

# oceanbuzz!

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

A little late this week - we've been a little distracted with the final stages of build up for Ocean Business. Next week instead of Oceanbuzz we will send out the Tuesday issue of the Hydro International Show Daily for Ocean Business - and then we'll be back to our weekly newsletter after the show. This FREE OF CHARGE newsletter is brought to you by the organisers of the Ocean Business 2007 event [www.oceanbusiness2007.com](http://www.oceanbusiness2007.com). To add your colleagues to the Oceanbuzz circulation list simply email [info@intelligentexhibitions.com](mailto:info@intelligentexhibitions.com).

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## 1.OCEAN BUSINESS 2007 NEWS

### 1.a) UPDATE ON OCEAN BUSINESS

We've been on site creating a stir at the National Oceanography Centre, Southampton all week. It's huge is the general comment when research scientists take a look at the new exhibit hall that we've constructed on their dockside. Over 1500 attendees representing 46 countries have now signed up, the local press have finally taken note that something big is happening in Southampton and news crews and reporters are calling daily. Now all is left for you to do is make sure you don't miss out – if you haven't already pre-registered today is your last chance. <http://www.oceanbusiness2007.co.uk/register/> If you are reading this over the weekend – don't worry, you can still register on site. See you there!

### 1.b) PRE-REGISTERED GUESTS MEET AT WHITE STAR ON MONDAY

If you are planning on coming down for opening day, and will be arriving on Monday night, make sure you pre-register today to ensure that you can gain entry to the White Star Tavern on Oxford Street. The Association of Marine Scientific Industries and Intelligent Exhibitions Ltd are hosting a welcome drinks party.

### 1.c) TSS (INTERNATIONAL) LTD INTRODUCE ITS NEW ORION INS SYSTEMS

TSS (International) Ltd will introduce its new Orion INS systems at its product seminar on Wednesday 28th March at 10.30am - AV Room 124/15. The combination of highly accurate Ring Laser Gyros coupled to TSS' Inertial Navigation Algorithm to provide an extremely cost effective system have led to advance orders being placed for this new product. Visit stand 47 for more details. [www.tss-international.com](http://www.tss-international.com)

### 1.d) FLEDERMAUS SOFTWARE WORKSHOPS

The Fledermaus software suite provides users with a powerful set of interactive 3D visualization tools for data processing, analysis and presentation. Fledermaus allows users near real-time, interactive 3D display of very large complex scenes at their full resolution. The following workshops will be held at Ocean Business and are free to attend: FLEDERMAUS FOR HYDROGRAPHIC SURVEYING. Tuesday 27th March 1000hrs; and Wednesday 28th March 1030hrs; FLEDERMAUS IN THE OFFSHORE OIL & GAS INDUSTRY. Tuesday 27th March 1600hrs; and Thursday 29th March 1330hrs. Register onsite – arrive early to secure your place.

### 1.e) GENERAL ACOUSTICS WILL LAUNCH NEW SUB-BOTTOM PROFILER

The SUBPRO 1210 Sub-Bottom Profiler will be featured at the Ocean Business 2007 on stand 46, which is shared with RUCO Ltd. The system operates with 12 KHz and a power up to 10 KW. Shallow water surveying starting at 1.5 meters. General Acoustics also will be holding a 1-hour classroom session about this instrument. The session will take place on Tuesday, 27 March, 16:00 in Room 064/03. General Acoustics will also exhibit its tide and wave gauge LOG\_aLevel. Visit stand 46 for more info.

### 1.f) HYDROGRAPHIC SOCIETY UK SOUTHERN MEETING HELD WEEK OF OB07

Planned to coincide with Ocean Business, the next meeting will be held on Wednesday 28th March 2007 at 1930 hours. Presentations will include: Managing large hydrographic datasets with a focus on bathymetry and it's metadata, CARIS; Survey of HMS Royal Oak, RESON and ADUS; CM2 sidescan sonar system, C-MAX. Meeting will be held on the SS Shieldhall, 48 Berth which is a five minute walk from the NOCS.

## 2. GENERAL OCEAN NEWS

### 2.a) DTI GRANT TO DEVELOP 'REVOLUTIONARY' UNDERWATER RADIO

A Scottish consortium is developing technology which is set to revolutionise underwater wireless communications, with £560,000 funding from the UK Department of Trade and Industry-led Technology Programme. Wireless Fibre Systems, will lead a £1.1m, two-year research project consortium with Aberdeen-based Tritech International Ltd and Insensys Ltd, to develop the wireless equipment which will be invaluable for oceanographic and environmental monitoring and increasing safety through improved communications for oil and gas industry workers. The 'underwater radio' works like a wireless modem and can be used to transmit data to and from unmanned machinery in deep sea and also help divers to 'talk' underwater, where previously only hand signals were possible. [www.wirelessfibre.co.uk](http://www.wirelessfibre.co.uk)

### 2.b) IVS OPENS REGIONAL HEADQUARTERS IN THE UK

IVS 3D, Inc., provider of the Fledermaus 3D visualization software, has opened a regional headquarters in the United Kingdom to service the growing demand for the company's processing, QC and analysis software solutions in Europe, Middle East and Africa. The UK office expands IVS 3D's ability to offer local sales and support services to its fast growing base of customers and prospects in the region. For more info [www.ivs3d.com](http://www.ivs3d.com)

### **2.c) CHART-QUALITY WIDE SWATH SONAR DEPLOYED ON AUV**

For what is believed to be the first time, a man-portable Autonomous Underwater Vehicle (AUV) has been fitted with a wide swath sonar capable of collecting bathymetry data for chart use. The Gavia AUV (from Hafmynd, Iceland) was fitted with a GeoSwath Plus 500 kHz sonar (GeoAcoustics Ltd, UK), and was demonstrated last week in Singapore. Over 90 people attended the 3 day series of launch-collect-recover mission demonstrations. The Gavia was programmed to run a short survey pattern, collecting GeoSwath sonar data. For this type of mission the modular Gavia base vehicle is fitted with the GeoSwath 500 kHz sonar module, an RD Instruments doppler velocity log (DVL) and a Kearfott inertial navigation system (INS). These are in addition to the Gavia's standard GPS, Iridium phone, wireless link, obstacle avoidance sonar, pressure depth sensor and mini sound velocity sensor. The 20cm diameter vehicle is about 2.6m long in this configuration. For several years GeoSwath Plus data collected from boat-mount systems has been used in nautical charts produced by the UK Hydrographic office. With the positioning and attitude accuracy provided by a DVL aided Kearfott INS, data from a GeoSwath Gavia mission has the same kind of accuracy and repeatability. For info contact [ralf.timm@geoacoustics.com](mailto:ralf.timm@geoacoustics.com) [www.geoacoustics.com](http://www.geoacoustics.com)

### **2.d) L-3 COMMUNICATIONS KLEIN ASSOCIATES APPOINTS GSE RENTALS LTD**

L-3 Communications Klein Associates, Inc. (L-3 Klein), has appointed GSE Rentals Ltd, a leading specialist in the rental of geophysical, hydrographic and oceanographic equipment, as its European Service Representative for the repair, maintenance and support of the Model 3000 Side Scan Sonar. With offices near Aberdeen International Airport, GSE Rentals can quickly offer support to L-3 Klein clients throughout Europe. A future addition of the sub-bottom profiler attachment to the Model 3000 will eventually be included. [www.L-3Klein.com](http://www.L-3Klein.com) [www.gserentals.co.uk](http://www.gserentals.co.uk).

### **2.e) MAJOR KONGSBERG INVESTMENT FOR DPS RENTAL POOL**

Dynamic Positioning Services, supplier of marine surface and subsea positioning equipment for rental has made a significant investment in the latest portable acoustic positioning technology from Kongsberg Maritime. The initial investment estimated at £150,000 includes the latest portable acoustic positioning system HiPAP 350P system and multiple orders of Kongsberg mini and seabed positioning transponders, the order will also include comprehensive training for DPS offshore field engineers and the installation of an APOS training simulator at the companies new purpose build Aberdeen HQ in the city's Bridge of Don industrial area. [www.dynamic-positioning.co.uk](http://www.dynamic-positioning.co.uk)

### **2.f) FUGRO SURVEY NAMES ITS NEW GEOHAZARD SURVEY VESSEL**

Fugro will re-name its newly acquired vessel the M/V Fugro Discovery. Formerly the KV Tromsø, it is 70 m long with a breadth and draught of 12.6 m and 6 m respectively. It is destined to be equipped to a similar standard as the company's current flagship, Fugro Meridian, as a fully capable geohazard survey vessel with high resolution 2D seismic acquisition capability and eyeball ROV deployment options. Initially it will be equipped with Fugro's remotely operated towed vehicle FOCUS-2 systems, high precision DGPS surface and USBL sub sea positioning systems which will be used to carry out this season's acoustic pipeline inspection program. It should be ready for operation in late April/early May. [www.fugrosurvey.co.uk](http://www.fugrosurvey.co.uk)

## **3. TRAINING AND DEMONSTRATION NEWS**

### **3.a) SEA RECEIVE T45 MAINTAINER TRAINING CONTRACT AWARD**

SEA (Group) Ltd has been awarded a contract by BAE Systems to provide e-learning media for use by the HMS Collingwood-based Type 45 Destroyer Training Unit in their courses for on-board maintainers. The work will provide highly modular equipment visualisation, emulation and learning content and it pulls through SEA's significant experience in maritime synthetic environment projects. The Type 45 Anti-Air Warfare Destroyer will provide the backbone of the Royal Navy's air defence fleet until 2040 and beyond. It is a versatile warship that will provide unprecedented detection and defensive capability, efficiency and living standards when the first of class, HMS Daring, comes into service in 2009. [www.sea.co.uk](http://www.sea.co.uk)

### **3.b) OIL SPILL TRAINING COURSE 14 – 18 MAY 2007 - NEW JERSEY, USA**

Ohmsett, The National Oil Spill Response Test Facility, located in Leonardo, New Jersey, USA, will host a one-week Oil Spill Training Course May 14-18, 2007. Designed with oil spill response personnel in mind, students will gain enhanced decision-making skills through classroom instruction and hands-on oil recovery operations training in the Ohmsett test basin where they will deploy and operate different types of booms and skimmers (stationary and advancing) to contain and recover REAL oil. Instruction will be provided by Texas A&M University Corpus Christi National Spill Control School. More info at [www.ohmsett.com/Training\\_Registration.asp](http://www.ohmsett.com/Training_Registration.asp) or contact [scunneff@ohmsettnj.com](mailto:scunneff@ohmsettnj.com)

### **3.c) 1ST KIEL SIDESCAN SONAR WORKSHOP**

L-3 Communications Klein Associates, in conjunction with MBT and Chesapeake Technology will provide the 1st Kiel Side Scan Sonar Workshop. The workshop will be held at the Hotel Kieler Yacht Club in Kiel, Germany from 23-27 April 2007. The course will include classroom instruction on Side Scan Sonar principles, concepts and sonar data processing as well as in water demonstrations.

## **4. EVENTS**

### **4.a) 40th MMF - RUSH WITH THOSE SCIENTIFIC ABSTRACTS!**

The Call for Papers for the 40th Marine Measurement Forum (MMF) has resulted in some fascinating abstracts being submitted, but there are still a few presentation slots available, with priority being given to science-based projects. The 40th MMF will be hosted by Fugro GEOS and held at the Shillingford Bridge Hotel (near Wallingford), Oxfordshire, UK on 16 May 2007.

Abstracts comprising a title and summary of content should be submitted to Maria Silva at [m.silva@geos.com](mailto:m.silva@geos.com) immediately. Planned presentations should be between 15 and 20 minutes in duration. The programme will offer a balance between scientific research, instrumentation, survey, etc and be announced in April 07. Registration information is available from Maria Silva at Fugro GEOS, cost of attendance is £37.50 (+VAT) per person.

### **4.b) CHINA GEO-TECH 2007**

The second CHINA GEO-TECH will take place at Shanghai Exhibition Center from November 20 – 22 2007. CHINA GEO-TECH is the only geology exhibition organized by China Geological Survey and it is the premier venue for the sector to show case and to exchange the latest on technological explorations. It would sure be one of the most effective promotional opportunities you may consider for this year. The main scope of exhibits includes Geophysical, Geotechnical and Geodetic Instrument and Equipment, Urban Geology, Oil and Gas Exploration Equipment, Marine Geological Survey and Prospecting Equipment etc. For more info Email: [tobyleung@together-expo.com](mailto:tobyleung@together-expo.com)

## **5. WHO'S ON THE MOVE?**

### **5.a) PETER MARKUNAS AND BETH HAYS JOIN WOODS HOLE GROUP**

Peter Markunas of Eastham and Beth Hays of Brewster have joined the company as Coastal Engineer and Environmental Permitting Specialist, respectively. Mr. Markunas brings over 35 years of experience in engineering and environmental design, planning, and construction. Ms Hays has been working with Mr Markunas for the past six years and has cultivated close working relationships with various regulatory agencies and program regulators throughout New England. [www.woodsholegroup.com](http://www.woodsholegroup.com)

### **5.b) PETER HUNTER JOINS HR WALLINGFORD**

Peter Hunter has joined HR Wallingford as a Technical Director, to work on the planning and conceptual design of port, coastal, waterway and barrage projects. He joins HR Wallingford from Jacobs (previously Sir Alexander Gibb & Partners) with over thirty years' international experience in the coastal and maritime sector. As well as having been responsible for numerous port and harbour projects, Peter also brings considerable tidal barrage expertise. He led the design team for the Cardiff Bay Barrage and has a continuing role as Lender's Supervisor for the European Bank for Reconstruction and Development, working with Jacobs on the 25km St Petersburg Flood Protection Barrier.

## **6. JOB POSTINGS**

### **6.a) APPLANIX SEEKS CUSTOMER SUPPORT ENGINEER, UK**

Applanix Corporation are looking for a Customer Support Engineer to be based in the UK. The successful candidate will provide advice and consultation on applications, product performance, installations and complex customizations of Applanix products to customers, internal sales personnel and product managers. The ideal candidate will have an Engineering degree in Geomatics or equivalent and knowledge and practical experience in geodetic GPS applications. For More details on the position visit [www.applanix.com](http://www.applanix.com) or email resume to [hr@applanix.com](mailto:hr@applanix.com).

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