

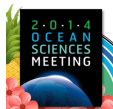


February 2014

Meet McLane, IFCB Live, New MMP Sensors

2014 Events

Contact us to set up an appointment during any of these upcoming 2014 events:



2014 Ocean Sciences Mtg

Honolulu, HI, USA
February 23-28, 2014
Booth E85



ONR/MTS Buoy Workshop

San Diego, CA USA
March 3-6, 2014

Oceanology International

London, UK
March 11-13, 2014

Aquatic Sciences Mtg

Portland, OR, USA
May 18-23, 2014

Oceans '14 MTS/IEE

St. John's, Canada
September 14-19, 2014

Training Classes at McLane

Training is encouraged to help prepare you for your successful deployment.

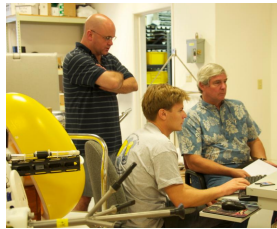
Customers who purchase McLane samplers or profilers also receive free

Learn more about what's new in profilers, samplers and flotation, or talk about your upcoming deployments at these opportunities to meet McLane in person:

- **23-28 February**, McLane Engineering Manager Tim Shanahan will be at Ocean Sciences 2014 in Honolulu, HI. Stop by **Booth E85** at the Hawaii Convention Center to talk with Tim.
- **3-6 March**, McLane Engineer Tom Fougere will have a booth at the ONR/MTS Buoy Workshop, San Diego, CA. Tom will also present findings from a recent profiler test of enhanced mechanical features and sensor integration (see article below).
- **18-23 May**, McLane Director of Special Projects Ivory Engstrom will be at the Aquatic Sciences Meeting in Portland, OR. Come meet Ivory and talk with him about the newest McLane technology projects including the IFCB and ESP.

Cytobot Images Visible on the Web

instrument training at our facility. Or, [contact](#) us if you would like training at your preferred site.



Univ. of Hawaii MMP Class

Photos from the Deck

McLane trades photos for t-shirts so send us your best shots!

This deck shot features a British Antarctic Survey Sediment Trap deployment in the Weddell Sea.



Photo: C. Manno

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IFCB Images from the Web Dashboard

Images from the first commercial [Imaging Flow Cytobot](#) (IFCB) unit McLane has delivered are now visible through a [web dashboard](#). The IFCB features technology from scientists at Woods Hole Oceanographic Institution (WHOI) and is an automated in situ submersible imaging flow cytometer that captures high resolution suspended particle images.

The dashboard was developed to share IFCB images over the Web. The most recent IFCB deployment was conducted by WHOI scientists this Fall on a NOAA ship. The unit is next scheduled for a Spring 2014 deployment at the Martha's Vineyard Coastal Observatory station (MVCO).

McLane Tests New Sensor Integration on Profiler



McLane Testing at Sea

McLane, along with customer and industry partners, recently took [McLane Moored Profilers](#) (MMPs) into the ocean to test a prototype profiler with new sensor integration, inductive telemetry, and mechanical enhancements.

The at-sea test collected data for 48 days at a site one mile northeast of Isle of Shoals, near New Hampshire. The McLane team conducted joint sensor testing with RBR systems and Nortek, including the Aquadopp II ACM and Concerto CTD sensors. Over 2,299 profiles were collected which

included profiling pattern changes. Enhanced mechanical features were also tested during this deployment. To learn more about this deployment and sensor integration, come hear Engineer Tom Fougere speak at the Buoy Workshop in San Diego March 3-6.

ITP Surface Package Travels to Ireland

Last Fall, an [Ice Tethered Profiler](#) (ITP) broke free from its Arctic mooring. While the profiler landed at the bottom of the ocean, its surface package drifted over 18 months finally landing in the Mullet peninsula on the coast of Ireland. The equipment was found by documentary filmmaker Fergus Sweeney.

Intrigued, Mr. Sweeney and local residents researched the origin of the ITP Surface Controller. The result was a one-of-a kind



Surface Controller from Arctic ITP on Exhibit in Ireland

[exhibit](#) at the Erris Arts Centre located in Belmullet town, County Mayo, Ireland. Students helped design the exhibit to share the story of the traveling instrument package.