# Week of: \_\_\_\_\_5/25/2016\_\_\_\_\_\_\_\_

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| **Semester Goals:**   1. Have a research paper on drones – contraction mapping (Slotine) 2. MBZIRC - Implement different control algorithms for a drone on a moving vehicle 3. scaling chain integrator – robustness, time constraints (reaching goals in a fixed time), Astar, 4. C++ controller on board (attitude)– ROS interface off board (MATLAB) (position control) |
| **Results from last Week:**  * Submitted controller for scaling chain integrators * Almost converted scaling chain integrators implementation to MATLAB * Setup simulation platform for the MBZIRC challenge |
| **Plan for this Week:**  * Learn the code base for the MBZIRC challenge * Test and tune the CBF\_CLF scaling chain controller * Read papers on contraction mapping to learn more about its applications on drones – limit time on reading papers; 2 hours maximum * IT’S A WAR AGAINST KNOWLEDGE!! |
| **Questions for this Meeting:**  1. How should I go about the scaling chain integrators MATLAB implementation testing? |