

Senior Design Bi-Weekly Status Report; Fall 2020

Team Name: sdmay21-13

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Report Period: Oct 19-Nov 1

Summary of Progress in this Period

Continued working with the OAI simulation software.

Reviewed the design document with TA to prepare it for faculty panel presentation.

Began working with Paparazzi UAV simulation. Started to get used to how the simulation runs. This process will be continued into the future.

Pending Issues

Need to restart Remote PC, as it seems to have been disconnected at some point.

Getting OAI to simulate multiple UE and then multiple eNB. Currently only simulating one UE and one eNB.

Installing OAI and Paparazzi software on the Remote PC.

Start understanding how to implement Paparazzi into OAI for UAV simulation.

Plans for Upcoming Reporting Period

Using the UAV simulator to generate locations of drones. Input the drone locations and data from UAV simulator, as UE's of OAI in a 5G wireless space.

Continue learning and understanding real-time wireless networking algorithms.

Finish getting the remote-access computer set up.

Look into possible API for integrating UAV simulator with OAI.
