

# Evening Technical Meeting: The Role of Marine Science & Technology: Beyond Oil & Gas

Wednesday, 8<sup>th</sup> June 2016 – Parmelia Hilton Hotel (Swan Room), Mill St. Perth

Onsite Registration 5.30 pm: Presentations 6.00 pm – 7.30 pm Networking over drinks and finger food 7.30 pm – 8.30 pm

**To register for the event visit [www.trybooking.com/KLWX](http://www.trybooking.com/KLWX)**

Chaired by: Paul Upjohn, Regional Manager ANZ Roxar , Emerson Process Management

Australian Industry & Defence Network – Brief overview of AIDN-WA by Serge DeSilva, President, AIDN-WA

## From offshore installations to artificial reefs: legal frameworks for de-commissioning in Australia

**Professor Erika Techera, Faculty of Law and the Oceans Institute, The University of Western Australia**

The offshore oil and gas industry is facing the prospect of de-commissioning thousands of installations in the coming decades. The financial cost of complete removal is significant, and therefore the prospect of leaving part of the installation in situ is attractive. Converting rigs into artificial reefs has proved successful in the US, but it is unclear whether such initiatives are transferable to other countries given very different physical and regulatory contexts. Further research is needed into de-commissioning options, risks and rewards including financial advantages and non-financial benefits. Current legal frameworks in Australia, and under international law, will be explored and much can be learnt from the US and UK in making recommendations for future developments in Australia.

## Marine acoustics studies in Western Australia with emphasis on the use of sea noise to study our marine environment.

**Robert McCauley, Associate Professor, Curtin University's Centre for Marine Science and Technology**

The Centre for Marine Science and Technology (CMST) is a research centre operating within the Department of Physics at Curtin University. The CMST has a teaching and research role with active researchers in: vessel dynamics, particularly vessel motion and under-keel clearance; sonar use and applications; underwater stereo vision; marine acoustics; animal ecology; and impacts noise on marine fauna. We have approximately 20 PhD students. This talk will give a brief introduction to the CMST then focus on the use of passive acoustics in elucidating patterns in marine fauna habits, particularly pygmy blue whales which frequent Western Australian waters.

## Hyperbaric Intervention in Submarine Rescue

**Doug Austin, Director – Asia Pacific, James Fisher Defence**

JFD is a leading specialist underwater company providing submarine rescue services and deep diving systems. Technologies and techniques developed for human survival in the ocean depths required to support the oil and gas industry have been adapted to provide a faster, highly mobile and comprehensive rescue capability for the world's submariners in the event of a survival submarine accident. Submariners trapped in a stricken submarine may require the intervention of both external saturation divers, pressurised rescue submarines and surface recompression facilities to deal with the physiological effects of deep submergence during their rescue. This presentation seeks to explain the challenges and techniques deployed to enhance the odds of successful rescue.

**REGISTRATION FEES:** SUT Members \$25: Non-Members \$45\* (additional \$5 if register at the door)

### Event Sponsored by:



Join the Society of Underwater Technology Now  
\*New Individual Members can attend  
this Evening Meeting **Free\***  
Apply for Membership today by visiting [www.sut.org.au](http://www.sut.org.au).

(1.5 CPD hours can be claimed for this event.  
Please keep flyer and receipt for auditing purposes.)

SUT Evening Technical Meeting registrations are now online. Payment during the registration process (via Mastercard or Visa credit card) is required in order to secure your place. Should your organisation wish for an invoice, all names will be required upfront and changes in delegate numbers will not be permitted. To request an invoice please email [perthevents@sut.org](mailto:perthevents@sut.org) with all delegate names. Should you have any questions please contact the SUT on + 61 (0) 8 9446 9903 or email [perthevents@sut.org](mailto:perthevents@sut.org).