

ENGIN492, Senior Design Weekly Meeting #14

Meeting Minutes

04/28/2021 15:30 – 15:51

CM/TM: Dr. Honggang Zhang

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- **Agenda**

1. Final versions of poster and video
2. Latest drone flight test result
3. Alternative method for automatic data collecting process

- **Notes**

1. Poster and video
 - a. Revise title: Fast mmWave RF 3D-Object Reconstruction in Low-Visibility Environment via UAV Platform
2. Flight test
 - a. nearly balanced, but not stable: moving when it is supposed to be hovering
 - b. need a larger frame, more powerful battery, motors, and propellers
3. Automation
 - a. use Java robot class to control mouse pointer to click on the mmWave Studio GUI for triggering frames.

- **List of Actions**

1. Collect real radar data in 4 views, with latest automation method

- **Preliminary Agenda for Next Meeting**

1. Final presentation review