**Present:**

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**Outcomes:**

Timeframe:

* This term:
  + This week and next week: literature review
  + 1 week on problem formulation
  + 3 weeks on simulation development
  + Try to tie up ICLOCS/MATLAB with ROS/Gazebo. Get a simple demonstration of a drone flying between two points **with documentation.**
* Next term:
  + Extend the ICLOCS-ROS demo to the problem formulation
  + Complete the simulation; compare the optimized control demo with the PID benchmark

Deliverables:

* ICLOCS-ROS demo (end of Term 1)
* Integrate optimal control solution into ICLOCS-ROS demo (mid-Term 2)
* Annotated bibliography with 1 paragraph summaries (end of literature review phase, one week’s time)

Literature Survey:

* Look at **what** and **how** each paper formulates the optimization problem
* What is the state of the art?
* What have people done? What haven’t they done?