oceanbuzz

The weekly ocean technology e'Newsletter everyone's talking about

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INDEX

1. General Ocean News
a) Datawell's "Baby Waverider" now has a mooring option
b) Marport Releases New Multi-Function Door Sensor
c) FlowCAM® helps University of Newcastle assess Ballast Water treatment effectiveness.
d) New RESON TC 4056 Hydrophone
e) NOK 52 million subsea- and deepwater contract for ODIM

2. Event, Training and Demonstration News
a) NOCS Host Breakfast Club Meeting, 15th July 2008, Southampton, UK
b) International Training Course on Coastal Remote Sensing and GIS, 25th August to 5th September 2008, Thailand
c) Ormonde - Wind and Stranded Gas, Thursday 26th June 2008, Imperial College of Science, Technology and Medicine, London, UK

3. Job Postings
a) Technical Sales Role at Teledyne RD Instruments, CA, USA

1.GENERAL OCEAN NEWS

1.a) Datawell's "Baby Waverider" now has a mooring option

RS Aqua Ltd, UK representatives for Dutch wave buoy manufacturer Datawell bv, report that the "Baby Waverider" (model DWRG-4), at 40cm diameter and 17 kgs their smallest and lightest wave buoy, now has an optional mooring system.

Since it's market introduction some 5 years ago, the free floating DWRG-4 has proved to be an extremely popular tool for the provision of real-time directional wave data coupled with GPS positioning for such diverse applications as ship's trials support, military landing exercises, search & rescue operations and short period engineering events. However, some users have indicated a preference to moor the baby buoy for longer periods (battery life exceeds 11 days) and, so, Datawell have designed an optional simple mooring which takes account of the size, weight and dynamics of the device.

The mooring is described in detail in a flyer which is available from RS Aqua. For a pdf copy of the flyer, just email product specialist Tony Sanders at t.sanders@rsaqua.co.uk with "Baby Waverider Mooring" in the subject header.

1.b) Marport Releases New Multi-Function Door Sensor

Marport Canada Inc., a subsea acoustics technology company, today announced its latest generation multi-function door sensor. The sensor is part of Marport's new MFX (Multi-Function Extended Battery) product line and has been designed using the latest software defined acoustics technology.

Every Marport MFX sensor integrates distance measurement transducers, multiple axis accelerometers and inclinometers, digital temperature sensor, precision depth sensor, power management, embedded signal processing firmware and broadband transducers for reliable measurement and communications.

Distance sensors work in pairs (master and slave) to measure the physical distance between the trawl doors during bottom and pelagic trawling. In addition to door spread distance, the MFX Door Sensors can simultaneously measure door pitch angle, roll angle, water temperature around the door as well as depth of the trawl door. For more information, visit www.marport.com

1.c) lowCAM® helps University of Newcastle assess Ballast Water treatment effectiveness.

Surrey based Planet Ocean Ltd, announce the sale of a FlowCAM, imaging flow cytometer to Professor Ehsan Mesbahi of the University of Newcastle. Professor Mesbahi, researches the effectiveness of ballast water treatments and will be using FlowCAM® to quickly identify and quantify these treatment techniques.

FlowCAM provides an extremely effective tool for assessing the viability of organisms within ballast water and is in use around the world. Back in 2005, Fluid Imaging Technologies, Inc supplied FlowCAM® to the U.S. Navy's Naval Research Laboratory in Key West, Florida to establish international protocols for measurement and analysis of invasive species which are transported in the ballast water tanks of ocean going vessels and to provide a quick and reliable method of accurately assessing treatment effectiveness. As stated by the D2 regulations a key component to Ballast Water compliance is the ability to detect, enumerate and determine viability of the organisms that remain after ballast water treatment. The FlowCAM® has the ability to determine all three of the requirements as set by the IMO regulations for all or most of the organisms in Category 1 and 2 listed in the D2 regulations.

Ships transport upwards of 10 billion tons of ballast water annually all over the globe in tanks specially built for this purpose. Ballast water is essential for the stability of the ship. The transport of this water over large distances leads to mixing of water from one continent with water from another within a short time span. The discharge of this water in the destination port may cause large problems in the receiving ecosystem when an imported species is able to multiply in an uninhibited manner due to the absence of its natural predators. These problems are recognised world-wide, and they are regarded as the second largest threat to biodiversity after climate change. For more information, contact Terry Sloane of UK representatives Planet Ocean Ltd http://www.planet-ocean.co.uk

1.d) New RESON TC 4056 Hydrophone

RESON has released a new broadband reference hydrophone further expanding the already diverse line of calibrated hydrophone products and accessories. The TC 4056 is a spherical measurement hydrophone with an internal preamplifier, -180dB re 1uPa sensitivity, covering 7Hz to 160kHz frequency range. The TC 4056 provides single ended or balanced differential output for cable runs up to 1000m. This model is ideal for multi-sensor set-ups and passive sonar arrays.

TC 4056 and similar RESON hydrophone models with internal preamplifiers are typically used by Navies and Research Institutes for ambient noise measurements, acoustic signature analysis, radiated noise measurements, flow noise measurements, acoustic tracking, passive diver detection system, and bioacoustics. For further information contact josh.grava@reson.com

1.e) NOK 52 million subsea- and deepwater contract for ODIM
A contract worth NOK 52 million covering automated handling equipment has been awarded to ODIM by Zhejiang Shipbuilding (Sinopacific Group) in China.

The delivery comprises four automated ODIM LARS launch and recovery systems for remotely operated vehicles (ROVs), and two ODIM ABAS deck cranes. The handling equipment is due for delivery in 2009, and will be installed on the two IMR-vessels (inspection, maintenance and repair) being built for Neptune Offshore, Fosnavåg, Norway.

ODIM's Launch And Recovery System (ODIM LARS) is an established industry standard onboard new subsea vessels. The Launch And Recovery Systems will handle remotely-operated vehicles being used in water depths down to 4 000 metres. For further information contact Øyvind Olsen, senior vice president, communications, ODIM ASA, mobile +47 911 85 817

2. EVENT, TRAINING AND DEMONSTRATION NEWS

2.a) NOCS Host Breakfast Club Meeting, 15th July 2008, Southampton, UK
The National Oceanography Centre, Southampton (NOCS), invite you to attend their breakfast club meeting on the 15 July 2008. The meeting will provide manufacturers and service providers from the marine industry the opportunity to meet with NERC marine facilities users and specifiers, providing a look ahead for you on the requirements of the National Marine Equipment Pool. This event will be largely a free format with only a small portion of time given to an introductory briefing by the Head of the Biology User Group Sophie Fielding. The rest of the time is yours to meet with the scientists and engineers from the marine User Groups and Sea Systems and take part in opportunistic discussions, whilst enjoying breakfast and a coffee. Arrival at NOCS is from 08.30 onwards, with the introductory briefing starting at 09.15.

There will be limited space available for people to display small stands and posters and the NOCS welcomes you to bring along company literature. This is not an exhibition and they can only accommodate display equipment up to a maximum of 2 metres wide. Space will not be allocated in advance. Attendees will be able to erect their display equipment around the edges of the meeting room on a first come first served basis.

If you intend to take advantage of this unique opportunity please complete email Aidan Thorn (adft@noc.soton.ac.uk) on or before 27th June 2008

2.b) International Training Course on Coastal Remote Sensing and GIS, 25th August to 5th September 2008, Thailand
The Asian Institute of Technology (AIT) is going to organize an International Training Course on Coastal Remote Sensing and GIS. The course title is Integrated Coastal Zone Planning and Management using Geoinformation Technologies and it will last for two weeks from 25th August to 5th September, 2008 at the AIT in Bangkok, Thailand.

The course will be taught by AIT an international faculty with vast experiences on remote sensing, GIS and their coastal and marine applications. The course will be focussing on new technologies for managing the coastal resources through lectures, hands on exercises and field visits.

For online information and downloading the Brochure and Registration form go though the link http://www.geospatial.ait.ac.th/coastalrsgis

2.c) Ormonde - Wind and Stranded Gas, Thursday 26th June 2008, Imperial College of Science, Technology and Medicine, London, UK

Oil and gas reserves are in decline and the pressure is on to source energy from renewable sources. The Ormonde Project is a first of a kind hybrid wind and gas development, located in the Irish sea, with planned start up of first power export in Q4 2010. It comprises a 150MW offshore wind farm which is bounded to the north and south by two stranded gas subsea reservoirs. Gas from these two reservoirs will be used to fuel offshore gas turbines which feed power through the windfarm offshore substation to the grid connection onshore. By sharing the wind farm power export infrastructure, these 'marginal' gas reserves, previously considered economically unviable can be successfully exploited.

The next SUT London Evening Meeting will be on Thursday, 26 June 2008 and will be on the subject of "Ormonde - Wind and Stranded Gas".

You may also be interested in taking part in the SUT Challenge Cup, in Aberdeen on 21st August 2008. An 18 hole stableford competition, The SUT Challenge Cup, will take place at Newmachar's Hawkshill course in Aberdeen on 21st August. Starting at 11.30 with refreshments, tee times will take place between 12noon and 3pm. A 2 course supper will follow the golf. £45 per person or £15 for Newmachar members. Al players must have a recognised handicap.

For further details or to register for either event please contact Michele Ross michele.ross@sut.org or go to www.sut.org

3. JOB POSTINGS

3.a) Technical Sales Role at Teledyne RD Instruments, CA, USA

Teledyne RD Instruments is seeking a mid-level technical salesperson to develop the many new worldwide opportunities in the offshore renewable market.

Teledyne RD Instruments, Inc., located in San Diego, CA, specializes in the design and manufacture of underwater acoustic Doppler products for a wide array of current profiling and precision navigation applications. Originally founded as RD Instruments, the company was formed as a result of the development of the industry's first Acoustic Doppler Current Profiler (ADCP™); a revolutionary device capable of profiling currents at up to 128 individual points in the water column was developed. The company currently has over 200 employees and resides in an 80,000 square foot ISO-9001:2000 facility that includes state-of-the art engineering, laboratory, manufacturing, and test areas.

For further information on requirements and responsibilities for this role, and to apply, please contact cloper@teledyne.com