
Formatting Instructions for NeurIPS 2019 Workshop on Machine Learning for Autonomous Driving

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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 ML4AD 2019

6 The NeurIPS 2019 workshop on Machine Learning for Autonomous Driving (ML4AD) requires
7 electronic submissions. The electronic submission site is

8 <https://cmt3.research.microsoft.com/ML4AD2019>

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

10 **1.1 Style**

11 Papers to be submitted to ML4AD 2019 must be prepared according to the instructions presented
12 here. Papers may be four or eight pages long, including figures. Additional pages *containing only*
13 *acknowledgments and/or cited references* are allowed.

14 **1.2 Retrieval of style files**

15 The style files for ML4AD and other conference information are available on the World Wide Web at

16 <https://ml4ad.github.io/#submit>

17 The file `neurips_2019_ml4ad.pdf` contains these instructions and illustrates the various formatting
18 requirements your NeurIPS paper must satisfy.

19 The only supported style file for ML4AD is `neurips_2019_ml4ad.sty`, rewritten for $\text{\LaTeX} 2\epsilon$.
20 **Previous style files for \LaTeX 2.09, Microsoft Word, and RTF are no longer supported!**

21 The \LaTeX 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
25 NeurIPS style, please use the `preprint` option. This will create a nonanonymized version of your
26 work with the text “Preprint. Work in progress.” in the footer.

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

30 The file `neurips_2019_ml4ad.tex` may be used as a “shell” for writing your paper. All you have
31 to do is replace the author, title, abstract, and text of the paper with your own.

32 The formatting instructions contained in these style files are summarized in Sections 2, 3, and 4
33 below.

34 **2 General formatting instructions**

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

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

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

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

49 **3 Headings: first level**

50 All headings should be lower case (except for first word and proper nouns), flush left, and bold.
51 First-level headings should be in 12-point type.

52 **3.1 Headings: second level**

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

54 **3.1.1 Headings: third level**

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

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

58 **4 Citations, figures, tables, references**

59 These instructions apply to everyone.

60 **4.1 Citations within the text**

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

64 The documentation for `natbib` may be found at

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

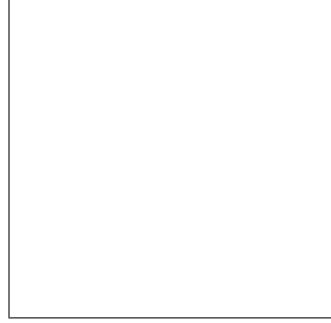


Figure 1: Sample figure caption.

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

68 `\citet{hasselmo} investigated\dots`

69 produces

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

71 If you wish to load the `natbib` package with options, you may add the following before loading the
72 `neurips_2019` package:

73 `\PassOptionsToPackage{options}{natbib}`

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

76 `\usepackage[nonatbib]{neurips_2019_ml4ad}`

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

81 **4.2 Footnotes**

82 Footnotes should be used sparingly. If you do require a footnote, indicate footnotes with a number¹
83 in the text. Place the footnotes at the bottom of the page on which they appear. Precede the footnote
84 with a horizontal rule of 2 inches (12 picas).

85 Note that footnotes are properly typeset *after* punctuation marks.²

86 **4.3 Figures**

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

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

93 **4.4 Tables**

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

¹Sample of the first footnote.

²As in this example.

Table 1: Sample table title

Part		
Name	Description	Size (μm)
Dendrite	Input terminal	~ 100
Axon	Output terminal	~ 10
Soma	Cell body	up to 10^6

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

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

101 <https://www.ctan.org/pkg/booktabs>

102 This package was used to typeset Table 1.

103 5 Final instructions

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

107 6 Preparing PDF files

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

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

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

121 `\usepackage{amsfonts}`

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

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

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

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

129 **6.1 Margins in L^AT_EX**

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

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

135 See Section 4.4 in the `graphics` bundle documentation (<http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf>)

137 A number of width problems arise when L^AT_EX cannot properly hyphenate a line. Please give LaTeX
138 hyphenation hints using the `\-` command when necessary.

139 **Acknowledgments**

140 Use unnumbered third level headings for the acknowledgments. All acknowledgments go at the end
141 of the paper. Do not include acknowledgments in the anonymized submission, only in the final paper.

142 **References**

143 References follow the acknowledgments. Use unnumbered first-level heading for the references. Any
144 choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font
145 size to `small` (9 point) when listing the references.

146 [1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In
147 G. Tesauro, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp.
148 609–616. Cambridge, MA: MIT Press.

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

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