

Advanced Neural Networks Final Paper Guidelines

DUE: midnight, Sunday 9 December 2018 by email:
tcaudell@unm.edu

Papers submitted after this deadline will not be graded.

Literature Based Research Paper Guidelines:

File name: Embed your last name in the file name. Example: Smith.pdf

Length: Maximum 10 pages including figures and references, not including any appendices.

File format: one PDF file including all appendices

Paper format: 1" margins all around, single column, left justified,
page numbers centered at bottom of every page.

Figures and tables: embedded in text with captions and titles

Body font: 12 point Times

Headings font: 14 points Times

Example: 1.0 Introduction

Sub headings style: 12 points Times, italics.

Example: 1.1 *Details in Introduction*

1.1.1 *Finer details in Introduction*

Line & paragraph spacing: 1.5 (between single and double)

Section 1.0 starts on same page as title and abstract.

Direct quotations of any form are not permitted.

Number of papers to review: a minimum of three papers.

Note about the use of appendices: Use these to include more detail on methods or data, but do not consider them as required for the reader to understand the main flow of your paper, results and conclusions.

Note: Papers that violate any of these guidelines will not be read.

Content and structure:

"Title" <- 18 point, bold, centered

Author <- 14 Point, centered

Affiliation <- 14 Point, centered

email <- 12 Point, centered

Abstract (<200 words), title centered. Body left justified, single spaced.

1. Introduction <- 14 point, bold headings, numbered

- start broad then focus
- what is the general area you are writing about
- what is the specific area
- why is this important
- what follows in this paper

2. Approaches in the Literature

- list papers to be reviewed
- why did you pick these papers
- description of each paper
- summarize their approaches the problem
- describe their algorithms or methods they used

3. Results in the Literature

- JUST THE OBJECTIVE FACTS, no interpretation or opinions
- what application domains did they address
- where did their data come from
- where did their models come from
- what analysis did they perform
- what were their inputs/outputs/parameters
- what computer hardware was used
- what software was used
- what error analysis was used
- what were their results and conclusions

4. Discussion

- express your considered opinions and interpretations in this section
- discuss the papers as a group
- compare and contrast their methods and results
- point out specific strengths and weaknesses
- discuss how the studies connect to the problem statement in the Intro.

5. Summary and Conclusion

- the area
- the problem
- the papers reviewed
- their solutions
- in your opinion, what was right/wrong with their work
- future work that occurs to you
- conclusion

6. Acknowledgements

- someone must have helped in some way
- mentors, funding agencies, centers, departments

7. References

- I expect you to have many references
- use them freely in the text
- always reference other's work
- cite using bracketed numbers in text. For example: "... and the neuron is active [2]..."
- number in the order they appear in the paper.
- any standard citation format is OK in this section.

Appendices

- Number these A1, A2,...
- Any appendices included must be cited in the body of the paper.
- No length restrictions for the Appendices.