

# Ocean and Earth Science “Life after Graduation” Alumni Careers Event 2012

## **Event Programme**

Tuesday 6 March 2012  
10am – 4pm  
National Oceanography Centre, Southampton

Sponsored by



## Welcome to the fourth annual Ocean and Earth Science “Life after Graduation” Alumni Careers Event.

We are delighted that you are here today and hope that you find the event as valuable as our students and alumni have done in the past. Please read on for further information on this year’s event, including a full list of all attending exhibitors and panellists.

### Event timetable

10am	Careers Event begins
10:30am - 12 noon	Panel 1: Oceanography and Marine Biology
1:15pm - 2pm	Short talks for students (CV writing and interview skills)
2:30pm - 4pm	Panel 2: Geology and Geophysics
4pm	Careers Event concludes

### Ocean and Earth Science, University of Southampton

The University of Southampton has a well-established reputation for its outstanding research and degree courses in Ocean and Earth Science. We are also known for our relaxed, friendly and informal atmosphere, which affords students a stimulating environment in which to learn and acquire essential scientific and key work skills.

Ocean and Earth Science students are based at the prestigious National Oceanography Centre, Southampton (NOCS).

NOCS is the integrated collaboration between the Southampton-based part of the Natural Environment Research Council’s National Oceanography Centre, and the University of Southampton’s Ocean and Earth Science. The Centre hosts one of the world’s largest groups of scientists and engineers devoted to research, teaching and technology development in Ocean and Earth Science.

It is our ability to offer innovative courses, delivered in a research-led environment by leading experts in the field, which characterises our degree programmes.

The work of our academics is highly regarded. In the last UK survey of research excellence (RAE 2008), 70 per cent of our submissions were ranked as ‘world leading’ or ‘internationally excellent’.

### Event sponsors: Fugro

This year’s event is sponsored by Fugro, one of the top employers of University of Southampton Ocean and Earth Science graduates.

Fugro provides the people, equipment, expertise and technology that support the exploration, development, production and transportation of the world’s natural resources. Fugro also provides its clients with the technical data and information required to design, construct and maintain structures and infrastructure in a safe, reliable and efficient manner.

Services that are provided locally are supported by a global knowledge base and resource pool of experienced personnel. Fugro employs in excess of 13,500 staff in more than 50 countries.

Fugro was founded in the Netherlands in 1962 and has been listed on the Amsterdam stock exchange of NYSE Euronext since 1992. Fugro was included in the AEX-index as of September 2008.

Please read on to hear from our exhibitors and panellists.

## Fugro GeoConsulting

Fugro's GeoConsulting services merge Environmental, Geophysical, Geological, Geohazards and Geotechnical Engineering resources. This powerful combination of data acquisition and consultancy skills provide the complete integrated solution to accurately identify and quantify seabed and sub-seabed risks and optimise the location, design and installation of turbines, cables and sub-station structures. Services we offer include: Desktop and Feasibility Studies, Environmental Impact Assessments, Geohazard Risk Analysis, Site Surveys and Investigation, Laboratory Testing, Geotechnical Analysis and Foundation Design, Data Integration and Management, and Consultancy.

## Fugro GEOS Ltd

Fugro GEOS is the world's leading supplier of meteorological and oceanographic (metocean) services for offshore and coastal engineering applications. With over 30 years experience in a diversity of projects world-wide, we are well placed to respond to the metocean needs of our clients. Operating on a global basis, we offer metocean solutions through cost-effective, high quality and technically advanced measurement, consultancy, information systems, ocean observing systems, forecasting services and platform and riser response monitoring. Our clients capitalise on the talents, experience and specialist skills of over 200 staff - experienced oceanographers, meteorologists and marine environmental scientists, supported by fully qualified engineering, workshop, administration, development and information technology staff.

## Fugro Survey Limited

Fugro Survey Limited forms part of Fugro's Offshore Survey Division and has bases in Aberdeen and Great Yarmouth. Fugro Survey Limited operates a fleet of five vessels that are permanently equipped with survey spreads, all of which are primarily geophysical (including AUV) and hydrographic survey vessels. We also provide precise acoustic positioning equipment and services. Environmental survey data acquisition and interpretation is a core component of our work. Geophysical operations are conducted primarily on the North West European Continental Shelf, Mediterranean, and West African regions whilst environmental surveys are performed worldwide. The company employs a range of technical and scientific staff including geophysicists, environmental scientists, surveyors, cartographers and engineers.

## Deloitte Petroleum Services

In the Petroleum Services group at Deloitte, we deliver Information Solutions and Advisory Services to help companies succeed in today's multi-faceted global oil and gas industry. Our Information Solutions, an integrated suite of decision support tools covering all the major oil and gas provinces, enable clients to visualise accurate and up-to-date information from spatial (PetroView®), financial (PetroScope®) and reporting (PetroReports®) perspectives. Our Advisory Services team assists industry players to predict and adapt to the challenges of ever-changing regulatory, political, economic and technical environments. These Solutions and Services help clients gain insight and develop strategies, enabling them to increase financial and operational performance.

## EGS International Ltd (EGSi)

EGS (International) Ltd (EGSi) is part of the EGS Group, a leading international group of companies specialising in marine surveys. The EGS Group was originally founded in the UK in 1974. In 1999 the company was re-structured and as a result EGSi was founded to cover operations in the UK, Europe, the Middle East and Africa. EGSi currently employs more than thirty professionals from the fields of geophysics, geology, oceanography and engineering. The company has an extensive inventory of state-of-the-art survey equipment and uses the latest computer software for data processing and interpretation. With a successful proven track record, EGSi provides its clients with practical and innovative solutions providing a range of specialist services to the maritime construction, telecom, power, renewable energy, oil and gas and mining industries.

## EMU Limited

EMU Limited is a marine consultancy, survey and laboratory testing specialist. We provide worldwide services in support of infrastructure planning, consenting and development, environmental protection and resource and facilities management. We supply our services to support marine aggregates, power and renewables, oil and gas, water utilities, ports and harbours, coastal engineers, facilities management and leisure sectors. With over 150 enthusiastic and talented staff representing leading experts in the industry, six survey vessels and an extensive range of in-house equipment and laboratories, EMU provides a unique capability, combining a wealth of scientific specialists in both consultancy and survey services.

## IBM

IBM is a globally integrated enterprise operating in over 170 countries. Today IBM UK has around 20,000 employees, bringing innovative solutions to a diverse client base to help solve some of their toughest business challenges. In addition to being the world's largest IT and consulting services company, IBM is a global business and technology leader, innovating in research and development to shape the future of society at large. IBM's breadth of client offerings is unrivalled, covering the full range of hardware, software and services. IBM's graduate scheme (called Foundation) reflects the diverse nature of our company, recruiting 250-300 graduates per year across a wide variety of technical and business roles.

## ION - GX Technology (GXT)

GX Technology (GXT) joined the ION family of companies in June 2004. ION is a leader in advanced seismic processing for data acquired in the marine environment. Our GX Technology (GXT) group boasts some of the foremost experts in complex marine data processing. We have vast experience with the key advanced marine processing techniques, including demultiples, velocity modelling, PreSDM, and subsalt imaging. Our Image-Driven approach and innovative technologies produce the highest fidelity land and marine subsurface images and reduce the risk and cost of finding and producing hydrocarbons. By developing new technologies, new methodologies and new business models, we provide our clients with significantly greater value in their seismic data.

## Mott MacDonald

We are a uniquely diverse £1 billion global consultancy, delivering leading-edge solutions for public and private sector clients across 12 core business areas. As one of the world's largest employee-owned companies with more than 14,000 staff, we have principle offices in nearly 50 countries and projects in 140. We work with our customers and use our worldwide resources and experience to: plan, design, procure and deliver projects on any scale; provide management consultancy built on technical know-how; help shape and implement development policies and programmes; and advance sustainability and promote the wellbeing of the planet.

## Neftex

Neftex is recognised as the industry leader in the provision of web-based sequence stratigraphic products and their application. These products and services provide a comprehensive picture of subsurface geoscience, helping to reduce risk and increase value across multiple sectors including Mining, Petroleum, Finance and Publishing. Established in 2001 and now with over 70 UK-based staff, Neftex are building, maintaining and developing the first commercially available Earth Model. Our Earth Model has global coverage and can deliver efficiencies through our products and workflows. The Neftex Earth Model is constantly updated and all products integrated to ensure a comprehensive global view.

## Oil Spill Response Limited - (OSRL)

Oil Spill Response Limited (OSRL) is the world's largest 24/7 emergency response organisation of its kind, dealing with oil spill incidents anytime, anywhere in the world by providing expertise and specialist equipment. It is an industry cooperative funded by over 120 oil and gas companies. OSRL maintains bases in the UK, Singapore and Bahrain, and has regional offices and representatives in Houston (USA), West Africa, North Africa, Aberdeen (UK) and Jakarta (Indonesia). Beyond oil spill response activities, OSRL also offers a range of additional services to support the industry in being prepared for potential incidents.

## Ordnance Survey

Ordnance Survey is Great Britain's national mapping agency, providing the most accurate and up-to-date geographic data, relied on by government, business and individuals. Our mapping database is updated daily with an average of 5000 changes, and is a consistent framework for the referencing of geographic information. To compliment the premium datasets Ordnance Survey also provides free and unrestricted access to a large range of mapping via OS OpenData™, a service that helps underpin a range of applications, promote government transparency and encourage greater take up of GI. Ordnance Survey data is relied on by us all. Today, Ordnance Survey's high quality, professionally maintained geographic data has never been more accessible or more widely used.

## Royal Navy

The UK is an island nation, so we understand the importance of controlling and defending our seas. We are a fighting force, serving alongside our allies in conflicts around the world. We protect Britain's ports, fishing grounds and merchant ships and tackle international smuggling, terrorism and piracy. A career in the Royal Navy is more than just a job – it's a way of life. Come and find out how you can live a Life Without Limits in the Royal Navy.

## RPS Group

RPS Group is a major global energy, planning and environmental consultancy with over 4,000 staff and with offices in Europe, Australia, SE Asia, Middle East, Russia, Africa, America and Canada. RPS Energy is a major division of the RPS Group offering multi-disciplinary consultancy and providing technical, commercial and project management services to the upstream, midstream and downstream petroleum industry as well as the on and offshore renewables industries. Capabilities cover a broad spectrum and include geoscience, petroleum engineering, economics, HSE, risk management, management consultancy and operational QA/QC and program management.

## Seastar Survey Ltd

Seastar Survey is an independent survey company setup in 1999, with an office and laboratory based in Southampton. We supply a range of environmental, oceanographic and hydrographic services to both the offshore and coastal industries, and pride ourselves on a positive and flexible approach to our clients' needs. We primarily specialise in habitat mapping, environmental impact assessment, and environmental monitoring surveys and complete much of this work from our own coastal survey vessels. Our aim is to offer an unbeatable level of service to our clients through our expertise in marine science and surveying, laboratory services, survey vessel operation and project management.

## Senenergy

Founded in 2005, Senenergy delivers services and solutions to all energy sectors. These services span the full project life cycle of any energy development from initial evaluation of the opportunity, its associated risks, challenges and outputs through to full delivery and operation. Much of our expertise has been developed in the oil and gas environment but we are committed to applying this knowledge, technology and safety culture in emerging markets such as renewables and alternative energy. Senenergy operates across the globe in many energy sectors delivering technical and operational solutions to help our clients realise the value from their asset.

## **The Southern Inshore Fisheries and Conservation Authority (SIFCA)**

The Southern Inshore Fisheries and Conservation Authority (SIFCA) was vested on 1st April 2011 and aims to champion and manage a sustainable marine environment and inshore fisheries within the SIFCA District. The District stretches from the Devon/Dorset border in the West to the Hampshire/Sussex border in the East and covers the entire counties of Dorset, Hampshire and Isle of Wight and the coastline out to 6 nautical miles from baselines. SIFCA was constituted under the Marine and Coastal Access Act 2009 and is tasked with the sustainable management of inshore sea fisheries resources in their local area.

## **SRK Exploration Services**

The SRK Group provides a truly comprehensive range of consulting services to the mining industry. Our services include geological modelling, resource estimation, mine design and scheduling, geotechnics, water management, tailings disposal, metallurgy, environmental management, geochemistry and technical-economic modelling. SRK Exploration Services in particular can assist in grass roots through to advanced stage exploration projects that involve mapping, sampling, drilling and geophysics. Finally we can either assist directly with technical aspects such as geological and geophysical fieldwork, or review such work done by others as part of, for example, prospectivity reviews, target generation, due diligence exercises and audits.

## **Weatherford UK Ltd**

One of the largest oilfield services companies, Weatherford operates in more than 100 countries and employs more than 50,000 people worldwide. With a product and service portfolio that spans the life cycle of a well— drilling, evaluation, completion, production and intervention— and a robust research and development effort, we are well positioned to meet the ever-evolving needs of the oil and gas industry. Turn to Weatherford for attentive service and Tactical Technology™ designed to maximize the value of your oil and gas assets. The change will do you good.

## **University of Southampton Office of Development and Alumni Relations**

Our global community of former students spans 179 countries and has more than 178,000 members. Wherever you are now and whatever you end up doing, we hope you will keep in touch! The Office of Development and Alumni Relations offers its members a number of benefits. Find out how you can stay connected with the University and take advantage of being a member of the alumni community. You will be able to access information about alumni services, benefits, events and engagement. You will also be able to talk to some members of our Development and Alumni team about any other questions you may have.

## **University of Southampton Career Destinations**

Visit the University's Career Destinations stand to find out how we can help you with career planning throughout your time at University and beyond. You can pick up handouts relevant to your programme of study, directories of graduate employers and a copy of our Career Planning Guide. Browse reference books and find out about our varied programme of careers events. There will also be materials to help with your CVs and applications and a chance to ask any questions you may have.

## **University of Southampton Postgraduate Study**

Whether you are looking to extend your study, expand your career horizons or take on a new direction, the University of Southampton has a postgraduate programme for you. One of the UK's top research intensive universities, we offer postgraduate education across a range of subjects: over 140 taught programmes, including MA, MSc and MBA; a range of combined taught and research opportunities, including MRes, New Route PhD and EngD; and over 200 PhD research areas. You will work with internationally-respected academics and experience world-leading research. Applications are welcomed throughout the year and studentships are available.

Thank you to all of the companies, organisations and individuals attending our fourth annual Ocean and Earth Science “Life after Graduation” Alumni Careers Event. We greatly appreciate your support of the event and our current students.

## Oceanography and Marine Biology Panel

### **Katy Ambery, Fugro GEOS Ltd**

Since graduating with an MSc in Oceanography in 2010, Katy has worked within the consultancy team at Fugro GEOS Ltd. Katy is responsible for the processing, analysis, interpretation and presentation of metocean data in client focused reports. She has also started to manage reporting projects and recently completed her offshore training course.

### **Sarah Birchenough, The Southern Inshore Fisheries and Conservation Authority (SIFCA)**

Sarah graduated from the University of Southampton Master of Marine Biology programme in 2010 and is currently an Inshore Fisheries and Conservation Officer for the Southern Inshore Fisheries and Conservation Authority. Sarah's role is as an enforcement and environment officer, enforcing fisheries legislation and conducting research into marine environmental issues.

### **André Cocuccio, Maritime and Coastguard Agency (MCA)**

André graduated from the University with an MSc in Oceanography in 2000. He is now a marine geoscientist specialising in seabed survey and mapping to support navigation safety in UK home waters. André is the Principal for the UK's national seabed charting survey - the UK Civil Hydrography Programme (CHP) - and is the Director for the European seabed mapping project 'INIS Hydro'.

### **Rachel Hooke, RPS Group**

Rachel is a recent graduate of the University, where she studied the MSci Marine Biology and Oceanography course. She now works for RPS Energy in London as a Senior Environmental Consultant, supporting a range of international clients in EIA, SEA and other environmental services.

### **David White, Oil Spill Response Limited (OSRL)**

David graduated with a BSc in Geology in 2000, following which he joined Oil Spill Response Limited (OSRL) on a short-term work experience contract. He then left for a Marine Science Masters Degree and later returned to OSRL. Having worked in a number of roles internationally, he now manages the Consultancy Department.

## Geology and Geophysics Panel

### **Dan Marsh, SRK Exploration Services**

Dan graduated from the Master of Geophysics programme in 2008 and joined the Africa-Europe exploration group of Rio Tinto. He then joined SRK Exploration Services in late 2009 as an Exploration Geophysicist. In both roles Dan has planned, undertaken and reviewed geophysical surveys to identify structure, mineralisation and potential drill targets.

### **Tim Broadhouse, Corfe Hills School**

Tim has been a full-time teacher at Corfe Hills School since 2002, after graduating from Southampton in 2001 with a BSc in Geology. Tim has run the small but successful Geology department throughout this period and has also worked his way up to be Director of Sixth Form.

### **Michael Smart, Mott MacDonald**

Michael graduated from the University of Southampton in 2010 with a Master of Geology and then went on to study at Imperial College, London for an MSc in Hydrology and Water Resources Management. He has specific interests in contaminated land and groundwater and works within the Integrated Water Resources Team at Mott MacDonald in Cambridge.

### **William Symons, Senergy**

Having graduated with a Geology MSci degree in July 2011, William has gone on to be a Support Geoscientist with Senergy. He is primarily within the Software division, working and providing services with the ODM (Oilfield Data Manager). Geological consultancy also plays a role in William's work and he has spent time with exploration teams.

### **Richard Hamilton, EMU Limited**

Richard graduated from Geophysics at the University in 2008 and is now a Chief Geophysicist working within the Geosurvey department at EMU Limited. He is responsible for overseeing the company's geophysical operations including all technical, quality and health and safety aspects. Richard is involved in project management, undertaking offshore survey operations, conducting data processing and leading development of EMU's geophysical capabilities.



## Careers and employability

One of the most important issues our students face is their future employability, and the University places a strong priority on preparing our students for “life after graduation”. We also recognise that our alumni offer a wealth of experience, which leaves them well placed to offer invaluable advice to the next generation of Southampton graduates.

In Ocean and Earth Science we have an excellent record for supporting our students in their pursuit of future employment. This is the fourth year that we have run the “Life after Graduation” Alumni Careers Event, with the event growing in size and popularity every year.

In addition to this we maintain a high level of engagement with employers, both as a whole and through our dedicated academic staff. We also work closely with the University Career Destinations service to ensure that our students constantly receive the most up-to-date information and potential employment opportunities.

In the summer of 2011 we carried out a comprehensive survey to understand the career destinations of our Ocean and Earth Science alumni. The results of this survey were fantastic and support our ongoing commitment to raising the career prospects of our students. For example, the survey showed that our alumni are highly employable, with 93% of the graduates who responded being in employment or further study within six months of graduating. This meets, and in some degree fields exceeds, University averages.

Thank you again for your support of this event.

[www.southampton.ac.uk/oes](http://www.southampton.ac.uk/oes)