

ECE 493/693
Fall 2004
Final/Writing Assignment

Task: Write a paper on how the structure of algorithms affects scalability

Draft Due: Monday, November 29, 2004
Due: Wednesday, December 8, 2004

Details:

Write a well formed technical paper that discusses how the structure of algorithms affects their scalability on parallel systems. The paper should bring together elements of everything we have learned this semester. You must use all of your projects as examples, including data from executing the programs on the cluster.

Your paper must be properly formed with introduction, thesis, supporting facts, details, conclusions, etc. Your paper should be organized by first stating the purpose of the paper, your hypothesis, and how you intend to support your hypothesis. Then it should provide adequate background, present the primary argument, present supporting data, and finally draw conclusions. Of particular interest is whether or not theoretical expectations are born out by the actual results.

Your paper must be formatted as follows:

Typed (printed) 1-sided 12pt with 1 inch margins all around in an appropriate font (Times, Helvetica, etc.). Double spaced with figures at the top of pages or on a separate page and near the first reference. External sources must be properly cited. Papers are expected to be 6-10 pages in length, but they must use as much or as little spaces as needed to properly complete the task. Incomplete papers will be penalized regardless of length as will papers with significant amounts of unrelated verbiage.

Drafts must be turned in as scheduled. Drafts will be evaluated primarily for structure, thus it is important that the hypothesis, supporting points, and their sub-structure be highlighted (either manually or with your work processor) and that the whole paper at least be roughly outlined with enough detail. The draft will not be proofed for spelling, typos, and simple grammatical errors although extensive readability problems will be noted.

During the time that drafts are being evaluated it is expected that students will continue to work on their final version, though drafts will be returned as soon as possible.