

395T Visual Recognition and Search

Spring 2008

Reviewing paper drafts

Submit your feedback directly to the proposal authors via email by Wed April 23. Also please cc me (grauman@cs.utexas.edu).

To review the paper, please consider the extent to which it answers the questions given in the paper guidelines. The primary goal is to provide constructive comments, and, as an outside reader, to help the authors identify points that need to be clarified.

Please answer the following questions in your review.

1. What is the main idea and goal? Summarize it in your own words.
2. Do the abstract and introduction state the main ideas in ways that encourage the reader to read on?
3. How well is previous work and background on the problem described in the paper?
4. How does this project relate to previous work? Is the relationship clearly explained in the paper? If not, specify which points are unclear regarding novelty, or where existing methods are being used.
5. Is the description of the technical approach self-contained? Can you roughly imagine sitting down and implementing what the authors have done based on their description? What parts if any seem fuzzy?
6. Is the approach taken technically sound? Are any assumptions left unstated?
7. What are the main conclusions one can make from the experimental results?
8. Do the authors spell out those conclusions and adequately discuss the meaning of what they've observed?
9. Do the experiments the authors have chosen to run illustrate the most important aspects of the approach? Do the datasets used fit the task at hand? Are there any obvious baselines that are omitted?
10. How convincing are the results?
11. Any additional comments to the author(s).

Project papers

[The following content is repeated from a previous handout posted on Course Docs.]

Please submit both as hardcopy and via email. The content of the project paper should address all of the following in detail:

Abstract. Summarize the problem and main idea of the project. Include a very brief description of the main result.

Background and related work. Provide a thorough description of the background material. Compare and contrast the most related work with your approach. Depending on your project choice, the relevant work is not necessarily limited to papers on our syllabus. This is an important part of the paper; please include all relevant details.

Technical approach. What representations and algorithms did you explore? Describe existing techniques you employed, and/or any new ideas you have proposed. Describe the method's input and output clearly, and directly state any assumptions you have made. The description of technical details should be self-contained, and essentially should not require referencing outside sources for your points to be clear. Give enough detail that another student in our class would be able to read your paper and implement your approach, with confidence that he/she was following your procedure very closely.

Experimental results. What experiments did you run to evaluate the idea? What is the main purpose of each experiment, and what can you conclude from the results? Can you make any comparisons with alternative approaches? Provide figures and examples as appropriate. Also comment briefly on what software, libraries, datasets, etc. you used. The analysis and your interpretation of the results are most important for this part of the paper. Be sure to answer not only what you did, but also why, and what the outcomes indicate.

Conclusions. Summarize your approach and experimental findings.

Future work. What are natural next steps if you were to proceed along this direction of research? What questions are not fully answered by your experiments?

Use these Latex templates to make the document.

- tgz: <http://vision.eecs.ucf.edu/authorkit/cvprkit.tgz>
- zip: <http://vision.eecs.ucf.edu/authorkit/cvprkit.zip>

How long should the paper be? That will of course depend on your project, the amount of necessary figures, etc. On average I would expect 8 to 10 pages to be about right if using the templates above.

Rough drafts are due April 18. In order to benefit from the review process, this draft should be fairly complete. Final drafts are due May 2.

The projects and proposals account for 45% of the course grade. Papers and in-class presentations on the work will be evaluated on the following aspects:

- Organization and clarity
- Experimental design
- Analysis of the results, discussion in paper
- Coverage of related work
- Creativity