Paper Title

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*Abstract*—**IEEE format requires you to provide an abstract at the beginning of your paper, followed by a list of keywords. In Microsoft Word, the "Styles" section has the necessary styles for all of the paper's sections and headings, which are already applied here. For example, the "abstract" style is used for this paragraph, and the "keywords" style for the following part. It is important to note that the titles "Abstract" and "Keyword" should remain italicized and followed by an em dash, as written here.**

It’s recommended to insert figures inside a text box. So your figure would go here (adjusting the text box to the appropriate size to match).

Keywords—template, IEEE, format

# This Is a Level 1 Heading

This is the beginning of the body text of your paper. You can use headings like the one above to organize your paper into sub-topics. Use level 1 headers first, then level 2 headings if you require further divisions inside them, and so on. Don't utilize a heading level until there are at least two of them. You are not required to include any headings if it does not make sense to divide your paper in that manner. Headings are automatically assigned appropriate numbers. You do not need to number them; simply ensure that each one has the appropriate heading style. Level 1 and 2 headers (together with the paper title) should be written in title case capitalization, however level 3 and 4 headings should be written in sentence case.

To start a new paragraph, use the Enter key. The required spacing and indentation are applied automatically.

## Level 2 Heading

### This is a 3 heading: Equations should be typed in Times New Roman or Symbol font, or, if the equation is multilayer, as a graphic embedded in your text. Number the equation in parenthesis on the far right of the line, and refer to it by that number in the text (1).

 *a**b* 

### Level 3 heading: Each page's body text is divided into two columns, written in 10 pt. Times New Roman, and justified (meaning the text is spaced so that the right edge lines up perfectly). This template automatically applies all of the relevant formatting. If something goes wrong, you can reapply it from the "styles" section of Word.

| Table Head | Table Column Head |
| --- | --- |
| Table column subhead | Subhead | Subhead |
| text | Texta |  |  |

#### This is a level 4 heading: It is recommended that you compose your text in a separate document and then upload it to this template once finished. When copying content into the template from another document, ensure that

1. This is a figure caption. It appears directly underneath the figure.

appropriate style is still applied to each section, reapplying styles if necessary.

#### Level 4 heading: he "bullet list" format can also be used to include bullet points as necessary:

* The word “data” should be used as plural, not singular.
* For example, “the data indicate that …”

## Level 2 Heading

Put any figures or tables you use at the top or bottom of a column. Do not arrange them in the center of a column. If the table or figure is especially wide, it can span both columns. Insert a table or figure after the first citation in the text.

When entering a figure, such as a photograph or infographic, use 8-point Times New Roman for any identifying text within the image as well as the figure caption. Figure 1 above shows an example of a figure caption. Refer to figures like that with the abbreviation "Fig." and the figure number.

A table header (written in the "table head" style) appears above a table. This will automatically number your table. Any footnotes are displayed below the table using the "table footnote" style. Footnotes are denoted by superscript lowercase letters in the table. Table I below shows an example of a table.

# Level 1 Heading

The "component heading" is another sort of heading that is used for non-main text components. These are often your acknowledgements and references, which you can see instances of below. The headings are not numbered. They can be styled correctly using the "Heading 5" style, which is identical to the "Heading 1" style but does not include numbers.

1. Table heading
2. This is a table footnote.

You can cite your references in text by putting the corresponding number in square brackets [1]. If you need to mention a specific section of the source, you can use a page number or a range.

##### Acknowledgments

As you can see, the formatting guarantees that the text ends in two equal-sized columns rather than just one on the final page.

This template was based on those offered by the IEEE on their own website.

##### References

1. D. V. Lindberg and H. K. H. Lee, “Optimization under constraints by applying an asymmetric entropy measure,” *J. Comput. Graph. Statist.*, vol. 24, no. 2, pp. 379–393, Jun. 2015, doi: 10.1080/10618600.2014.901225.
2. B. Rieder, *Engines of Order: A Mechanology of Algorithmic Techniques*. Amsterdam, Netherlands: Amsterdam Univ. Press, 2020.
3. I. Boglaev, “A numerical method for solving nonlinear integro-differential equations of Fredholm type,” *J. Comput. Math.*, vol. 34, no. 3, pp. 262–284, May 2016, doi: 10.4208/jcm.1512-m2015-0241.

**Make sure to remove all placeholder and explanatory text from the template when you add your own text. This text should not be here in the final version!**