OppWireless Project Status Report

Period: Q1 2010

1. Major accomplishments
2. Milestones achieved

S2.a Experiment design document v. 1.0

1. Deliverables made

Experiment design document v. 1.0.

1. Description of work performed during last quarter
2. Activities and findings
3. We checked the documents on the GENI wiki web site and talked with some members of the CMU wireless emulator team, and concluded that the emulator is not appropriate for our experiments for the following major reasons.
   1. The implementation of ProtoGENI for the emulator is behind schedule.
   2. The emulator only provides a small number of nodes and has no plan to expand in the near future, which does not meet the requirements of our experiments.
4. We discussed with the ORBIT group and overviewed the materials on the ORBIT project web site, and decided to use the ORBIT testbed (with the OMF interface) for our experiments. The main reasons are
   1. The ORBIT testbed has 400 nodes, enough to facilitate our experiments.
   2. The project has well-defined documents on OMF.
5. We attended GEC 7.
6. A postdoctoral researcher was hired in early February. However, he left to join industry two weeks later and the research activity was interrupted. We did another round of interviews and admitted another postdoc, and were in the process of applying H1B visa for him. He is expected to start in June.
7. A PI account has been applied and approved to use the ORBIT testbed.
8. Project participants

Jiang Li (PI)

1. Publications (individual and organizational)

None.

1. Outreach activities

None.

1. Collaborations

None (other than the discussion with the CMU wireless emulator team and the ORBIT team).

1. Other Contributions

None.