

sdmay19-04: Open-Source Prototyping of 5G Wireless Systems for Smart Ag, Autonomous Veh
Week 10 Report
November 24 - December 7

Team Members

Anthony Benson — *Chief Engineer: OAI Simulations*

Hye-Sung Moon — *Chief Engineer: Hardware Systems/SUMO Simulations, Client/Adviser Liaison*

Jaime Zetina — *Engineer: Hardware Systems Testing, Report Manager*

Jared Gorton — *Engineer: Software Systems Testing*

Khanh Luu — *Chief Engineer: SUMO Simulations, Client/Adviser Liaison*

Ted Miller — *Engineer: Software Systems Testing, Meeting Scribe*

Summary of Progress this Report

- 1) We have now finished the first semester of senior design.
 - a. We have accomplished our goals thus far according to our roadmap and mile stones.
 - 2) We have completed both project plan and document design.
 - a. We are satisfied with the progress we have made both on the development of the project and the progress we have made as a team learning to work together. Our ability to work as a team has allowed us to be successful thus far.
 - 3) We have run OAI base simulations on our ETG server.
 - a. We have had difficulty running simulations of one eNB and one UE.
 - b. We think it maybe a setting in the operating environment.
 - c. We need to fix this issue before moving forward.
 - 4) We completed our presentation.
 - 5) We have clearly set our goals for next semester.
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Pending Issues

- 1) We have had initial delays in running OAI on our ETG server
 - 2) SUMO Maps need to be integrated into OAI
 - 3) OAI code needs to be reviewed and understood enough to integrate our CPS algorithm
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Plans for Upcoming Reporting Period

- 1) We will have a winter break and pick up with our next semester plan.
 - a) we will begin reporting then.
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Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Anthony Benson	Finalized Design Document and Project Plan. Created final presentation slides and decided on speaking roles. Studying OAI source code.	10	81
Hye-Sung Moon	Finalized the Design Document and Project Plan. We discuss the details and specifications with Professor Zhang who is our adviser. Finished the Presentation Slides and rehearsal and practice the presentation with a team.	10	128
Jaime Zetina	Finished all assigned documents and presentation Slides along with a rehearsal of the presentation with the team. Participated in all group meetings. Help team members anywhere there was need. Revised weekly reports for accuracy.	10	122
Jared Gorton	Worked on cleaning up minor details of status reports and design document over Thanksgiving break. Group meeting on Wednesday working on project plan and presentation. initialed the install of operating environment for OAI on the ETG server.	6	78
Khanh Luu	Group meeting on Wednesday 11/28 @900. Group meeting on Sunday 12/02 @1730. Group meeting on Monday 12/03 @1400. Group meeting Tuesday 12/04 @1400. Finishing Design Document and Project Plan. Meeting with advisor 11/30 @ 1500. Practicing on Presentation. Updating Website	12	85
Ted Miller	Worked on the design document and project plan with the rest of the group. Worked on the presentation with the rest of the group. Had another meeting with the group and worked on the project documents for a few hours. Then had an additional meeting over the presentation.	7	112

Gitlab Activity Summary

Nothing to report.
