Assignment Instructions

Goal

Goal of the assignment is to show that students not only understood the theory behind some given protocol/algorithm studied in theory classes, but are also able to implement it with some of the tools shown during laboratories.

What to do

KIND 1: Theory Validation Assignment

1. Implement your favorite protocol with any of the tools shown during laboratories (but also others if you prefer so)
2. Set up a simulation framework or testbench
3. Collect measurements this way proving/validating some known theory about the chosen protocol
4. WRITE the FINAL REPORT :)

KIND 2: Proof of Concept Assignment

You may choose to implement some more complex protocol, for some reason not suitable for a performance evaluation, providing this way a sort of a "Proof of Concept." In this case the actions list becomes:

1. As before
2. Prepare a DEMO to show all the clever details of your implementation
3. WRITE the FINAL REPORT :)

Some more rules and recommendations

- Students can work alone or in groups of 2 or maximum 3 classmates.
- First thing to do: build the working groups and chose the assignment topic
- Once you are ready, write me an email or stop by after lab to get my approval about the chosen protocol/assignment
- You can ask me an early feedback (and early, not final evaluation) at anytime
- You must have completed your assignment before doing the oral examination. Be aware that I need at least 1 week for evaluating your final deliverable, therefore, let both me

and prof. Montresor be aware of when you plan to do the exam and deliver your code and report well in advance

Agenda (Recap)

1. Build working groups
2. Chose assignment topic and get instructor approval
3. Work!
4. Submit final report with the related code (with instructions for running it)

Good luck! :)