

Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. My *Goals* from last week

- Continue writing Methodology Section
- Improve programs for the experiment

2. My *Accomplishments* this week

- a. Project 1: <IROS paper 2017>
 - i. Finished the draft of three sections: problem formulation, trajectory generation, and aggregation.
 - ii. Improved Kalman filter for tracking.
 - iii. Improved background subtraction using grayscale image averaging instead of binary image processing
 - iv. Implemented RRT and the heuristic aggregation in real time experiment, and part of the trajectory looks good. There are some issues with unpredictable particle dynamics

3. My *Goals* for next week

- Continue writing IROS paper and doing experiment