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# **Subsea Controls DownUnder 2-Day International Conference**

17<sup>th</sup> - 19<sup>th</sup> October 2011

Parmelia Hilton Hotel  
Mill Street, Perth,  
Western Australia

This international conference in the field of Subsea Controls and Umbilicals is aimed at those engaged in remote control and monitoring of subsea systems. This conference, provides a unique forum for the supplier and operator of subsea technology to exchange views and experiences.

## PROGRAMME:

### ICE BREAKER

Monday 17th October 2011

17:30 Board the MV Lady de Vine at Barrack Street Jetty, then sail to Fremantle to visit the Immerse Exhibit at the Maritime Museum, then reboard the MV Lady de Vine and cruise back to Barrack Street Jetty. Food and drinks will be served onboard

### DAY ONE

Tuesday 18th October 2011

08:30 Registration and Coffee

09:00 Welcome by Terry Griffiths, SUT Perth Branch Chairman

09:05 **Keynote Speech**  
Sean Salter, Woodside Energy Limited

**Session Chairperson: Harry MacKay, Woodside Energy Ltd.**

09:30 **Improved Integrity & Reliability for Subsea Hydraulic Multi-function Connections—the FLX Series**  
Jian-Paul Nuzzo, GE Oil & Gas

10:00 **Delivering High Reliability in Harsh Subsea Regimes: An Approach to Subsea Control Fluid Development & Performance Testing**  
Chris Morrissey, Team Leader - Energy Lubricants, Castrol Offshore

10:30 Coffee / Tea

11:00 **Linux Operating System on Master Control Station - the Alternative Way**  
Thomas Marwedel, Software Lead Engineer & Ulrich Kleine, Cameron

11:30 **Verifying Reliability & Validating Robustness for Subsea Electronics**  
Steven Simpson, GE Oil & Gas

12:00 **Insulation Resistance and Reliability**  
Barry Leach, Projects and Applications Manager, Controls and Instrumentation, Expro Connectors and Measurements

12:30 Lunch

**Session Chairperson: Jim Cattanach, Xodus Group**

13:30 **Life of Field Tool for Optimal Subsea Design, Condition Monitoring, Virtual Metering and Flow Assurance Advice using a Common Field Model**  
Asbjørn Bakken, Marit Larsen & Bjarne Grimstad, FMC Technologies

14:00 **Future of Copper Communication Versus Fibre Optics**  
Grunde Simonstad, Supervising Engineering Specialist Subsea, INTECSEA

14:30 **Solutions for Reliable and Accurate Measurement of Water Production in Subsea Wet-Gas Fields**  
Lex Scheers, Hint Engineering & Arnstein Wee, MPM

15:00 Coffee / Tea

15:30 **Obsolescence Management and Avoidance of Counterfeit Components for Subsea Electronics**  
Ray Phillips, GE Oil & Gas

16:00 **Latest Developments in Acoustic Subsea Control and Monitoring for the Drilling Industry**  
Lindsay MacDonald, Director of Technology, Nautronix Marine Tech. Solutions

16:30 **Discussion and Day Wrap Up**

18:30 **Conference Dinner - Stirling Room, Hilton Hotel**



### DAY TWO

Wednesday 19th October 2011

08:30 Coffee

08:55 Welcome

**Session Chairperson: John E. Bodine, Chevron Australia Pty Ltd.**

09:00 **DC All-Electric Subsea Production Control System – The 2nd Generation**  
Stefan Knepper, Engineering Director & Jan van den Akker, Cameron

09:30 **Electrohydraulic Actuator for HIPPS and SIL rated SSIV**  
Per Ragnar Dahl, Senior Specialist Engineer, Nemo Engineering

10:00 **Electrical Integrity Issues of Subsea Distribution Equipment and Umbilicals**  
Neil Douglas, MD, Viper Subsea Ltd.

10:30 Coffee / Tea Break

11:00 **Control System Upgrades for the Tordis & Vigdis Oil Fields - A Project Case Study of Revitalizing Brown field Developments**  
Vivien Powell & Ray Phillips, GE Oil & Gas

11:30 **The Future of Subsea Hydraulic Control Fluids**  
Simon McManus, VP, MacDermid Offshore Solutions

12:00 **Long Term Corrosion Testing and Monitoring of Oxygen and Corrosion Potential in an Umbilical Design**  
L. Mehus & K. van Thoor, Aker Solutions  
D. Thierry & N. Larche French Corrosion Institute,  
U. Kivisakk AB Sandvik Materials Tech. & T. Cassagne, Total E&P

12:30 Lunch

**Session Chairperson: Norman O'Rourke, GE Oil & Gas**

13:30 **The Benefits of Open Communication Systems**  
Kevin Glanville, Design & Development Manager, Weatherford Production Optimisation

14:00 **Integrated Control System Architecture for Subsea Projects**  
Kathavarayan Raju, Controls and Data Management Product Manager, FMC Technologies (S) Pte. Ltd.

14:30 Coffee / Tea

15:00 **Development of a Novel Anti-Agglomerant with Reduced Pitting Potential for Offshore Umbilicals and Corrosion Testing of Stainless Steels in Presence of the Low-Dose Hydrate Inhibitor**  
Mark Charlesworth, Applications Engineering Manager, Baker Hughes Australia

15:30 **Fifty Glorious Years**  
Prof. Kevin Mullen, Executive Engineer, INTECSEA

16:00 **Session Discussion**

16:15 **Closing Remarks**

16:30 Networking over drinks & canapés

17:30 **Conference End**

**Subsea Controls DownUnder 17th - 19th October 2011**

- Venue:** Parmelia Hilton Hotel (Swan Room), Mill Street, Perth, Western Australia 6000
- Accommodation:** Delegates are required to make their own hotel reservations. Rooms have been held at the Parmelia Hilton Hotel, Perth. Please use following link for further details  
[http://www.hilton.com/en/hi/groups/personalized/P/PERHITW-GSUTB-20111017/index.jhtml?WT.mc\\_id=POG](http://www.hilton.com/en/hi/groups/personalized/P/PERHITW-GSUTB-20111017/index.jhtml?WT.mc_id=POG)
- Conference Proceedings:** Papers will be compiled to CD and will be made available at registration.
- Ice Breaker:** 5.30pm Board the MV Lady de Vine at Barrack Street Jetty, and sail to Fremantle to visit the Immerse Exhibit at the Maritime Museum, then reboard the MV Lady de Vine and cruise back to Barrack Street Jetty. Food and drinks will be served onboard (total trip - 4hr duration)
- Conference Dinner:** The conference dinner will be held at the Parmelia Hilton Hotel, (Stirling Room).
- Joining Instructions** Joining instructions will be e-mailed to each registered delegate.

**Registration Fees**

- SUT Members - Conference (includes Dinner on 18th October) - \$550.00 Inc. GST
- SUT Members - Ice Breaker on 17th October - \$66.00 Inc. GST
- Non Member – Conference (includes Dinner on 18th October) - \$600.00 Inc. GST
- Non Member – Ice Breaker on 17th October - \$77.00 Inc. GST

**Fee includes** - Lunch, tea/coffee, dinner on 18th, post seminar networking drinks and a CD containing available papers. If you have elected to attend the Ice Breaker – boat trip, drinks, canapés & Museum visit are all included.

**Preferred Payment Methods:**

- Credit Card:** AMEX\*, Mastercard or Visa ONLY. We cannot accept payment by any other card.  
\* Payments made by AMEX will attract a 2.75% surcharge.
- Cheque:** Australian Dollar only, made payable to The Society for Underwater Technology  
Send to, PO Box 7284, Cloisters Square, Perth, WA, 6850  
Please make sure you reserve a place by e-mail or fax before posting your cheque.
- Invoice:** Please provide PO. No.

**Registration Form**

Please e-mail completed form to [Perthevents@sut.org](mailto:Perthevents@sut.org) or fax to + 61 (0) 8 9446 9905

Please tick to indicate your preferred payment method: SUT Member No. \_\_\_\_\_

Credit Card \_\_\_\_\_ (Visa, MasterCard or AMEX \*) Cheque \_\_\_\_\_ Invoice (PO No.) \_\_\_\_\_

Please tick appropriate box.

- Conference/Dinner only
- Conference/Dinner & Ice Breaker
- Ice Breaker only

Name \_\_\_\_\_

Company \_\_\_\_\_

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Phone no. \_\_\_\_\_ E-mail address (s) \_\_\_\_\_

Credit Card No: VISA or MASTER CARD ONLY. \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

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Name on the card \_\_\_\_\_

Billing Address if not as above \_\_\_\_\_

Amount to be charged \$\_\_\_\_\_ Signature \_\_\_\_\_

E-mail address where receipt for credit card payment should be sent \_\_\_\_\_

For further information on this event, please contact Joyce Bremner [J.bremner@sut.org](mailto:J.bremner@sut.org) Tel: + 61 (8) 9446 9903  
To register, please e-mail completed registration form to [perthevents@sut.org](mailto:perthevents@sut.org) or fax the completed form to + 61 (8) 9446 9905



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Joyce Bremner - [j.bremner@sut.org](mailto:j.bremner@sut.org)

[www.sut.org.au](http://www.sut.org.au)