Multicore Processors: Architecture & Programming  
Report 3: Design and Experiments

Now that you have the skeleton of a paper and you have already filled some sections, it is time to move to the next step. You already know your problem definition quite well, and you have already put some time thinking about how to solve it. So, in this part of the project, you will put in words your design and you will tell us how you will do your experiments to show that your proposed solution works, does not work, or works in some cases and not in others.

The parts in green below have already been done. We will add to them in that part of the project. The parts that you should add are colored in red below.

- Abstract
- Introduction
- Literature survey
- **Proposed Idea:** This is a major part of this report. Here you must describe in great details the solution to the problem at hand. For example, if you are parallelizing something, you must explain how you did that and justify your choices. If you are comparing things, you must specify what the criteria of comparison is/are and why you picked them; and so on…
- **Experimental Setup:** Here you will fill the gaps from the previous report and must mention the simulator you will use (if any), the benchmarks (if any), etc, with references whenever possible. You must put all the details that allow other researchers to replicate your experiments.
- **Experiments and Discussion:** This section is an ongoing process. That is, you will fill it up this time and on the next part too. Here you must specify two main things (better put them in tables, bullets, figures, diagrams instead of just writing paragraphs)
  - What is the measure of success in your work? That is, what do you need to measure and what are you expecting the results to be, in order to say that you succeeded?
  - What are the experiments that you will do in order to get the measures you mentioned in the above bullet?
- **Conclusion:** Leave it empty this time.
- **Future Work:** Remove from that section the work that you will do in the experiments above.
- **References:** You can add more references here if you checked them to design your solution of prepare your experiments.

  **Good Luck Folks!**