Formatting Instructions for NIPS*99

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Abstract

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

1 Submission of papers to NIPS*99

NIPS is modifying its submission procedure, in the process of migrating to an electronic submission system. THE SUBMISSION PROCESS IS DIFFERENT FROM THE ONE USED IN THE PAST. This year we require BOTH electronic and hard copy submissions. Please read carefully the instructions below, and follow them faithfully. Your collaboration is greatly appreciated, as it will help us through the implementation of a new system that will become fully electronic for NIPS*2000.

Papers to be submitted to NIPS*99 must be prepared according to the instructions presented here. Papers may be only up to SEVEN pages long, including figures and references. This is a strict upper bound. Papers that exceed seven pages will not be reviewed, or in any other way considered for presentation at the conference.

Authors are required to use the NIPS LaTeX style files obtainable either at the NIPS website or by anonymous FTP, as indicated below. THE STYLE FILES HAVE BEEN UPDATED; please make sure that you use the current ones and not previous versions.

HARD-COPY SUBMISSION: A complete hard-copy submission consists of FOUR copies of the paper, accompanied by a front page that must specify (1) name,

[*] Use footnote for providing further information about author (webpage, alternative address) – NOT for acknowledging funding agencies.

physical address, and email address of all authors; (2) the name of the author to whom correspondence should be addressed; (3) the category to which the paper is being submitted, chosen among the nine major categories listed below; (4) the authors' preference, if any, for oral or poster presentation (this preference will play no role in paper acceptance); and (5) whether the work, or any substantial part thereof, has been submitted to or presented at any other scientific conference.

Hard-copy submissions must be mailed to:

Todd K. Leen
NIPS*99 Program Chair
Department of Computer Science and Engineering
Oregon Graduate Institute of Science & Technology
20000 N.W. Walker Rd.
Beaverton, OR 97006, USA

ELECTRONIC SUBMISSION: In addition to mailing four hard copies, you MUST enter your submission in the Electronic Submission Form available at the NIPS website listed below. This will be your PRIMARY submission, and the Electronic Submission Form must be completed in all cases. You will be asked to enter paper title, name of all authors, category, oral/poster preference, and data about the contact author (name, full address, telephone, fax, and email). You will also be able to upload an electronic (postscript or pdf) version of your paper. You MUST mail four hard copies of your paper to Todd Leen, the NIPS*99 Program Chair, even if you succeed at uploading the electronic version of your paper during electronic submission.

SUBMISSION DEADLINE: ELECTRONIC SUBMISSIONS MUST BE LOGGED BY MAY 21, 1999, AND HARD COPIES MUST BE RECEIVED BY THE SAME DATE. Hard copy submissions mailed from within the USA via first class mail will be accepted if postmarked on or

before May 18, 1999.

1.1 Retrieval of style files

The style files for NIPS, the Electronic Submission Page, and other conference information are available on the World Wide Web at

http://www.cs.cmu.edu/Web/Groups/NIPS

Copies of the style files are also available via anonymous ftp at

ftp.cs.cmu.edu (128.2.206.173) in /afs/cs/Web/Groups/NIPS/formatting

The file `nips.ps` contains these instructions and illustrates the various formatting requirements that your NIPS paper must satisfy. LaTeX users can choose between two style files: `nips99.sty` (to be used with LaTeX version 2.09) and `nips99e.sty` (to be used with LaTeX2e). The file `nips99.tex` may be used as a "shell" for writing your paper. All you have to do is replace the author, title, abstract, and text of the paper with your own. The file `nips99.rtf` is provided for MS Word users.

The formatting instructions contained in these style files are summarized in sections **??**, **??**, and **??** below.

1.2 Categories for paper submission

Your NIPS paper can be submitted to any of the following nine categories:

```
Algorithms and Architectures
Applications
Cognitive Science/Artificial Intelligence
Implementations
Neuroscience
Reinforcement Learning and Control
Speech and Signal Processing
Theory
Visual Processing
```

A description of each category (by examples) can be found in the Call for Papers at the NIPS website (http://www.cs.cmu.edu/Web/Groups/NIPS).

2 General formatting instructions

The text must be confined within a rectangle 5 inches (30 picas) wide and 8.25 inches (49.5 picas) long. The left margin is 1.75 inches (10.5 picas). Use 10 point type with a vertical spacing of 11 points. Times Roman is the preferred typeface throughout. One-half line space between paragraphs, with no indent.

Paper title is 17 point, initial caps/lower case, bold, centered between 2 horizontal rules. Top rule is 4 points thick and bottom rule is 1 point thick. Allow 1/4 inch space above and below title to rules. The first rule is 1.1 inches (6.6 picas) from the top of the page. Subsequent pages should start at 1 inch (6 picas) from the top of the page.

Authors' names are set in boldface, and each name is centered above the corresponding address. The lead author's name is to be listed first (left-most), and the co-authors' names (if different address) are set to follow. If only one co-author, list both author and co-author side by side.

Please pay special attention to the instructions in section **??** regarding figures, tables, acknowledgments, and references.

3 Headings: first level

First level headings are lower case (except for first word and proper nouns), flush left, bold and in point size 12. One line space before the first level heading and 1/2 line space after the first level heading.

3.1 Headings: second level

Second level headings are lower case (except for first word and proper nouns), flush left, bold and in point size 10. One line space before the second level heading and 1/2 line space after the second level heading.

3.1.1 Headings: third level

Third level headings are lower case (except for first word and proper nouns), flush left, bold and in point size 10. One line space before the third level heading and 1/2 line space after the third level heading.

4 Citations, figures, tables, references

These instructions apply to everyone, regardless of the formatter being used.

4.1 Citations within the text

Citations within the text should be numbered consecutively. The corresponding number is to appear enclosed in square brackets, such as [1] or [2]-[5]. The corresponding references are to be listed in the same order at the end of the paper, in the **References** section. Any standard reference style is acceptable, as long as it is used consistently.

4.2 Footnotes

Indicate footnotes with a number[1] in the text. Place the footnotes at the bottom of the page on which they appear. Precede the footnote with a horizontal rule of 2 inches (12 picas).[2]

4.3 Figures

All artwork must be neat, clean, and legible. Lines should be dark enough for purposes of reproduction; art work should not be hand-drawn. Figure number and caption always appear after the figure. Place one line space before the figure caption, and one line space after the figure. The figure caption is lower case (except for first word and proper nouns); figures are numbered consecutively.

Make sure that the figure caption does not get separated from the figure. Leave sufficient space to avoid splitting the figure and figure caption.

Figure 1: Sample figure caption

4.4 Tables

All tables must be centered, neat, clean and legible. Do not use hand-drawn tables. Table number and title always appear before the table. See Table **??**.

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

[1]Sample of the first footnote
[2]Sample of the second footnote

Table 1: Sample table title

PART	DESCRIPTION
Dendrite	Input terminal
Axon	Output terminal
Soma	Cell body (contains cell nucleus)

5 Final instructions

Do not change ANY aspects of the formatting parameters in the style files. In particular: do not modify the width or length of the rectangle that the text should fit into, and do not change font sizes (except perhaps in the **References** section; see below). Leave pages unnumbered.

For submission purposes, and to save on trees, papers can be printed double-sided. Please staple together each copy of your paper, separately from the other copies.

Acknowledgments

Use unnumbered third level headings for the acknowledgments. All acknowledgments go at the end of the paper.

References

References follow the acknowledgments. Use unnumbered third level heading for the references. Any choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font size to 'small' when listing the references.

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

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

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