

RFIC Template in US Letter Page Size

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Abstract—This is the abstract section. After the abstract, you should list a few key words from the IEEE approved “Index Terms” that describe your paper. The index terms can be found at: http://www.ieee.org/organizations/pubs/ani_prod/keywd98.txt

Index Terms—Ceramics, coaxial resonators, delay filters, delay-lines, power amplifiers

I. INTRODUCTION

For your paper to be published in the conference proceedings, you must use this document as both an instruction set and as a template into which you can type your own text. If your paper does not conform to the required format, you will be asked to fix it.

Not all IEEE conferences use the same template. Please do not reuse your past papers as a template. To prepare your paper for submission, please always download a fresh copy of this template from the conference website and please read the format instructions in this template before you use it for your paper.

Conversion to PDF may cause problems in the resulting PDF or expose problems in your source document. Before submitting your final paper in PDF, check that the format in your paper PDF conforms to this template. Specifically, check the appearance of the title and author block, the appearance of section headings, document margins, column width, column spacing, and other features such as figure numbers, table numbers and equation number. In summary, you must proofread your final paper in PDF before submission.

II. PAGE LAYOUT

You must not reduce margins/font-sizes/spacing to meet page limit. You will be asked to fix these format problems if any such format deviations are detected.

A. Page Layout

Your paper must use a page size corresponding to US Letter which is 8.5" (215.9mm) wide and 11" (279.4mm) long.

The margins must be set as follows:

- Top = Bottom = 1.13" (28.7mm)
- Left = Right = 0.85" (21.6mm)

Your paper must be in two column format with a space of 0.25" (6.3mm) between columns.

TABLE I
REQUIRED FONT SIZES FOR PAPERS

Font Size	Appearance (in Times New Roman or Times)		
	regular	bold	<i>italic</i>
9	table caption, figure caption, reference item		reference item (partial)
9	cell in a table	abstract body, index terms body	abstract heading (also in bold), index terms heading (also in bold)
10	level-1 heading, paragraph, equation		level-2 heading, level-3 heading
12	author name, author affiliation, email address		
18	title		

III. PAGE STYLE

All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

A. Text Font of Entire Document

The entire document should be in Times New Roman or Times font. Type 3 fonts must not be used. Other font types may be used if needed for special purposes.

Required font sizes are shown in TABLE I.

B. Title and Author Details

Title must be in 18pt regular. Author names, author affiliations and email addresses must be in 12pt regular.

All title and author details must be in single-column format and must be centered.

Every word in a title must be capitalized except for short minor words such as “a”, “an”, “and”, “as”, “at”, “by”, “for”, “from”, “if”, “in”, “into”, “on”, “or”, “of”, “the”, “to”, “with”.

Author details must not show any professional title (e.g. Managing Director), any academic title (e.g. Dr.) or any membership of any professional organization (e.g. Senior Member IEEE).

To avoid confusion, the family name must be written as the last part of each author name (e.g. John A.K. Smith).

Each affiliation must include, at the very least, the name of the company and the name of the country where the author is based (e.g. Causal Productions Pty Ltd, Australia).

Email address is optional.

C. Section Headings

No more than 3 levels of headings should be used. All headings must be in 10pt font. Every word in a heading must be capitalized except for short minor words as listed in Section III-B.

1) *Level-1 Heading*: A level-1 heading must be in Small Caps, centered and numbered using uppercase Roman numerals. For example, see heading “III. Page Style” of this document. The two level-1 headings which must not be numbered are “Acknowledgment” and “References”.

2) *Level-2 Heading*: A level-2 heading must be in Italic, left-justified and numbered using an uppercase alphabetic letter followed by a period. For example, see heading “C. Section Headings” above.

3) *Level-3 Heading*: A level-3 heading must be indented, in Italic and numbered with an Arabic numeral followed by a right parenthesis. The level-3 heading must end with a colon. The body of the level-3 section immediately follows the level-3 heading in the same paragraph. For example, this paragraph begins with a level-3 heading.

D. Figures and Tables

Figures and tables must be centered in the column. Large figures and tables may span across both columns. Any table or figure that takes up more than 1 column width must be positioned either at the top or at the bottom of the page (e.g. Fig. 4).

Graphics can be in full color. All colors will be retained in the electronic version of the conference proceedings. Graphics must not use stipple fill patterns because they may not be reproduced properly. Please use only SOLID FILL colors which contrast well both on screen and on a black-and-white hardcopy, as shown in Fig. 1.

Fig. 2 shows an example of a low-resolution image which would not be acceptable, whereas Fig. 3 shows an example of an image with adequate resolution. Check that the resolution is adequate to reveal the important detail in the figure.

Please check all figures in your paper both on screen and on a black-and-white hardcopy. When you check your paper on a black-and-white hardcopy, please ensure that:

- the colors used in each figure contrast well,
- the image used in each figure is clear,
- all text labels in each figure are legible.

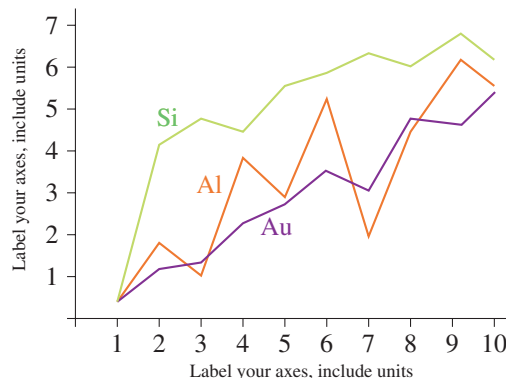


Fig. 1. A sample line graph using colors which contrast well both on screen and on a black-and-white hardcopy



Fig. 2. Example of an unacceptable low-resolution image



Fig. 3. Example of an image with acceptable resolution

TABLE II
MAIN PREDEFINED STYLES IN WORD

Style Name	Entities in a Paper
RFIC Title	title
RFIC Author Block	author name, author affiliation, email address
RFIC Abstract + Italic	abstract section heading, index terms section heading
RFIC Abstract	abstract body, index terms body
RFIC Heading 1	1st level section heading
RFIC Heading 2	2nd level section heading
RFIC Heading 3	3rd level section heading
RFIC Paragraph	paragraph
RFIC Figure Caption	figure caption
RFIC Table Caption	table caption
RFIC Ack Heading	acknowledgment section heading
RFIC Ref Heading	reference section heading
RFIC Reference Item	reference item

incompatible style file is latex8.sty. You must remove all such conflicting style files.

For the table caption to appear above the table, LaTeX users must place the table caption at the start of their table definition and before the table cells in their .tex file.

V. INFORMATION FOR WORD USERS ONLY

For ease of formatting, please use the styles listed in TABLE II. The styles are defined in this template file and are shown in the order in which they would be used when writing a paper.

When the heading styles in TABLE II are used, section numbers are no longer required to be typed in because they will be automatically numbered by WORD. Similarly, reference items will be automatically numbered by WORD when the “RFIC Reference Item” style is used.

Please also note that “SMALL CAPS” font effect is not the same as “ALL CAPS” font effect. You can select the desired font effect via the “Font” panel.

If your WORD document contains equations, you must not save your WORD document from “.docx” to “.doc” because when doing so, WORD will convert all equations to images of unacceptably low resolution.

VI. CONCLUSION

The version of this template is V2. Most of the formatting instructions in this document have been compiled by Causal Productions from the IEEE LaTeX style files. Causal Productions offers US Letter templates for LaTeX and Microsoft Word. The LaTeX templates depend on the official IEEEtran.cls and IEEEtran.bst files, whereas the Microsoft Word templates are self-contained.

Causal Productions has used its best efforts to ensure that the templates have the same appearance.

ACKNOWLEDGMENT

The heading of the Acknowledgment section and the References section must not be numbered.

Causal Productions wishes to acknowledge Michael Shell and other contributors for developing and maintaining the IEEE LaTeX style files which have been used in the preparation of this template. To see the list of contributors, please refer to the top of file IEEETran.cls in the IEEE LaTeX distribution.

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