

Engineering Weekly Report 12/24/2020 - 12/31/2020

Executive Council Notes

- 901800 LRAUV Development (Hobson) - The LRAUV group, along with collaborators at JPL performed tests in Monterey Bay last week to test a new mission path planning application JPS is developing for future deployments in the ocean worlds of Europa and Enceladus. For the Monterey Bay tests the JPL application was running on the backseat computer installed in LRAUV Pontus to control where the AUV traveled, and when it was time to return to a home base marked by an acoustic beacon. This is the first LRAUV backseat computer application to read active sensor and navigation data, and feed control commands to the main vehicle, though we expect to host many other collaborations like this from within MBARI and other researchers in the near future.
- 902106 Niobicon-Based AUV Docking Development (Hamilton and Hobson) - A prototype of the Niobicon AUV Docking system was integrated and tested in the test tank last week. LRAUV Galene was fitted with a retractable cable capture arm and commanded to swim towards a vertical rod suspended in the tank that it caught and latched onto. Tank tests will continue after the shutdown to investigate higher speed capture as well as power and data transfer.



Individual Activities

- Francois Cazenave
 - 901405 - PowerBuoy Development

- I have been testing sensors for the LRAUV dock
 - I designed a housing for a photosensor
 - I am modifying the design of the capture device and making drawings.
- Out of Office
 - I was on vacation last week. I am working this week
- Mark Chaffey
- Danelle Cline
- Duane Edgington
 - Out of Office
 - AWS re:invent virtual conference Nov 30 - Dec 18
 - Neurips 2020 virtual conference Dec 6 - 12
 - Vacation Fri Dec 18, Dec 21 - 31
- Jon Erickson
 - Out of Office
 - Vacation Day
- Kevin Gomes
- Andy Hamilton
 - Out of Office
 - On vacation until October 26
- Kent Headley
 - Out of Office
 - Nov 30, Jan 19 : personal
 - Dec 28-31 : vacation (tentative)
- Rich Henthorn
- Brett Hobson
- Scott Jensen
 - Out of Office
 - Current schedule is Monday-Wednesday
- Brent Jones
- Chad Keczy
 - Out of Office
 - Vacay 12/21-1/1
- Brian Kieft
 - Out of Office
 - Intermittent vacation until next year. Also Dec 25-29
- Denis Klimov
- Eric Martin
- Thom Maughan
 - Out of Office
 - Vacation Dec 24 to Jan 1 TBD on dates.
 - Working remote with regular access as needed at MBARI Tues, Wed, Thurs
- Mike McCann
 - Out of Office
 - 21-31 December 2020
- Rob McEwen
 - Out of Office
 - WFH on Thursday and Friday.
- Paul McGill
 - Out of Office

- Sick day to deal with medical appts.
- Ed Mellinger
 - Out of Office
 - Scheduled in-office days Tuesday, Friday
 - Minor family medical issues will affect my availability for the next 2-3 weeks.
- Tom O'Reilly
- Craig Okuda
 - Out of Office
 - Vacation days last week
- Doug Pargett
- Ben Raanan
- Mike Risi
 - Out of Office
 - February 19-22: Ocean Imaging Cruise
 - March 9-12: Vacation
 - May 26-29: Vacation
 - June 29 - July 1: Vacation
 - September 7 - September 11: Vacation
 - October 12-17: Ocean Imaging Cruise
 - October 19-23: Vacation
 - December 21 - January 4: Vacation
- Brent Roman
- Carlos Rueda
 - Out of Office
 - Dec 21-31: vacation
- Karen Salamy
 - Out of Office
 - Out of Office this whole week due to a Family Medical Emergency. I may have to extend this through next week as well.
 - Will be working on MBARI campus ONLY on Tuesdays until further notice.
- Brian Schlining
 - Out of Office
 - 12/21-1/1 Vacation
- Rich Schramm
- Alana Sherman
 - Out of Office
 - Vacation day 12/15