Immerse: dive deeper …
Corioli Souter, Exhibition Curator – Immerse, Curator – Maritime Archaeology, WA Museum
11.00am, Sunday 16 October, Thursday 10 November and Friday 16 December
Want to know more about these fascinating objects? From the one atmosphere ‘Jim’ suit to the clever technology that allows us to map the seabed, explore the key individual object stories of the Immerse exhibition.

What does an underwater engineer do?
Ian Wilson, Subsea Engineer, Churchill Fellow, SUT – Perth Committee
11.00am, Saturday 10 December
Where does the gas for your home come from? A long way from Perth, way below the seabed… Underwater engineers hold the key to unlocking this valuable energy resource.

Exhibition showing
3 September 2011 – 2 March 2012
Western Australian Museum – Maritime
Victoria Quay, Fremantle
Lecture Program
Presented in association with the Society for Underwater Technology

Adventures in subsea technology: new horizons, new challenges
Terry Griffiths, Principal Pipeline Engineer at JP Kenny; Society for Underwater Technology – Perth Chairman
6.00pm, Friday 23 September
NWS Shipping Theatre

Western Australia has gained much from underwater technology – from pearl diving off Broome to the new horizons for offshore mega-gas projects. Join Terry Griffiths for a fascinating insight into the recent challenges which have been overcome in subsea exploration. These developments are providing the tools and knowledge needed for tackling the complex mega-gas projects which are currently a focus of resource development off the WA coast. This includes the potential opportunities for bright minds to pursue rewarding and challenging career pathways in subsea technology.

Along the way we will explore the extraordinary creatures which live deep in the ocean and look at the future potential for marine science and subsea engineering to power us towards a more sustainable future.

Woodside-operated Angel Gas and Condensate Project
Harry Mackay, Principal Subsea Engineer, Woodside Energy Ltd., Society for Underwater Technology – Perth Committee
6.00pm, Wednesday 19 October
NWS Shipping Theatre

The A$1.6 billion Angel project represents a first for the Woodside-operated North West Shelf (NWS) Project. Positioned 120km offshore of Karratha in about 80m of water, the gas processing facility was designed to be not normally manned (NNM). It is powered and remotely controlled via a subsea cable from the North Rankin A platform situated 50km away.

The challenge was to deliver not only the NWS Project’s first but Australia’s largest NNM platform, which was achieved safely, on time and under budget. Angel is believed to be the most complex, highest production, glycol dehydration NNM facility in the world, with state of the art environmental management.

Join Harry Mackay as he discusses the subsea design and engineering challenges that were overcome to deliver this world class asset, and why in 2009 it won the Engineers Australia – Engineering Excellence Award (WA Division).

COST $12 per person. Includes refreshments after the lecture
Bookings Essential on 9431 8455. Please RSVP by 5.00pm, Wednesday 21 September, 2011.

There are old divers and bold divers, but there are no old bold divers...
Ray Farrier, Managing Director, Unitech Subsea Australia; Society for Underwater Technology – Perth Committee
6.00pm, Friday 18 November
NWS Shipping Theatre

Saturation divers live, eat and breathe (sometimes weeks at a time) under pressure in a pressurized steel tube they call home. Going to work in a pressurized diving bell and working hundreds of feet below some of the roughest oceans in the world, in a world inhabited by creatures that live in the dark...not a job for the faint hearted!

Ray was a former member of the elite British Commando Brigade based in Plymouth-UK. In 1974 and looking for even bigger adventures Ray ventured offshore into the (then fledgling) North Sea oil & gas industry as a commercial diver. In 2004 Ray hung up his diving boots but over his 30 years of diving had spent collectively over 1500 days encapsulated in a saturation diving chamber living in a twilight world, a world where survival was completely dependant on others. Come and hear the perils and pit falls of what it takes to be a commercial deep sea diver.

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