This international conference in the field of Subsea Controls & Data Acquisition is aimed at those engaged in the control, monitoring & distribution of subsea systems. The conference provides a unique forum for operators and suppliers of subsea controls & umbilical systems, topside distributed control systems and downhole technologies to network and exchange views and experiences.

The aim of this conference is to bring together the many diverse disciplines engaged internationally in Controls and Umbilical technology, to share experiences and discuss regional challenges, as well as new advances in global subsea technology. For this conference the theme will be “Technology Reliability & Availability Through Collaboration”, showcasing ways of bringing new ideas and technology to provide operational cost savings, and from an operator’s & suppliers viewpoint how we can learn from experiences locally and internationally.

**Keynote Presenter:** Miranda Taylor, CEO, National Energy Resources Australia

As NERA chief executive, Miranda is a strategic leader at the forefront of innovation and collaboration within the Australian energy resources sector.

With more than 20 years’ experience in strategic policy, risk management and stakeholder engagement, Miranda drives sector-wide transformational change by bringing together the country’s best minds from technology, research and enterprise to build a more sustainable and efficient energy resources sector.

Miranda has overseen NERA since its inception in 2016 and her leadership transforms thinking and processes within the sector for the benefit of the Australian economy – now and into the future.
Subsea Controls Down Under
23rd & 24th October 2018
Pan Pacific Hotel (Golden Ballroom)
207 Adelaide Terrace, Perth, Western Australia

Ice Breaker, Monday, 22nd October 2018
18:00 – 21:00
A cruise along the Swan River aboard the Crystal Swan
Official conference opening: Rob Bush, Yokogawa Australia

DAY ONE
Tuesday, 23rd October 2018
08:45
Registration and coffee
09:15
Welcome by Rex Hubbard, SUT Perth Branch Vice Chairman
09:25
Welcome to Country, Irene Stainton, INPEX

Session A:
Chairperson: Ross Hendricks, TechnipFMC
09:35
Keynote: Cluster isn’t a dirty word: How innovative business models are changing the collaboration landscape across Australia’s energy resources sector
Miranda Taylor, NERA
10:00
SEAR JIP Phase V: The Value of Sharing of Lessons Learned on Subsea Integrity and Reliability
Manish Tomar, Chevon Australia
10:25
Case Study: Retrofitting a Subsea Pipeline Monitoring System to provide Online, Near-realtime, Feedback, Replacing Periodic Vessel Based Data Collection
Stephen Auld, Sonardyne International Ltd
10:50
Morning Tea
11:20
The C-Kore Subsea TDR: Automated Cost-Effective and Reliable Subsea Testing
Greg Smith, C-Kore
11:45
New Subsea Fluid Technologies Enable Success in Long Offset Gas
Sam Johns, Castrol Marine & Energy
12:10
Technical Flushing and the Supercritical Flushing Revolution
Joel Woolerson, AFP & Espen Kähler Amundsen, OceanTeam Fluid Care UK
12:35
Lunch

Session B:
Chairperson: Paul Upjohn, Advanced Technology Valve
13.30
Panel Discussion: Helena Forsyth, INPEX; Harry Mackay, Woodside Energy; Ed Miller, Shell Australia; & Martijn Wisselink, PTTEP
14:15
Update on Subsea Hydraulic Fluid Developments
Simon McManus, MacDermid Offshore Solutions
14:40
The True Consequences of Umbilical Electrical Insulation Failures: Copper Loss and Hydrogen Generation
Neil Douglas, Viper Innovations Ltd
15:05
Afternoon Tea
15:35
New Frontier Wireless Acoustic Telemetry
Jack Vincent, OneSubsea
16:00
Distributed Flow Metering
Ned Chapman, BHGE
16:25
Corrosion Monitoring on Wells Using Ultrasound
Jan-Tore Ervik, Sensorlink
16:50
Discussion and Day Wrap Up
16:55
Conference Drinks & Nibbles – Pan Pacific
18:00
Day end

DAY TWO
Wednesday, 24th October 2018
08:30
Registration and coffee
09:00
Welcome by Julien Levadoux, OneSubsea

Session C:
Chairperson: David Keilty, Chevron Australia
09:05
Life of Field – Obsolescence Management
Ned Chapman, BHGE
09:30
Extending Life of Brown Fields and Enabling New Standards
Tore Erntsen, Proserv UK
09:55
Planned Obsolescence, ‘MidLife’ Updates & Next Generation
John Steiner Lavls, TechnipFMC
10:20
Morning Tea
10:50
Protecting Subsea Multiphase Pumps Through Reliable Subsea Accumulator Modules
Majid Talebi, Pressure Dynamics
11:15
Integrated All Electric Valve
Eirik Ravenas, Innova AS/ATV
11:40
Application of Functional Safety in All-Electric Control Systems
Carsten Mahler, OneSubsea & Markus Glaser, Zuverlässige Mechatronische Systeme
12:05
Lunch

Session D:
Chairperson: Harvey Smith, Woodside Energy
13.05
Panel Discussion: Mark Casey, Quadrant Energy; Neil Douglas, Viper Innovations; David Keilty, Chevron Australia & Sean Salter, Woodside Energy
13:50
Long Tie-back Controls Technology in the Barents Sea
Rodrigo Lima, Aker Solutions
14:15
Long Distance Subsea Power Transmission and Distribution
Peter Baker, Wood
14:40
ROV Workover Control System (RWOCS)
Brett Phillips, Oceaneering
15:05
Afternoon Tea
15:35
Subsea Chemical Storage and Injection Collaboration Project
Ellen Lundanes, TechnipFMC
16:00
IoT and the Future of Subsea Controls
David Walker, Yokogawa Australia Pty Ltd
16:25
Kailani Telemetry Buoy
Darren Burrowes, BlueZone Group
16:50
Session Discussion & Closing Remarks, Norman O’Rourke, SUT Perth Branch Secretary
17:00
Depart for SEA Forum

Confirmed Panellists & Session Chairs from the following:

- Mark Casey, Subsea Infrastructure, Marine and Mooring Technical Authority, Quadrant Energy
- Helena Forsyth, Principal Subsea Operations Engineer, INPEX
- David Keilty, SEV Team Lead, ABU Technical Authority - Subsea Control Systems & Umbilicals, Chevron Australia
- Harry Mackay, Subsea Systems Technical Authority - Subsea & Pipelines, Woodside Energy
- Ed Miller, Prelude Subsea Engineer, Shell Australia
- Sean Salter, Vice President Technology, Woodside Energy
- Harvey Smith, Subsea Controls Technical Authority, Woodside Energy
- Martijn Wisselink, Subsea Engineering Lead-Field Development, PTTEP
- Plus Neil Douglas, Viper Innovations; Ross Hendricks, TechnipFMC & Paul Upjohn, Advanced Technology Valve

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.

To register visit www.SCDU2018.Eventbrite.com.au
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.

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 30 working days prior to the event but will be subject to a 15% administration charge. Cancellations received 29-5 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.

Further Information: For further information visit www.sut.org or contact Jennifer at j.maninin@sut.org

To register visit www.SCDU2018.Eventbrite.com.au

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**Ice Breaker Function**
Date: Monday, 22nd October 2018
Time: 6.00 pm - 9.00 pm
Venue: River Cruise (depart Barrack Sq, Jetty 5)
Cost: Free with FULL conference registration
Details: Enjoy an evening cruise along the Swan River aboard the Crystal Swan.

**Conference Drinks**
Date: Tuesday, 23rd October 2018
Time: 5.15 pm – 6.15 pm
Venue: Pan Pacific Perth
Costs: Free with FULL conference registration
Details: Enjoy post-conference drinks & canapés at the end of Day 1 of the conference.

**SEA Suppliers Forum**
Date: Wednesday, 24th October 2018
Time: To be confirmed
Venue: To be confirmed
Costs: Free with FULL conference registration
Details: At the end of Day 2, Subsea Energy Australia will host their 8th Annual Subsea Suppliers Forum. 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 canapes.

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**Cost & Inclusions**

<table>
<thead>
<tr>
<th>Prices include GST</th>
<th><strong>FULL Conference Registration</strong></th>
<th><strong>Conference Registration 1 day ONLY</strong></th>
<th><strong>Social Functions (If not purchasing full conference registration)</strong></th>
<th><strong>Choose bits and pieces</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>2 DAYS CONFERENCE &amp; ALL SOCIAL EVENTS</strong></td>
<td><strong>Choose bits and pieces</strong></td>
<td><strong>Ice Breaker (22 October)</strong></td>
<td><strong>Conf. Drinks (23 October)</strong></td>
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<tr>
<td><strong>SUT Member</strong></td>
<td>$550</td>
<td>$325</td>
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<td><strong>Non-member</strong></td>
<td>$600</td>
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<td>$275</td>
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<tr>
<td><strong>Co-presenter</strong></td>
<td>$450</td>
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<td>$450</td>
<td>$80</td>
</tr>
<tr>
<td><strong>Sponsors (additional)</strong></td>
<td>$500</td>
<td>N/A</td>
<td>N/A</td>
<td>$80</td>
</tr>
<tr>
<td><strong>Inclusions</strong></td>
<td>Attendance at all technical sessions (2 full days), USB of conference proceedings/PDF presentations, morning and afternoon tea, lunch on both days, delegate bag, attendance at 3 social functions: Ice Breaker (Mon), Conference Drinks (Tues) and SEA Suppliers Forum (Wed).</td>
<td>(on selected day only): attendance at technical sessions, USB of conference proceedings/PDF presentations, morning and afternoon tea, lunch, delegate bag and attendance at 1 social function on day of attending only.</td>
<td>3 hour river cruise on Crystal Swan with drinks and canapes</td>
<td>1 hour nibbles post-day 1 within conference venue</td>
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