

September 2013

OOI Profilers, Custom Flotation, Station ESP

McLane Presents at NortekUSA
September 20-21



On Saturday, 21 September McLane's work with the [Aquadopp2 sensor](#) will be one of the user presentations at the NortekUSA Technical Symposium (9:40-10AM) at the Town and Country Resort.

McLane 2013: Japan, Canada,
Latin America and USA

Contact us to set up an appointment for a personal meeting during any of these upcoming events:

[Oceanographic Society of Japan](#)

18-20 September, Hokkaido University, Japan

[Ocean Innovation](#)

20-23 October, Quebec, Canada

[COLACMAR](#)

27-31 October, Punta del Este, Uruguay, Latin America

[U.S. HAB Symposium](#)

27-31 October, Sarasota Florida, USA

Training Classes at McLane

If you own a McLane instrument, **training** at our facility is available to help prepare you for your deployment. Recent training attendees included the Université Laval and the University of Illinois at Chicago.



An Ocean in Common
September 23-26, 2013



Academic host:  SCRIPPS INSTITUTION OF OCEANOGRAPHY

Looking for a chance to [tell us](#) your project needs? Curious about the Deep Profiler and OOI Milestones? Come by on Wednesday, **25 September** as General Manager Michael Mathewson presents a technical paper on the Deep Profiler for the Ocean Observatories Initiative Regional Scale Node (OOI-RSN). Presentation location: **Royal Palm Salon 4** from **1:20-3pm**.

ESP Continues Red Tide Detection



Photo: Bruce Keafer, WHOI

Environmental Sample Processor (**ESP**) samplers manufactured by McLane are a component of monitoring buoys in the Gulf of Maine and Long Island Sound, at the Northeastern Regional Association of Coastal and Ocean Observing Systems (NERACOOS) station. This [monitoring](#)



H. Buelow, Dr. P. Doran, and L. Winslow from the University of Illinois at Chicago train on their [RAS-500](#) sampler.

Photos from the Deck



Photo: Shallow Sea Technology

In this case the 'Deck' is Oceanology International'13 in Shanghai, where McLane/Shallow Sea Technology, showcased a [Sediment Trap](#).

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[station](#) reports temperature, salinity and meteorological conditions and tracks harmful algal blooms that cause red tide.

Principal Investigator Don Anderson of Woods Hole Oceanographic Institution (WHOI) calls NERACOOS a "critical step towards [our] long-term dream of having a network of instruments moored along the coast of the Gulf of Maine, routinely providing data on the distribution and abundance of [harmful algal blooms] and toxins."

The [ESP](#) provides in situ collection and analysis of water samples from the subsurface ocean. The instrument is an electromechanical/fluidic system designed to collect discrete water samples, concentrate microorganisms or particles, and automate application of molecular probes which identify microorganisms and their gene products.

Custom G8800 in OBS Instruments on 3D Seismic Survey

The boundary between the continental and oceanic crust in the northeast Atlantic Ocean west of Spain will soon be visible in 3D seismic maps thanks to an international research team. During the [Galicia Expedition](#)



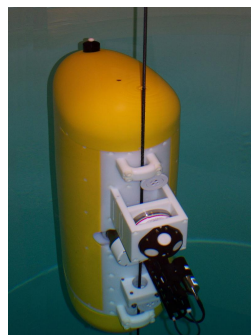
Ocean Bottom Seismometer

which embarked this Spring from Vigo, Spain, more than 70 Ocean Bottom seismometers that use [McLane G8800](#) flotation were deployed to determine the velocity that sound travels through different layers of the earth. This data will yield information on ocean bottom compositions.

McLane G8800-EM [glass flotation](#) has been part of the OBS custom instrument design since the early 1990's.

Profiler Node Successful in OOI Deployment

Two McLane [Profilers](#) were deployed in July at Station Papa in the Gulf of Alaska. The deployment marks the first Global site of the [Ocean Observatories Initiative](#) (OOI), and is, according to OOI co-principal investigator and WHOI scientist John Trowbridge, the first Coastal and Global Scale Node deployment.



McLane Moored Profiler

Professor Uwe Send of Scripps Institution of Oceanography, Chief Scientist of the expedition, confirmed that after the deployments, the team successfully retrieved data, including data from the wire crawling profilers.

