



FRIENDS OF MOSS LANDING
MARINE LABORATORIES
presents



Long Range Autonomous Underwater Vehicle Operations at the Monterey Bay Aquarium Research Institute

*An evening with Thomas
Hoover*

**Join us Wednesday,
March 5th at 7 PM**

This lecture will present operations of the new Long Range Autonomous Underwater Vehicle (LRAUV) developed at MBARI. The LRAUV has potential to change the way Ocean Science is done. With dramatically increased range, the LRAUV can reduce the cost to do Ocean Science and facilitate doing Ocean Science in places that previously were not readily accessible. The presentation will include successful operations and some of the more interesting challenges overcome during development of this vehicle. Operations presented will include running an LRAUV unattended for weeks on end, following plankton and looking for the ultimate breaking wave. Challenges overcome during these operations include being the uninvited guest at the beach party, playing lawn darts in the deep blue sea, how to surprise a fisherman, playing hide and seek on the Central Coast and an unexpected encounter with a Great White Shark.

About the speaker: Thomas Hoover has worked on Autonomous Underwater Vehicles at the Monterey Bay Aquarium Research Institute (MBARI) since 2004. His work at MBARI includes development of an underwater docking station for a Dorado class AUV and the development of Tethys, a new class of Long Range AUV. Previous work includes design and programming of automated test equipment for pre-launch testing of satellites; design, installation and testing of passive countermeasure systems on US Navy vessels, and conducting field operations with the test platform Sea Shadow. A retired Chief Petty Officer, his military career included field support for EOD robots in Iraq, EMP hardening of ships and nuclear reactor operations on a submarine. He earned his Bachelor of Science in Engineering Technology from Old Dominion University in 1998.

Recommended donation for non-Friends of MLML: \$8

Community Science Lectures are held in the Seminar Room at MLML at 8272 Moss Landing Road in Moss Landing. Questions? Call Friends at (831) 771-4401