

Dissertation Weekly Report

March 13, 2015

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Supervisor: Lus Filipe Teixeira

Thesis: *Visual-Inertial based autonomous navigation of an Unmanned Aerial Vehicle in GPS-Denied environments*

1 Accomplishments

- L^AT_EX Documentation:
 - Development of the weekly report template.
 - Development of the minutes template for meetings with the supervisor.
- Personal Website
 - Finished the design.
 - Template is working and fully operational.
 - Added all the already available information to the corresponding webpages.
- Image processing
 - Some photographs and videos relating those acquired by the drone were obtained.
 - Edge detection and line detection with the Hough transform was completed.
 - Started working on the vanishing point detection algorithm to be used.

2 Notes

A meeting with the supervisor was scheduled for the 16th of March at 16:00 PM.