SUBSEA
AUSTRALASIA
CONFERENCE
24-26 MARCH 2010

Perth Convention Exhibition Centre

Hosted by:

- Exploring New Opportunities
- Overview of Subsea Projects
- Technical Challenges
- Systems Engineering
- Long Distance Tiebacks
- Geophysics & Geohazards

Half Day Sessions from only $125*

*Member rate excluding GST
Australasia Subsea Markets - Exploring New Opportunities
Wednesday 26 March, 9.15 am – 12.00 pm
River Room 5 [including lunch from 12.00 pm]

The Australasian region is one of the main areas in the world for future oil and gas industry growth, and the subsea industry will play a major role in this development. This session will explore the key issues: Timing of growth, which projects will be key in setting the pace, factors that will limit growth potential, and how these factors will affect business development opportunities in the region. Join us to gaze into the crystal ball and gain valuable insights into the future subsea market in this region.

Overview of Subsea Projects in Australasia Region
Wednesday 24 March, 1.30 pm – 4.15 pm
River Room 5 [including lunch from 12.00 pm]

Western Australia’s oil and gas industry is developing rapidly at a time when production in many other oil and gas centres around the world is declining. Estimated project expenditure on WA gas related developments in the coming decade exceeds $148 billion. It is clear that projects such as Pluto, Gorgon, Ichthys, Prelude and Browse will reshape the WA economy, and provide diverse opportunities for many smaller O&G service companies. In this session, major operators and contractors will provide an overview of the future needs of the subsea industry.

Subsea Systems Engineering
Wednesday 24 March, 9.15 am – 12.00 pm
Meeting Room 6 [including lunch from 12.00 pm]

Subsea engineering incorporates a number of interacting subsystems, each requiring specialised engineering input - from wellhead/Xtree systems, through control systems, umbilical systems, flowline systems to riser systems, surface control systems and process control interfaces. The engineering also includes a requirement to understand and manage installation, pre-commissioning and commissioning issues, flow assurance issues, operations issues and IMR issues. The knowledge requirement extends from development concept phase through to the full field operation. How should the industry recognise this role, and how should it develop a structured targeted training program?

Long Distance Tiebacks
Wednesday 24 March, 1.30 pm – 4.15 pm
Meeting Room 6 [including lunch from 12.00 pm]

Huge gas projects offshore Western Australia are set to re-shape the Australian petroleum industry, and long distance tiebacks or export pipelines to shore facilities will be an important aspect of this development. The delivery and installation of these long distance and large diameter pipelines, the efficient control, and the effective management of pipeline stability and flow assurance issues will be paramount. State of the art practices and project lessons learned on these critical topics will be shared in this session.
Subsea Technical Challenges in Australia
Thursday 25 March, 9.15 am – 12.00 pm
River Room 5

Year on year, the subsea industry delivers new superlatives, and we tend to take for granted the level of technical challenge we face as an industry. However, these challenges require a clear understanding of the issues and a firm grasp of the technologies and methods available to overcome the issues. The Australasian region brings a number of unique and difficult challenges to maximise reserve recovery and to sustain production through the life of the field. This session will address the key technical challenges we face, and provide an update on key technologies, capabilities and innovations that could potentially make a significant contribution to the success of future subsea developments.

TIME | TOPIC | SPEAKER
--- | --- | ---
9.15 am | Welcome and Introduction | Bill Edgar, Chairman, Subsea UK
9.30 am | Challenges Associated with the Step Change of Moving From a Market Dominated by Subsea Tie Backs/FPSO Developments Towards Larger LNG Mega Project Developments | Darren Cormell, Managing Director, Acergy Australia Pty Ltd
9.50 am | Delivering Next Generation Subsea Reliability and Performance with Ultra Long Tiebacks | Will Acworth, Director of Projects, GE Oil & Gas
10.10 am | Subsea STP Buoy Mooring Out of Sight, But Not Out of Mind | Ben Crouch, Sales Engineer AP, First Subsea Limited
10.30 am | Morning Tea | |
11.00 am | Pipeline and Flow Assurance: Medical Solutions to Oil and Gas Pipeline Problems | Matt Wilson, Global Subsea Business Dev. Manager, Tracerco
11.20 am | Emerging Technologies for Deepwater Riser Design | Conor Gavin, Operations Director, MCS Perth
11.40 am | Questions and Discussion | |
12.00 pm | Session Close, followed by Lunch, (Subsea Zone, Exhibition Floor) | |

Geophysics and Geohazards: Defining Subsea Engineering Risk
Thursday 25 March, 8.30 am – 4.40 pm
Meeting Room 6

Geophysical methods are the key means for identifying geohazards in the marine environment. Whether drilling a wildcat or installing a wind turbine, engineering geophysics provides an effective assessment of the potential risk for subsea operations. This session will address the importance of understanding geophysical methods, their strengths and weakness. It will demonstrate the power of well designed and integrated geophysical surveys to identify, define and minimise geohazard risk to your valuable oil and gas production assets.

TIME | TOPIC | SPEAKER
--- | --- | ---
8.30 am | Welcome and Introduction | Chair: Jim Leven, Oil & Gas Services, Department of Commerce
8.40 am | Keynote address: Do We have Adequate Site Survey Data for Jack-up Installation and Location Approval? | Paul Handidajja, Head of Geotechnical Dept., Braemar Falconer Pty Ltd
9.00 am | The Use of Swathe Bathymetry Data as a Guide to the Early Identification of Potential Geohazards - Examples From the North Carnarvon Basin, Western Australia | Julie Dale, Geohazards Interpreter, Gandline Marine Sciences Pty Ltd
9.30 am | Effective Assessment of Top Hole Drilling Hazards for Deep Water Wells Using 3D Seismic Data | Stephen Wardlaw, Business Development Consultant, Fugro GeoConsulting
10.00 am | Integrating Geophysics and Geotechnical Data to Enhance Engineering Foundation Design | Magnus McNeil-Windle, Senior Principal Geophysicist, Advanced Geomechanics
10.30 am | Morning Tea | |
11.00 am | Seismic Performance Evaluation of a Submarine Gas Pipeline, Pluto Gas Field | Dr Elio Nolvello, Principal Geotechnical Engineer, URS Australia Pty Ltd
11.30 am | Drilling Geohazard Constraints on the NWS Australia - A Woodside Perspective | Sheila Mackay, Senior Wellbore Geohazard Analyst, Woodside Energy Ltd
12.00 pm | Session Close, followed by Lunch, Subsea Zone, Exhibition Floor | |
1.30 pm | The Use of Frequency and Time-domain CSEM Data for Marine Hazard Mitigation | Dr Maxwell Azuka Meju, EM Researcher, formerly Lancaster University UK
2.00 pm | Using a Four-sensor Magnetic Gradiometer to Identify Small WWII Ordnance in Caution Bay, Papua New Guinea | Nicholas Smith, Senior Geophysicist, Fugro Survey Pty Ltd
2.30 pm | Afternoon Tea | |
3.00 pm | The Need for QC on Geophysical Interpretation of Geohazards and Engineering Site Surveys | Dr Fiona Fitzpatrick, Marine Geologist, RPS Energy
3.25 pm | Enhanced Coastal Geotechnics With Integrated Marine Seismic Reflection and Multi-Source, Extended Array Refraction | Professor Bob Whitley, Senior Principal Geophysicist, Coffey Geotechnics Pty Ltd
3.50 pm | Research Underway at Centre for Offshore Foundation Systems (COFS) | Professor David White, COFS, University of Western Australia
4.15 pm | Seismic Refraction Surveys as a Geohazard Technique for Infrastructure Investigations | Jim Anderson, Principal Geophysicist, Fugro Survey Pty Ltd
4.40 pm | Wrap up and Close | |

7.00 pm AOG Official Dinner
Join industry peers and colleagues for a night of wining, dining and networking - featuring keynote speaker Lord Digby Jones. Not to be missed!
**AT A GLANCE**

<table>
<thead>
<tr>
<th>Commercial Sessions</th>
<th>Technical Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday</strong></td>
<td><strong>Wednesday</strong></td>
</tr>
<tr>
<td>Australasia Subsea Markets - Exploring New Opportunities</td>
<td>Subsea Systems Engineering</td>
</tr>
<tr>
<td>Wednesday 24 March, 9.15 am – 12.00 pm</td>
<td>Wednesday 24 March, 9.15 am – 12.00 pm</td>
</tr>
<tr>
<td>Overview of Subsea Projects in Australasia</td>
<td>Long Distance Tiebacks</td>
</tr>
<tr>
<td>Wednesday 24 March, 1.30 pm – 4.15 pm</td>
<td>Wednesday 24 March, 1.30 pm – 4.15 pm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Commercial Sessions</th>
<th>Technical Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thursday</strong></td>
<td><strong>Thursday</strong></td>
</tr>
<tr>
<td>Subsea Technical Challenges in Australia</td>
<td>Geophysics and Geohazards: Defining Subsea Engineering Risk</td>
</tr>
<tr>
<td>Thursday 25 March, 9.15 am – 12.00 pm</td>
<td>Thursday 25 March, 8.30am – 4.40pm</td>
</tr>
</tbody>
</table>

Full synopses of presentations available for download at www.aogexpo.com.au/conference

**3 EASY STEPS**

**STEP 1:** Choose a **half day for $125** or a **full day for $200** (including tea/coffee and lunch)

**STEP 2:** Design your own program and choose from six feature topics including:

- Geophysics & Geohazards: Defining Subsea Engineering Risk
- Australasia Subsea Markets – Exploring New Opportunities
- Overview of Subsea Projects in Australasia Region
- Subsea Systems Engineering
- Long Distance Tiebacks
- Subsea Technical Challenges in Australia

**STEP 3:** Register now to secure your position at this year’s most defining Subsea Event

Register online at aogexpo.com.au/conference or complete the registration form attached

**CHOOSE YOUR OWN PROGRAM FROM AS LITTLE AS**

**$125 FOR HALF DAY OR $200 FOR A FULL DAY**

*Member rate, excluding GST  Program is correct at time of printing  Subject to change
REGISTRATION FORM

Contact Details
FIRST NAME

SURNAME

POSITION

ADDRESS

SUBURB

STATE

COUNTRY

PHONE

FAX

MOBILE

EMAIL

Please note that a 3% surcharge applies for all credit card payments.

Australasian Oil & Gas may use this information to advise you of future AoG events. If you do not wish to have your information used in this manner, please tick here.

STEP 1: ARE YOU A MEMBER OF ANY OF THE BELOW ASSOCIATIONS? Please Tick

*Member prices available for members of SEA, SUT and SUK

Subsea Energy Australia ☐ Society for Underwater Technology ☐ Subsea UK ☐

STEP 2: SELECT YOUR SESSIONS: Please Tick

<table>
<thead>
<tr>
<th>COMMERCIAL</th>
<th>TECHNICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Half Day PM: Overview of Subsea Projects in Australia ☐</td>
<td>Half Day PM: Long Distance Tiebacks ☐</td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
</tr>
</tbody>
</table>

STEP 3: SELECT YOUR NETWORKING EVENTS: Please Tick

Subsea Sundowner ☐ AOG Official Dinner ☐

STEP 4: CALCULATE YOUR PAYMENT

Two half day sessions on the same day = Full day price

<table>
<thead>
<tr>
<th>Session Type</th>
<th>Total number of sessions</th>
<th>Member Price</th>
<th>Non Member Price</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half day</td>
<td></td>
<td>$137.50</td>
<td>$170.00</td>
<td></td>
</tr>
<tr>
<td>Full Day</td>
<td></td>
<td>$220.00</td>
<td>$275.00</td>
<td></td>
</tr>
<tr>
<td>Networking Event</td>
<td>Total number of events</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subsea Sundowner</td>
<td></td>
<td>$27.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AOG Official Dinner*</td>
<td></td>
<td>$150.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

All prices include GST * For group bookings please contact aog@divevents.com.au or call +61 (0) 39261 4500

Payment Method *Please note that a 3% surcharge applies for all credit card payments

Credit Card Type

Name of Cardholder

Card Number

Expiry Date

4 digit security code (AMEX)

Please forward completed form with required payment to:

Post: Sharon Pryor, Subsea Australasia Conference c/o Diversified Events, 424 St Kilda Road, Melbourne, VIC 3004 AUSTRALIA

Email: aog@divevents.com.au  Fax: +61 (0) 3 9261 4545
DESIGN YOUR OWN PROGRAM

Choose half or full day schedule including:

- Geophysics & Geohazards: Defining Subsea Engineering Risk
- Australasia Subsea Markets - Exploring New Opportunities
- Overview of Subsea Projects in the Australasia Region
- Subsea Systems Engineering
- Long Distance Tiebacks
- Subsea Technical Challenges in Australia

The Subsea Australasia Conference is held in conjunction with Australia's largest oil & gas exhibition, featuring over 500 local and international exhibitors

Registration Enquiries

**Sharon Pryor**  
Conference Executive, Diversified Events (AOG)  
spryor@divevents.com.au  
ph: +61 (0) 3 9261 4500  
mb: +61 4 23 027 395

**Anne Kaiser**  
Conference Manager, Diversified Events (AOG)  
akaiser@divevents.com.au  
ph: +61 (0) 3 9261 4500  
mb: +61 4 02 692 208

HALF DAY SESSION FROM ONLY $125*  
Price includes all refreshments and a light lunch