Celebrating 50 years in 2016

Evening Technical Meeting:

Life Extension and Protection of Assets

Wednesday, 6th April 2016 – Parmelia Hilton Hotel (Swan Room), Mill St. Perth

Society for Underwater Technology

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/KLNN

Chaired by: Rex Hubbard, Atteris, Business Stream Leader – Flow Assurance & Subsea

Life Extension – The Wandoo Story

Abigail Anderson, Operations Engineer, Vermilion Oil and Gas Australia

The Wandoo field, located 75km North West of Karratha in Western Australia, is owned and operated by Vermilion Oil and Gas Australia. Operated since 1993, key infrastructure is now nearing its design life. Vermilion are in the process of completing life extension of its assets to support ongoing production. An overview of the life extension scopes will be presented focusing on the key project activities, inspection methods and contractor engagement.

Maintaining Old Equipment / Protection

Tuan Do, Engineering Lead North Area - Subsea Services, FMC Technologies

A great deal of time and effort is spent engineering subsea equipment to operate effectively in the harsh conditions on the seafloor. However, throughout the life of an equipment, they can be exposed to added environmental and extreme conditions which may get overlooked; cold and hot weather, sea spray, prolonged UV exposure, and extended durations in humid settings. These extreme environments can cause considerable amounts of damage and degradation if left unchecked. Understanding and applying preventative maintenance strategies at the correct stage of equipment's life cycle is paramount to maximizing uptime, reliability, and service life for your assets.

Data Recovery From Historic Shipwrecks: Corrosion Layers Reveal the Past, Present & Future

Dr Ian Macleod, Executive Director, Fremantle Museums and Collections

Shipwreck artefacts provide logged data on the oceanographic microenvironment reaching back for hundreds of years. Graphitisation of cast iron on reefs provides a very reliable modelling of the flux of dissolved oxygen in a highly turbulent situation. Uneven concretion patterns warn of localised attack as the rate of concretion formation responds to localised corrosion rates as does the in-situ pH. Asset management teams need to tap into this resource to protect infrastructure which is being pushed beyond original design life.

POSTER BOARD - Life Extension and Protection of Ageing Assets, Through Friction Stud Welding

Questions Answered by: Linden Jones, Regional Engineering Manager, Proserv

Friction Stud Welding (FSW) is a little known, but exciting technology, that can be used for various applications in the Oil & Gas Industry. It is applicable for topside applications in zone rated areas, where traditional welding methods cannot be used. It is also suitable for subsea where repair and maintenance is required, due to damage to the existing infrastructure, or just maintaining the current installation. This technology has been used globally for various subsea applications both with and without divers, depending on water depth and client preferences. It can be used to prolong life of field, largely in the application of anodes where additional cathodic protection is required.

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

Event Sponsored by:

FMC Technologies

seaq

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.

(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 with all delegate names. Should you have any questions please contact the SUT on + 61 (0) 8 9481 0999 or email perthevents@sut.org.