

Plan for Experiment 20180309

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Mar 7 2018

Contents

- Overview
- Task 0: Installing UWB stations
- Task 1: Hovering
- Task 2: Simple path following
- Task 3: Square path following

Overview

- Place: Indoor Stadium
(Toronto Track and Field Centre)
- Date: Mar 9(Fri) 2018
- Schedule
 - * Items will be packed on Mar 8 (Thr).
 - 7:00 ~ 7:20 : Moving items from the lab to a car
 - 7:30 ~ 7:50 : Moving items from a car to the stadium
 - 8:00 ~ 8:30 : Unpacking items
 - 8:30 ~ 9:30 : Experiment
 - 9:30 ~ 10:00 : Packing items
 - 10:20 ~ 10:40 : Moving items from a car to the lab

Overview

■ Participants

- Jungwon
- Kunwoo
- Erin
- Undergraduate students (domchan@my.yorku.ca)

■ Objective

- Jungwon & Kunwoo
: data logging from UWB and DJI flight controller
- Erin
: data logging from an additional flight controller
- Undergraduate students
: Not determined yet

Overview

■ Item List

- Drone (DJI M100) Set: Drone body, RC, batteries
- UWB Set: UWB modules, Tripods
- GCS Set : Laptops, Monitor, Wifi router, 110V battery
- Table & Chair

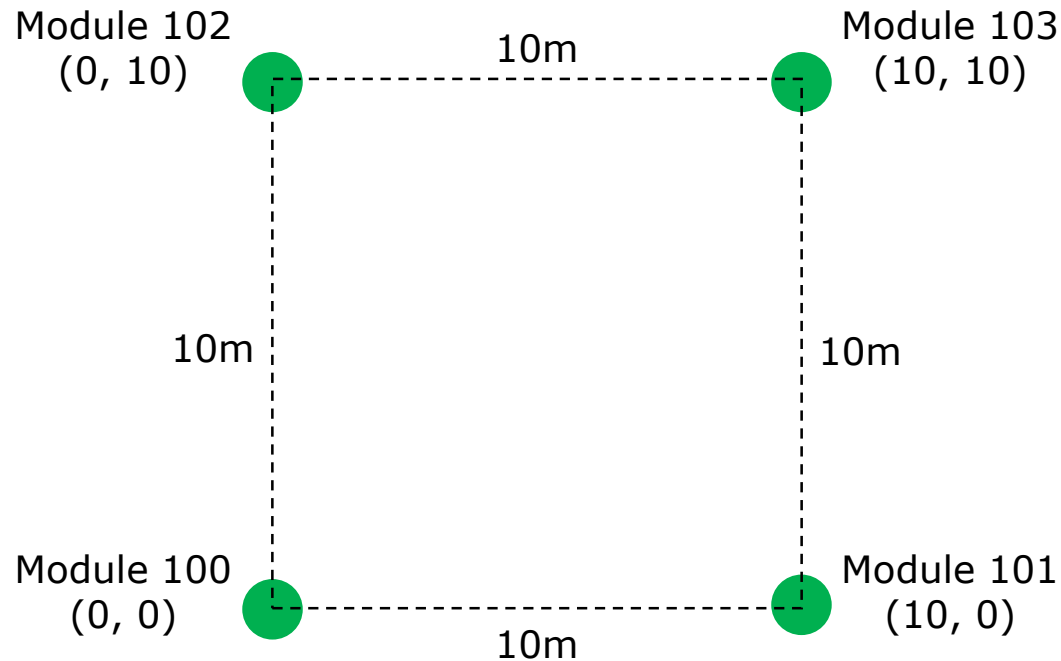
*Full list: https://github.com/yorku-ausml/vai_uav/wiki/Item-List

■ Preparation for the experiment

https://github.com/yorku-ausml/vai_uav/wiki/Preparation-for-data-logging

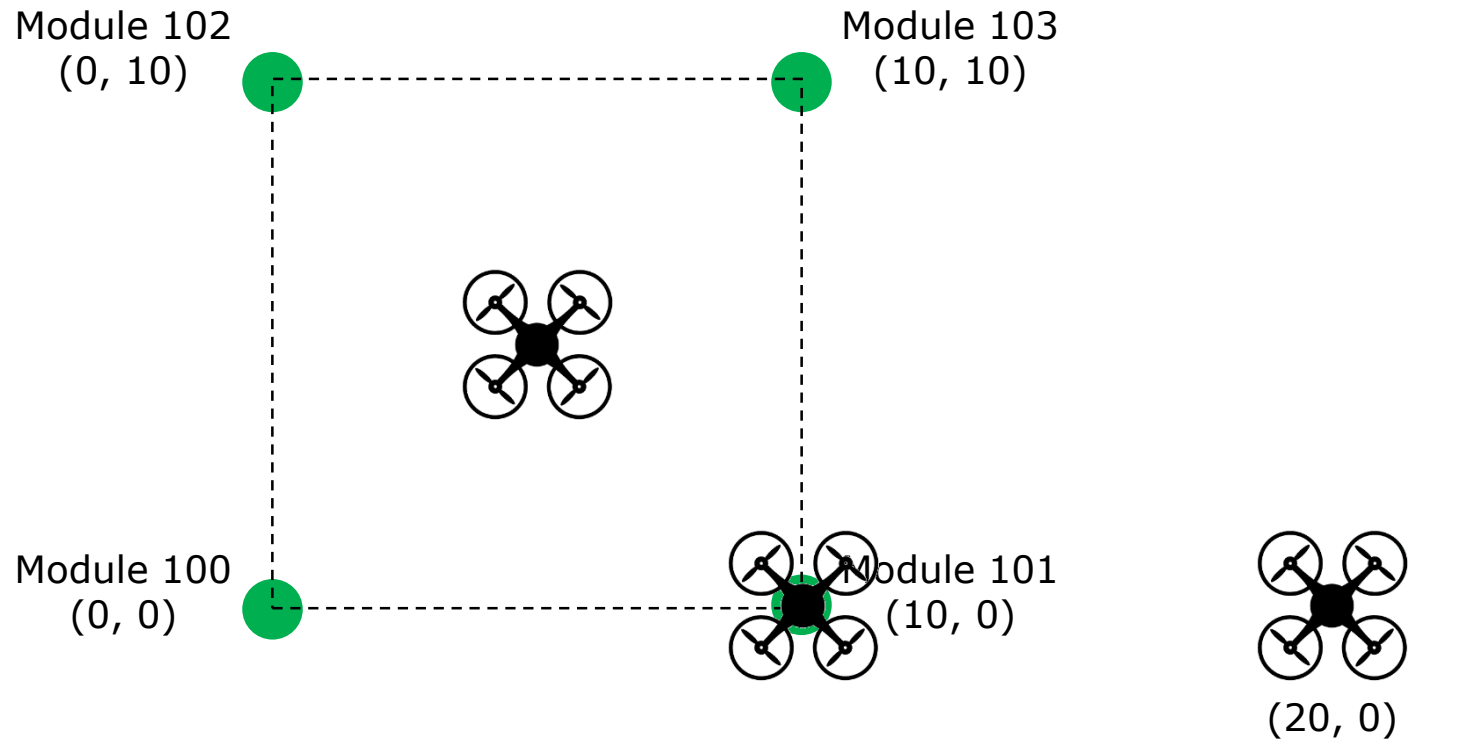
Task 0: Installing UWB stations

- UWB stations



Task 1: Hovering

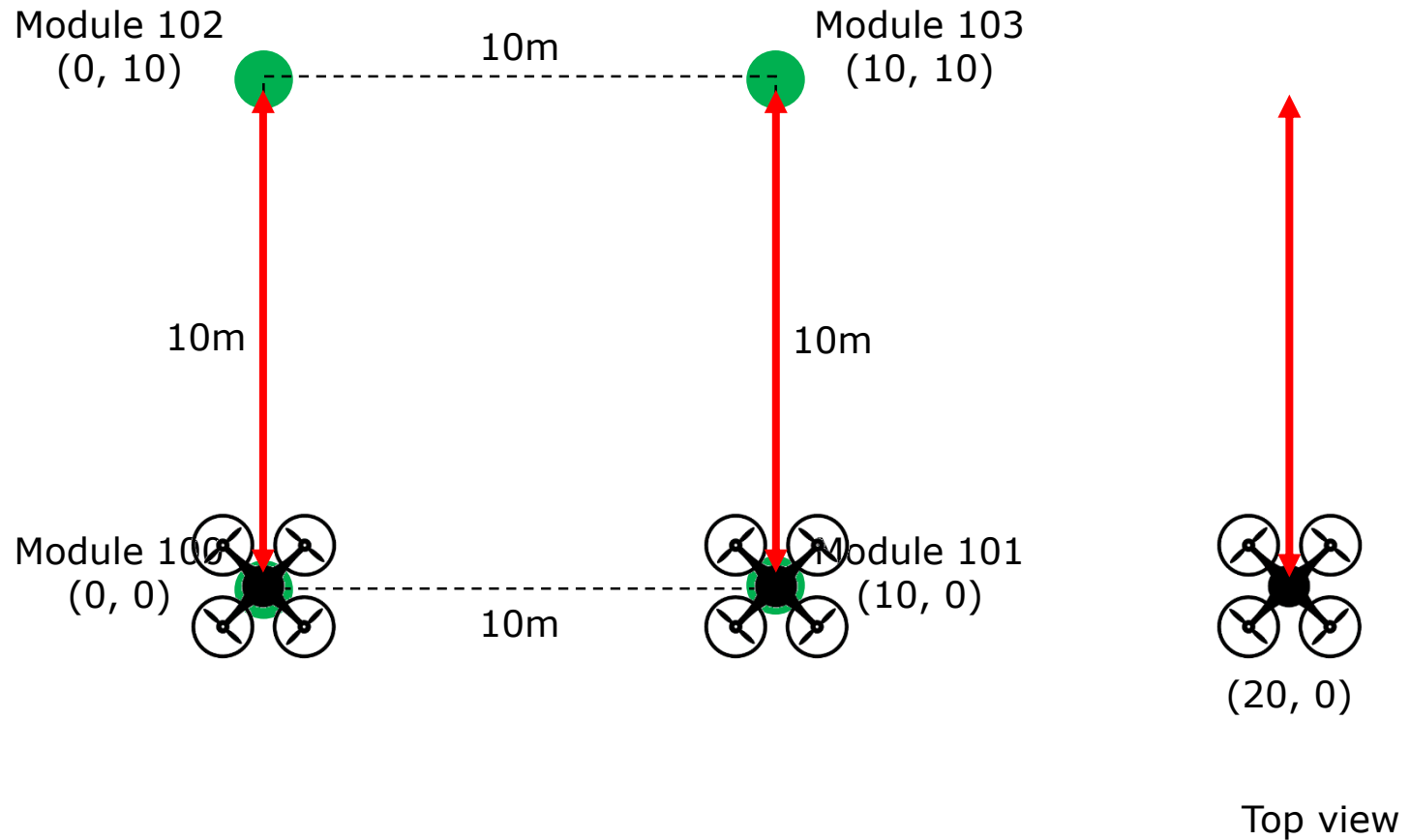
- Hovering at several points
 - With/Without obstacles around UWB stations



Top view

Task 2: Simple Path Following

- Following simple path
 - With/Without obstacles around UWB stations



Task 3: Square Path Following

- Following square path
 - With/Without obstacles around UWB stations

