. Then begin inserting figures starting from the beginning of your document. Fig. 1 was inserted using the approach described above.

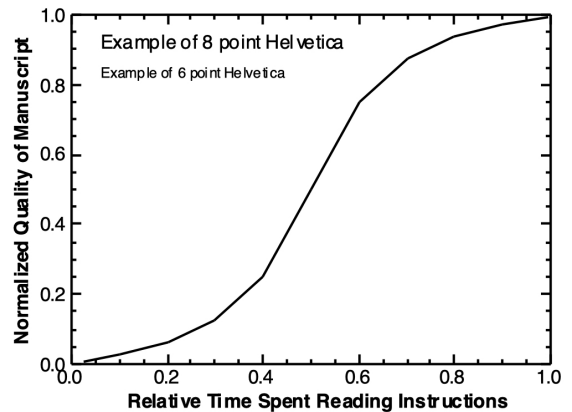


Fig. 1. Estimated relationship between the time an author spends reading these instructions and the quality of the author’s digest article.

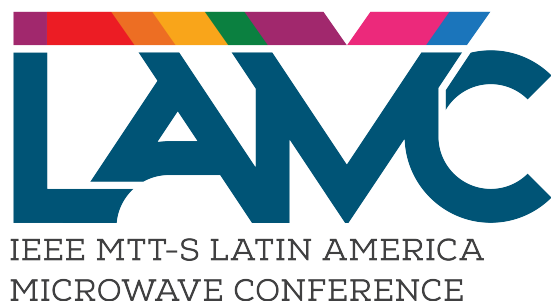


Fig. 2. General official logo for the IEEE MTT-S Latin America Microwave Conference. This logo can be used in the power-point conference presentation.

Other option is to select [t] or [b] so  $\LaTeX$  place the figure at the top or bottom of the page respectively. Fig. 2 was inserted using this approach with the [t] option.

Table I was implemented in the above fashion also, using [t] in a table environment. Table I also illustrates one of the rare instances when the double column format requirement can be violated. Certain figures and tables will require the full page width to display. It is usually best to place these figures and tables at the top or bottom, rather than in the middle, of a page.

Remember to add the `\label` before the end of the table or figure environments, and put a tilde symbol (~) after Fig. or Table references, so the number do not go to the next line. For example, in this file the table was labeled as `\label{tab:Styles}`. The, when cited, it is written as `Table~\ref{tab:Styles}`.

## V. CONCLUSION

Although reading these instructions may be (usually) an unnecessary experience if you use the provided template, we use them to put a complete example that will partially match the word template. Table I is just included as an example, and you do not need to modify measures in the provided template. Table I also illustrates a case when the double-column format should be violated. If you have comments or suggestions or are willing to volunteer some time to improve these instructions, do not hesitate to contact one of the Technical Program Committee members of LAMC ([www.lamc-ieee.org](http://www.lamc-ieee.org)).

## ACKNOWLEDGMENT

The LAMC Technical Program Committee members wish to acknowledge the support of IEEE MTT-S, since this template was prepared taking as a basis the IMS template for manuscripts.

## REFERENCES

- [1] S. M. Metev and V. P. Veiko, *Laser Assisted Microtechnology*, 2nd ed., R. M. Osgood, Jr., Ed. Berlin, Germany: Springer-Verlag, 1998.
- [2] J. Breckling, Ed., *The Analysis of Directional Time Series: Applications*

- to *Wind Speed and Direction*, ser. Lecture Notes in Statistics. Berlin, Germany: Springer, 1989, vol. 61.
- [3] S. Zhang, C. Zhu, J. K. O. Sin, and P. K. T. Mok, "A novel ultrathin elevated channel low-temperature poly-Si TFT," *IEEE Electron Device Lett.*, vol. 20, pp. 569–571, Nov. 1999.
- [4] M. Wegmuller, J. P. von der Weid, P. Oberson, and N. Gisin, "High resolution fiber distributed measurements with coherent OFDR," in *Proc. ECOC'00*, 2000, paper 11.3.4, p. 109.
- [5] R. E. Sorace, V. S. Reinhardt, and S. A. Vaughn, "High-speed digital-to-RF converter," U.S. Patent 5 668 842, Sep. 16, 1997.
- [6] (2015) The IEEE website. [Online]. Available: <http://www.ieee.org/>
- [7] M. Shell. (2015) IEEEtran webpage on CTAN. [Online]. Available: <http://www.ctan.org/pkg/ieeetran>
- [8] *FLEXChip Signal Processor (MC68175/D)*, Motorola, 1996.
- [9] "PDCA12-70 data sheet," Opto Speed SA, Mezzovico, Switzerland.
- [10] A. Karnik, "Performance of TCP congestion control with rate feedback: TCP/ABR and rate adaptive TCP/IP," M. Eng. thesis, Indian Institute of Science, Bangalore, India, Jan. 1999.
- [11] J. Padhye, V. Firoiu, and D. Towsley, "A stochastic model of TCP Reno congestion avoidance and control," Univ. of Massachusetts, Amherst, MA, CMPSCI Tech. Rep. 99-02, 1999.
- [12] *Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification*, IEEE Std. 802.11, 1997.