

Subsea Controls Down Under Conference

19th & 20th October 2016

Parmelia Hilton Hotel, 14 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.

The aim of this particular conference is to bring together the many diverse disciplines engaged internationally in Subsea Controls and Umbilical technology, to share experiences gained by discussing regional challenges, as well as new advances in global subsea technology. For this conference the theme will be "Enhancing Value for the Future: Lessons Learned and New Technologies", showcasing ways of bringing new ideas and technology to provide operational cost savings plus understanding from an operator's viewpoint how we can learn from experiences locally and internationally.

Major Sponsors:



Ice Breaker
Sponsor:



Coffee Cart
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Delegate Wallet
Sponsor:



Post Conference
Drinks Sponsor:



Wednesday
Lunch Sponsor:



Thursday
Lunch Sponsor:



Exhibitors include:      



Photos courtesy of FMC Technologies



Subsea Controls
Down Under 2016

Enhancing Value Through Technology

Subsea Controls Down Under

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Parmelia Hilton Hotel, 14 Mill Street, Perth,
Western Australia



Keynote Presenter: Sean Salter, Vice President Technology – Woodside Energy Ltd



Sean was appointed as Vice President Technology in 2015. He has over 27 years' experience in the oil & gas industry, 25 as a Subsea & Pipeline engineer.

Sean is responsible for the identification, development and maturation of technology (across the breadth of business) that can provide Woodside with strategic advantage.

Sean joined Woodside in 2004 and has been responsible for the development of Woodside's Subsea & Pipeline capability. Prior to joining Woodside, Sean worked for Shell International for 15 years in the North Sea, Gulf of Mexico, Brazil and West of Africa.

Session Chairs Include:

- Helena Forsyth, Principal Subsea Operations Engineer, INPEX
- David Keilty, SEV Team Lead, ABU Technical Authority – Subsea Control Systems & Umbilicals, Chevron Australia
- Harry Mackay, Subsea Package Lead, Subsea & Pipelines Function, Woodside Energy Ltd.
- Derek Thomson, Subsea Systems Lead – Prelude FLNG Project, Shell Australia



woodside

Ice Breaker Function

Date: Tuesday, 18th October 2016

Time: 6.00 pm - 9.00 pm

Venue: River Cruise (depart Barrack Street)

Cost: as per page 4

Details: Enjoy an evening cruise along the Swan River aboard the MV River Bells.

Proudly sponsored by



Conference Drinks

Date: Wednesday, 19th October 2016

Time: 5.10 pm – 6.10 pm

Venue: Parmelia, Hilton

Costs: as per page 4

Details: Enjoy post-conference drinks & canapés at the end of Day 1 of the conference

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SEA Suppliers Forum

Date: Thursday, 20th October 2016

Time: 5.15 pm – 7.00 pm

Venue: Parmelia, Hilton

Costs: as per page 4

Details: At the end of Day 2, Subsea Energy Australia will host the 7th Annual Subsea Suppliers Forum. Thursday conference participants are invited to attend to meet and talk with industry in an informal atmosphere as well as celebrate the conference over drinks and canapés.



Conference Organising Committee:



Ross Hendricks
FMC Technologies



Harry Mackay
Woodside Energy Ltd



Julien Levadoux
OneSubsea



Derek Thomson
Shell Australia



Harvey Smith
Woodside Energy Ltd



Paul Upjohn
ATV spa



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Ice Breaker, Tuesday, 18 October 2016:

18:00 – 21:00 A cruise along the Swan River aboard the MV River Bells
Official conference opening: Chris Saunders, SUT Perth Branch
Vice Chairman

SUT reserves the right to amend/change the programme as it sees fit.

*Photography/videos are prohibited at this conference
unless authorised by the SUT.*

DAY ONE

Wednesday, 19 October 2016

08:30 Registration and coffee
09:00 Welcome by Julie Morgan, SUT Perth Branch Chair

DAY TWO

Thursday, 20 October 2016

08:00 Registration and coffee
08:30 Welcome by Paul Upjohn, ATV spa.

Session A: Keynote, Big Data 1 & Upgrade / Obsolescence 1

Chairperson: Harry Mackay, Woodside Energy Ltd

09:05 **Keynote: Technology Disruption, Data Science & Subsea**
Sean Salter, Woodside Energy Ltd
09:30 **Effect of Condition Monitoring System on Availability of Subsea Equipment**
Leong Pei Chze, Forsys Subsea
09:55 **Integrated solution for Operational Metering, Surveillance and Condition Based Maintenance**
Luca Letizia, Schlumberger Software Integrated Solutions (SIS)
10:20 Morning Tea
10:50 **DC/FO, A Lean and Powerful DC Subsea Control Infrastructure**
Ronan Michel & Stephen Keenlyside, Alcatel-Lucent Submarine Networks
11:15 **System Sustainability & Obsolescence Management, the foundation for optimised life of field partnership**
Ned Chapman, GE Oil & Gas
11:40 **Power Buoy – Alternative Development Scenario with Minimal Umbilicals**
Benjamin Ahani, Aker Solutions
12:05 Lunch

Session C: All Electric 2 & Measurement 2

Chairperson: Derek Thomson, Shell Australia

08:35 **Subsea All-electric Technology: Now Available for the Future Field Developments**
Salvatore Micali, Aker Solutions
09:00 **Increasing Shareholder Value with Subsea Electric Actuation Systems**
Mark Perry, Wittenstein Motion Control GmbH
09:25 **The Subsea Internet of Things**
Brendan Hyland, WFS technologies Ltd
09:50 **On Umbilicals' and Power Umbilicals' Sensitivity to the Ambient Temperature**
Magnus Komperød, Nexans Norway AS
10:15 Morning Tea
10:45 **An economical subsea wet gas meter - reliable well production solutions for a low cost environment**
Alan Downing, Solartron ISA
11:10 **Monitoring Multiphase flows via Earth's Field Nuclear Magnetic Resonance**
Keelan O'Neill, UWA
11:35 **Online Real-time Corrosion and Erosion Monitoring of Subsea Pipework and Pipelines with Permanently or Retrofitted Installed Ultrasonic Sensor Arrays**
Edd Tveit, Sensorlink
12:00 Lunch

Session B: All Electric 1 & Measurement 1

Chairperson: David Keilty, Chevron Australia

13:05 **Panel Discussion: David Barker, Woodside Energy; David Keilty, Chevron Australia; Julien Levadoux, OneSubsea & Jesper Marstrand, Shell Australia**
13:35 **Understanding Electric Actuation Technology and its Impact on Subsea Projects**
Andrea Rubio, OneSubsea, a Schlumberger company
14:00 **Subsea Electric Systems Enter a New Era**
Ajith Kumar & John Lovas, FMC Technologies
14:25 **DigiTRON3 – Providing a Compact Cost Effective Electrical Connector Solution Where You Need it Most**
Liam Widdrington, Siemens Subsea
14:50 Afternoon Tea
15:20 **Integrating & Operating A New Salinity Measurement System As Part of A Wet Gas Meter – Experiences from an Australian Pilot**
Svein Eirik Monge, Emerson Process Management
15:45 **Increased Performance and Safety by Means of Subsea Instrumentation**
Olav Brakstad, ClampOn AS
16:10 **Managing Flowline Buckling and Walking with Real time Position Monitoring**
Stephen Fasham, Sonardyne International Ltd / Atteris Pty Ltd
16:35 **Oil / Water / Sand Quality Measurement – The Key Enabler for Subsea Separation Development**
Si Huai Yeaw, Aker Solutions
17:00 Discussion and Day Wrap Up
17:10 Conference Drinks & Canapés - Parmelia Hilton Hotel
18:00 Day end

Session D: Big Data 2 & Upgrade / Obsolescence 2

Chairperson: Helena Forsyth, INPEX

13:00 **Panel Discussion: Marc Campbell, INPEX; John Lovas, FMC Technologies; Sylvain Lyonnet, Woodside Energy; & Lauchlan Wallace, Woodside Energy**
13:30 **Subsea and Topsides Controls Integration: The New MDIS Integration Standard**
David Walker, Yokogawa Australia
13:55 **Data Analytics – Operational Technology & 'Big Data' analytics starts with Machine Knowledge**
Ahmed Ibrahim, GE Oil & Gas
14:20 **V-LIFE: A Technology for the Rejuvenation of Subsea Insulation Resistance Failures**
Neil Douglas, Viper Subsea
14:45 Afternoon Tea
15:15 **Closing the Subsea Equipment Feedback Loop**
Oddbjorn Gjerde, SEAR Consultant
15:40 **Life of Field is More Than Just 'Existence'**
Kevin Glanville, Proserv Controls (UK)
16:05 **Generations of Subsea Control System – Challenges and Solutions**
Gunasekaran Settiyannan & John Lovas, FMC Technologies
16:30 Session Discussion & Closing Remarks, Julie Morgan, SUT Perth Branch Chair
16:50 SEA Forum



Subsea Controls Down Under 19th & 20th October 2016 Registration Form



- Fee includes:** Attendance at technical sessions, USB of conference proceedings, delegate wallet, morning and afternoon tea, lunch and social function/s on the day/s you attend the conference.
- Ice Breaker:** Is included with 2 day conference passes. Those purchasing a 1 day conference will be required to purchase a ticket to the Ice Breaker as per cost below. Please note places are limited at this function.
- Joining Instructions:** Joining instructions will be e-mailed to each registered participant sent prior to the conference.
- Conference Proceedings:** PDF Presentations will be compiled on a USB and will be given upon registration onsite.
- Venue:** Parmelia Hilton Hotel (Swan Room), Mill Street, Perth, Western Australia, 6000
- Accommodation:** Delegates are required to make their own hotel reservations. Further details will be supplied in the joining instructions.
- Dress Code:** Smart-casual
- Cancellations:** Refunds will be made on written cancellation received up to 20 working days prior to the event but will be subject to a 15% administration charge. Cancellations received 19-5 working days prior to the event will be charged a 50% cancellation fee. Cancellations received 4-0 working days prior to the event will not be refunded. Delegates may wish to nominate a substitute in their place at no charge.

Please select your technical conference type and the social functions you wish to attend:

- Technical Conference 2 Day Pass:** (includes Tuesday's Ice Breaker, Wednesday's Conference Drinks & Thursday's SEA Forum)
- Member (\$550) Non-member (\$600) Student (\$350)
- Presenter (\$275) Co-Presenter (\$450)
- Select social function/s:** Ice Breaker (n/c) Conference Drinks (n/c) SEA Forum (n/c)

- Technical Conference 1 Day Pass:** (includes function on chosen conference day)
- Member (\$325) Non-member (\$375) Student (\$195)
- Presenter (n/c) Co-Presenter (\$245)
- Ice Breaker:** Member/Student/Presenter/Co-Presenter (\$77) Non-member (\$99)
- Select day / social function:** Wed Conference Drinks (complimentary if attending Wednesday)
- or
- Thurs SEA Forum (complimentary if attending Thursday)

Please e-mail completed form to Perthevents@sut.org

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

Credit Card _____ (Visa, MasterCard or AMEX only)* Invoice (PO No.) _____

Name _____ Position _____

Company _____

Address _____

Phone no. _____ E-mail address _____

Dietary Requirements _____

Credit Card No: VISA, MASTERCARD or AMEX* _____ / _____ / _____ Exp. _____ / _____

Security no _____ (3 digits for visa & m/c, 4 digits for amex) * Payment by Visa or MasterCard will carry a 1.5% surcharge / AMEX will carry a 2.75% surcharge.

Name on the card _____

Billing Address if not as above _____

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

Amount to be invoiced \$ _____ E-mail address where invoice should be sent _____