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# Formatting Instructions For TSRML 2022

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Affiliation

Address

email

## Abstract

1 The abstract paragraph should be indented  $\frac{1}{2}$  inch (3 picas) on both the left- and  
2 right-hand margins. Use 10 point type, with a vertical spacing (leading) of 11 points.  
3 The word **Abstract** must be centered, bold, and in point size 12. Two line spaces  
4 precede the abstract. The abstract must be limited to one paragraph.

## 5 1 Submission of papers to TSRML 2022

6 Please read the instructions below carefully and follow them faithfully.

### 7 1.1 Style

8 Papers to be submitted to TSRML 2022 must be prepared according to the instructions presented here.  
9 Papers are recommended to have at most **six pages**, including figures. Additional pages *containing*  
10 *only acknowledgments and references* are allowed.

11 Authors are required to use the TSRML L<sup>A</sup>T<sub>E</sub>X style files obtainable at the TSRML website as indicated  
12 below. Please make sure you use the current files and not previous versions. Tweaking the style files  
13 may be grounds for rejection.

### 14 1.2 Retrieval of style files

15 The style files for TSRML and other workshop information are available on the World Wide Web at

16 <https://tsrml2022.github.io/>

17 The file `tsrml_2022.pdf` contains these instructions and illustrates the various formatting require-  
18 ments your TSRML paper must satisfy.

19 The only supported style file for TSRML 2022 is `tsrml_2022.sty`, rewritten for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. This  
20 style file is adapted from the style file of NeurIPS 2022.

21 The L<sup>A</sup>T<sub>E</sub>X style file contains three optional arguments: `final`, which creates a camera-ready copy,  
22 `preprint`, which creates a preprint for submission to, e.g., arXiv, and `nonatbib`, which will not  
23 load the `natbib` package for you in case of package clash.

24 **Preprint option** If you wish to post a preprint of your work online, e.g., on arXiv, using the TSRML  
25 style, please use the `preprint` option. This will create a nonanonymized version of your work with  
26 the text “Preprint. Work in progress.” in the footer. This version may be distributed as you see fit.  
27 Please **do not** use the `final` option, which should **only** be used for papers accepted to TSRML.

28 At submission time, please omit the `final` and `preprint` options. This will anonymize your  
29 submission and add line numbers to aid review. Please do *not* refer to these line numbers in your  
30 paper as they will be removed during generation of camera-ready copies.

31 The file `tsrml_2022.tex` may be used as a “shell” for writing your paper. All you have to do is  
32 replace the author, title, abstract, and text of the paper with your own.  
33 The formatting instructions contained in these style files are summarized in Sections 2, 3, and 4  
34 below.

## 35 **2 General formatting instructions**

36 The text must be confined within a rectangle 5.5 inches (33 picas) wide and 9 inches (54 picas) long.  
37 The left margin is 1.5 inch (9 picas). Use 10 point type with a vertical spacing (leading) of 11 points.  
38 Times New Roman is the preferred typeface throughout, and will be selected for you by default.  
39 Paragraphs are separated by  $\frac{1}{2}$  line space (5.5 points), with no indentation.

40 The paper title should be 17 point, initial caps/lower case, bold, centered between two horizontal  
41 rules. The top rule should be 4 points thick and the bottom rule should be 1 point thick. Allow  $\frac{1}{4}$  inch  
42 space above and below the title to rules. All pages should start at 1 inch (6 picas) from the top of the  
43 page.

44 For the final version, authors’ names are set in boldface, and each name is centered above the  
45 corresponding address. The lead author’s name is to be listed first (left-most), and the co-authors’  
46 names (if different address) are set to follow. If there is only one co-author, list both author and  
47 co-author side by side.

48 Please pay special attention to the instructions in Section 4 regarding figures, tables, acknowledgments,  
49 and references.

## 50 **3 Headings: first level**

51 All headings should be lower case (except for first word and proper nouns), flush left, and bold.

52 First-level headings should be in 12-point type.

### 53 **3.1 Headings: second level**

54 Second-level headings should be in 10-point type.

#### 55 **3.1.1 Headings: third level**

56 Third-level headings should be in 10-point type.

57 **Paragraphs** There is also a `\paragraph` command available, which sets the heading in bold, flush  
58 left, and inline with the text, with the heading followed by 1 em of space.

## 59 **4 Citations, figures, tables, references**

60 These instructions apply to everyone.

### 61 **4.1 Citations within the text**

62 The `natbib` package will be loaded for you by default. Citations may be author/year or numeric, as  
63 long as you maintain internal consistency. As to the format of the references themselves, any style is  
64 acceptable as long as it is used consistently.

65 The documentation for `natbib` may be found at

66 <http://mirrors.ctan.org/macros/latex/contrib/natbib/natnotes.pdf>

67 Of note is the command `\citet`, which produces citations appropriate for use in inline text. For  
68 example,

69 `\citet{hasselmo}` investigated\dots

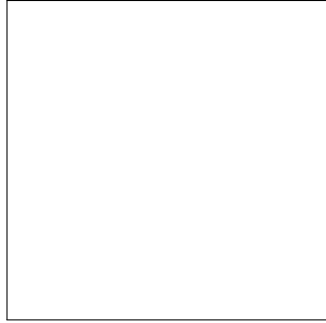


Figure 1: Sample figure caption.

70 produces

71 Hasselmo, et al. (1995) investigated. . .

72 If you wish to load the natbib package with options, you may add the following before loading the  
73 tsrml\_2022 package:

```
74 \PassOptionsToPackage{options}{natbib}
```

75 If natbib clashes with another package you load, you can add the optional argument nonatbib  
76 when loading the style file:

```
77 \usepackage[nonatbib]{tsrml_2022}
```

78 As submission is double blind, refer to your own published work in the third person. That is, use “In  
79 the previous work of Jones et al. [4],” not “In our previous work [4].” If you cite your other papers  
80 that are not widely available (e.g., a journal paper under review), use anonymous author names in the  
81 citation, e.g., an author of the form “A. Anonymous.”

## 82 4.2 Footnotes

83 Footnotes should be used sparingly. If you do require a footnote, indicate footnotes with a number<sup>1</sup>  
84 in the text. Place the footnotes at the bottom of the page on which they appear. Precede the footnote  
85 with a horizontal rule of 2 inches (12 picas).

86 Note that footnotes are properly typeset *after* punctuation marks.<sup>2</sup>

## 87 4.3 Figures

88 All artwork must be neat, clean, and legible. Lines should be dark enough for purposes of reproduction.  
89 The figure number and caption always appear after the figure. Place one line space before the figure  
90 caption and one line space after the figure. The figure caption should be lower case (except for first  
91 word and proper nouns); figures are numbered consecutively.

92 You may use color figures. However, it is best for the figure captions and the paper body to be legible  
93 if the paper is printed in either black/white or in color.

## 94 4.4 Tables

95 All tables must be centered, neat, clean and legible. The table number and title always appear before  
96 the table. See Table 1.

97 Place one line space before the table title, one line space after the table title, and one line space after  
98 the table. The table title must be lower case (except for first word and proper nouns); tables are  
99 numbered consecutively.

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<sup>1</sup>Sample of the first footnote.

<sup>2</sup>As in this example.

Table 1: Sample table title

Part		
Name	Description	Size ( $\mu\text{m}$ )
Dendrite	Input terminal	$\sim 100$
Axon	Output terminal	$\sim 10$
Soma	Cell body	up to $10^6$

100 Note that publication-quality tables *do not contain vertical rules*. We strongly suggest the use of the  
 101 `booktabs` package, which allows for typesetting high-quality, professional tables:

102 `https://www.ctan.org/pkg/booktabs`

103 This package was used to typeset Table 1.

## 104 5 Final instructions

105 Do not change any aspects of the formatting parameters in the style files. In particular, do not modify  
 106 the width or length of the rectangle the text should fit into, and do not change font sizes (except  
 107 perhaps in the **References** section; see below). Please note that pages should be numbered.

## 108 6 Preparing PDF files

109 Please prepare submission files with paper size “US Letter,” and not, for example, “A4.”

110 Fonts were the main cause of problems in the past years. Your PDF file must only contain Type 1 or  
 111 Embedded TrueType fonts. Here are a few instructions to achieve this.

- 112 • You should directly generate PDF files using `pdflatex`.
- 113 • You can check which fonts a PDF files uses. In Acrobat Reader, select the menu  
 114 Files>Document Properties>Fonts and select Show All Fonts. You can also use the program  
 115 `pdf fonts` which comes with `xpdf` and is available out-of-the-box on most Linux machines.
- 116 • The IEEE has recommendations for generating PDF files whose fonts are also ac-  
 117 ceptable for NeurIPS. Please see [http://www.emfield.org/icuwb2010/downloads/](http://www.emfield.org/icuwb2010/downloads/IEEE-PDF-SpecV32.pdf)  
 118 `IEEE-PDF-SpecV32.pdf`
- 119 • `xfig` "patterned" shapes are implemented with bitmap fonts. Use "solid" shapes instead.
- 120 • The `\bbold` package almost always uses bitmap fonts. You should use the equivalent AMS  
 121 Fonts:

122 `\usepackage{amsfonts}`

123 followed by, e.g., `\mathbb{R}`, `\mathbb{N}`, or `\mathbb{C}` for  $\mathbb{R}$ ,  $\mathbb{N}$  or  $\mathbb{C}$ . You can also  
 124 use the following workaround for reals, natural and complex:

```
125 \newcommand{\RR}{\mathbb{R}} %real numbers
126 \newcommand{\Nat}{\mathbb{N}} %natural numbers
127 \newcommand{\CC}{\mathbb{C}} %complex numbers
```

128 Note that `amsfonts` is automatically loaded by the `amssymb` package.

129 If your file contains type 3 fonts or non embedded TrueType fonts, we will ask you to fix it.

### 130 6.1 Margins in L<sup>A</sup>T<sub>E</sub>X

131 Most of the margin problems come from figures positioned by hand using `\special` or other  
 132 commands. We suggest using the command `\includegraphics` from the `graphicx` package.  
 133 Always specify the figure width as a multiple of the line width as in the example below:

134 `\usepackage[pdftex]{graphicx} ...`  
135 `\includegraphics[width=0.8\linewidth]{myfile.pdf}`

136 See Section 4.4 in the graphics bundle documentation ([http://mirrors.ctan.org/macros/](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf)  
137 [latex/required/graphics/grfguide.pdf](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf))

138 A number of width problems arise when L<sup>A</sup>T<sub>E</sub>X cannot properly hyphenate a line. Please give LaTeX  
139 hyphenation hints using the `\-` command when necessary.

## 140 **References**

141 References follow the acknowledgments. Use unnumbered first-level heading for the references. Any  
142 choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font  
143 size to `small` (9 point) when listing the references. Note that the Reference section does not count  
144 towards the page limit.

145 [1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In  
146 G. Tesauro, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp.  
147 609–616. Cambridge, MA: MIT Press.

148 [2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the*  
149 *GENeral NEural Simulation System*. New York: TELOS/Springer-Verlag.

150 [3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent  
151 synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.

## 152 **A Appendix**

153 Optionally include extra information (complete proofs, additional experiments and plots) in the  
154 appendix. This section will often be part of the supplemental material.