

901809 - Deep Sea Bioinspiration

Week 38

1. Jon Erickson
 - a. Bits and pieces in the shop.

Week 37

1. Denis Klimov
 - a. Helping Kevin with rotation table setup for scanning selected objects with EyeRIS system

Week 32

1. Alana Sherman
 - a. Tried to help gather things for Falkor cruise

Week 31

1. Denis Klimov
 - a. Updated DeepPIV handbooks for versions 3 and 4 for the upcoming Falcor cruise

Week 30

1. Mike Risi
 - a. Bit of debugging on Doc Ricketts interface

Week 27

1. Denis Klimov
 - a. Prepping for DeepPIV pre-deployment testing in the Test Tank

Week 25

1. Brian Schlining
 - a. Importing stereo camera videos, images, and localized annotations into VARS. Demo videos of results are [here](#) and [here](#). [Code](#).

Week 22

1. Denis Klimov
 - a. Labels for DeepPIV 3 and 4 are completed and printed

Week 21

1. Alana Sherman
 - a. Help review Kakani's talk

Week 19

1. Jon Erickson
 - a. Remote Laser head re-design. The fiber jackets are too stiff to make the bends inside.

Week 18

1. Alana Sherman
 - a. Finished schematic of new dye injector

Week 17

1. Denis Klimov
 - a. Updating DeepPIV 3 and DeepPIV 4 use on deck policy for optional laser sheet angles

Week 15

1. Denis Klimov
 - a. Updating operation on deck procedure for optional laser sheet labels
 - b. Ordering material for LED light diffusers
2. Mike Risi
 - a. Working on Doc Ricketts interface for mid-water tracking code

Week 14

1. Brian Schlining
 - a. Tested and reviewed stereo camera videos to ensure that their metadata was correct before registration with VARS. (And a note that individual projects can request to use VARS for their video data management)
2. Alana Sherman
 - a. Weekly meeting

Week 13

1. Jon Erickson
 - a. Waiting on parts for the Particle Injector

Week 10

1. Jon Erickson
 - a. Particle injector pump parts into the shop this week.
2. Ben Raanan
 - a. Implemented standalone KCF tracking node with LCM interfaces and profiled execution performance on embedded target (Jeston NX) using Nvidia Nsight.

Week 9

1. Mike Risi
 - a. Preparing for midwater tracking cruise series starting March 17th
2. Alana Sherman
 - a. Found some connector parts for Paul R.'s version of the interface can

Week 7

1. Ben Raanan
 - a. Profiling KCF tracker performance on Jetson Xavier-NX
2. Mike Risi
 - a. Modified control code, retested depth loop in test tank

Week 6

1. Mike Risi
 - a. Modifying depth loop based on testing results
 - b. Tested transitions between search and track modes
2. Brian Schlining
 - a. As part of the m3-registrar refactoring, Brian is adding stereo camera registration to M3 from the Mini ROV.

Week 5

1. Mike Risi
 - a. Testing search mode extensions to mwt-control system in test tank

Week 4

1. Ben Raanan
 - a. Meeting with Skydio Eng. Teo Tomic
2. Mike Risi
 - a. Continuing work on search mode extensions to tracking control system

Week 3

1. Ben Raanan
 - a. LRAUV software architecture overview
 - b. Set up meeting with potential external collaborator
2. Mike Risi
 - a. Working on search mode extensions to tracking control system

Week 2

1. Mike Risi
 - a. Midwater tracking kick off meeting