

Paper Template for Speech Prosody 2024

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Abstract

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Index terms should be included as shown below.

Index Terms: speech recognition, human-computer interaction, computational paralinguistics

1. Introduction

This template can be found on the conference website. Templates are provided for Microsoft Word®, and L^AT_EX. However, we highly recommend using L^AT_EX when preparing your submission. Information for full paper submission is available on the conference website.

2. Page layout and style

Authors should observe the following rules for page layout. A highly recommended way to meet these requirements is to use a given template (Microsoft Word® or L^AT_EX) and check details against the corresponding example PDF file. Given templates, Microsoft Word® or L^AT_EX, can be adapted/imported easily in other software such as LibreOffice, Apple Pages, LuaL^AT_EX, and XeL^AT_EX, but please be careful to match the layout of the provided PDF example.

2.1. Basic layout features

- Proceedings will be printed in DIN A4 format. Authors must submit their papers in DIN A4 format.
- Two columns are used except for the title section and for large figures that may need a full page width.
- Left and right margin are 20 mm each.
- Column width is 80 mm.
- Spacing between columns is 10 mm.
- Top margin is 25 mm (except for the first page which is 30 mm to the title top).
- Bottom margin is 35 mm.
- Text height (without headers and footers) is maximum 235 mm.
- Headers and footers must be left empty.
- Check indentations and spacings by comparing to this example file (in PDF).

2.1.1. Headings

Section headings are centered in boldface with the first word capitalized and the rest of the heading in lower case. Sub-headings appear like major headings, except they start at the left margin in the column. Sub-sub-headings appear like sub-headings, except they are in italics and not boldface. See the examples in this file. No more than 3 levels of headings should be used.

2.2. Text font

Times or Times Roman font is used for the main text. Font size in the main text must be 9 points, and in the References section 8 points. Other font types may be used if needed for special purposes. It is VERY IMPORTANT that while making the final PDF file, you embed all used fonts! To embed the fonts, you may use the following instructions:

1. For Windows users, the bullzip printer can convert any PDF to have embedded and subsetted fonts.
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L^AT_EX users: users should use Adobe Type 1 fonts such as Times or Times Roman. These are used automatically by the INTERSPEECH2021.sty style file. Authors must not use Type 3 (bitmap) fonts.

2.3. Figures

All figures must be centered on the column (or page, if the figure spans both columns). Figure captions should follow each figure and have the format given in Figure 1.

Figures should be preferably line drawings. If they contain gray levels or colors, they should be checked to print well on a high-quality non-color laser printer.

Graphics (i.e., illustrations, figures) must not use stipple fill patterns because they will not reproduce properly in Adobe PDF. Please use only SOLID FILL COLORS.

Figures which span 2 columns (i.e., occupy full page width) must be placed at the top or bottom of the page.

2.4. Tables

An example of a table is shown in Table 1. The caption text must be above the table.

Table 1: *This is an example of a table*

| Ratio | Decibels |
|--------|-------------|
| 1/10 | -20 |
| 1/1 | 0 |
| 2/1 | ≈ 6 |
| 3.16/1 | 10 |
| 10/1 | 20 |
| 100/1 | 40 |
| 1000/1 | 60 |

2.5. Equations

Equations should be placed on separate lines and numbered. Examples of equations are given below. Particularly,

$$x(t) = s(f_\omega(t)) \quad (1)$$

where $f_\omega(t)$ is a special warping function

$$f_\omega(t) = \frac{1}{2\pi j} \oint_C \frac{\nu^{-1k} d\nu}{(1 - \beta\nu^{-1})(\nu^{-1} - \beta)} \quad (2)$$

A residue theorem states that

$$\oint_C F(z) dz = 2\pi j \sum_k \text{Res}[F(z), p_k] \quad (3)$$

Applying (3) to (1), it is straightforward to see that

$$1 + 1 = \pi \quad (4)$$

Finally we have proven the secret theorem of all speech sciences. No more math is needed to show how useful the result is!

2.6. Information for Word users only

For ease of formatting, please use the styles listed in Table 2. 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 2 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 “Reference” style is used.

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.

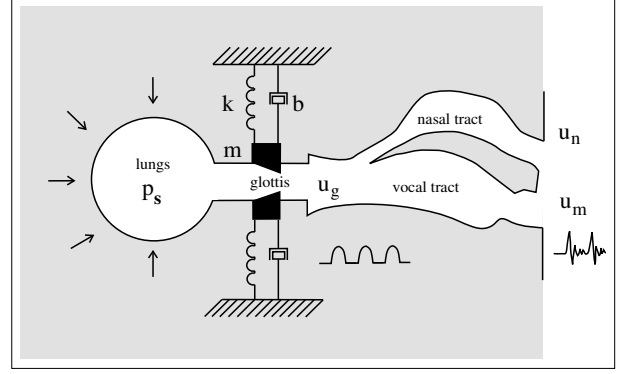


Figure 1: *Schematic diagram of speech production.*

Table 2: *Main predefined styles in Word*

| Style Name | Entities in a Paper |
|-----------------|--|
| Title | Title |
| Author | Author name (only in final PDF) |
| Affiliation | Author affiliation (only in final PDF) |
| Email | Email address (only in final PDF) |
| AbstractHeading | Abstract section heading |
| Body Text | First paragraph in abstract |
| Body Text Next | Following paragraphs in abstract |
| Index | Index terms |
| 1. Heading 1 | 1 st level section heading |
| 1.1 Heading 2 | 2 nd level section heading |
| 1.1.1 Heading 3 | 3 rd level section heading |
| Body Text | First paragraph in section |
| Body Text Next | Following paragraphs in section |
| Figure Caption | Figure caption |
| Table Caption | Table caption |
| Equation | Equations |
| • List Bullet | Bulleted lists |
| [1] Reference | References |

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For technical reasons, the proceedings editor will strip all active links from the papers during processing. Hyperlinks can be included in your paper, if written in full, e.g. “<http://www.foo.com/index.html>”. The link text must be all black. Please make sure that they present no problems in printing to paper.

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2.10. References

The reference format is the standard IEEE one. References should be numbered in order of appearance, for example [1], [2], [3, pp. 417–422], and [4].

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The total length of the abstract is limited to 200 words. The abstract included in your paper and the one you enter during web-based submission must be highly similar, with only minor revisions for the final paper. Avoid non-ASCII characters or symbols as they may not display correctly in the abstract book.

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3. Discussion

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4. Conclusions

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6. References

- [1] S. B. Davis and P. Mermelstein, "Comparison of parametric representation for monosyllabic word recognition in continuously spoken sentences," *IEEE Transactions on Acoustics, Speech and Signal Processing*, vol. 28, no. 4, pp. 357–366, Aug. 1980.

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- [3] T. Hastie, R. Tibshirani, and J. Friedman, *The Elements of Statistical Learning – Data Mining, Inference, and Prediction*. New York: Springer, 2009.
- [4] F. Lastname1, F. Lastname2, and F. Lastname3, "Title of your INTERSPEECH 2021 publication," in *Proceedings INTERSPEECH 2021 – 22th Annual Conference of the International Speech Communication Association*, Brno, Czech Republic, Aug./Sep. 2021, pp. 100–104.