



the australian petroleum production & exploration association presents



# 2017 APPEA Health, Safety and Environment Conference

**25-26 OCT 2017** PERTH CONVENTION AND EXHIBITION CENTRE, WESTERN AUSTRALIA

This annual conference will highlight the environmental, safety and community challenges and opportunities facing the petroleum industry today and tomorrow. This year, we are combining what in the past has been two separate events and holding an integrated HSE event with the theme: *Innovation in HSE in the age of increasing transparency.*

The conference will still cater for a **HSR stream** and feature presentations from the **frontline safety groups** as well as **case studies** and **innovation** from industry. There will be presentations from stakeholders across government, non-government organisations, other industries and the research sectors.





**WEDNESDAY 25 OCTOBER**

8.00am CONFERENCE REGISTRATION

9.00am **Plenary Session: Innovation in HSE in the age of increasing transparency**

**Welcome Address**

**Ernie Delfos**

Chairman, APPEA Health, Safety and Environment Committee

**Regulatory developments in HSE**

**Stuart Smith**

Chief Executive Officer, NOPSEMA

**International Keynote Address: Managing safety in spaceflight: recognising narrow margins**

**Dr Jim Reilly**

Former NASA Astronaut/Geologist



10.30am MORNING TEA

11.00am **CONCURRENT 1: HSE DRIVERS AND SHAPERS**

**The assessment and growing significance of HSE issues in investment decisions**

**Dr Ian Woods** Head of ESG Investment Research, AMP Capital Investors Limited

**Innovative regulator**

**Cameron Grebe** Head of Division, Environment, NOPSEMA

**Datascience for HSE—a case study**

**Fiona Hick** Vice President—Health, Safety, Environment & Quality and **Vivian Wong**, HSEQ Business Manager, Woodside Energy

**CONCURRENT 2: INNOVATION IN FRONTLINE SAFETY**

**Beyond compliance**

**Derrick O’Keeffe** Head of Safety and Well Integrity, NOPSEMA

**Woodside’s field worker of the future—safer, cheaper, better**

**Daniel Habib** Smart Operations Lead, Digital Solutions, Woodside Energy

**Hear from a panel of practitioners and HSRs representing our industry’s frontline safety groups**

**DrillSafe, Offshore Project Safe, MarineSafe, SafeOps**

*Hear from a panel of representatives from the industry’s frontline safety groups: DrillSafe, MarineSafe, Offshore Project Safe, SafeOps and Logistics Safe where they will outline particular activities that they have undertaken, issues for the sector and new thinking and innovation.*

12.30pm NETWORKING LUNCH

1.30pm **CONCURRENT 3: SAFETY AND HUMAN FACTORS**

**Sharing and learning to support workplace wellbeing**

**Adrienne LaBombard** Manager—People and Communities, Chamber of Minerals and Energy of Western Australia

**Clouds, chatbots and virtual realities: when process safety met design thinking**

**Toby Hewitt** Croomo

**Innovative approaches to measurement of safety behaviours in leaders and operations personnel**

**Mark Greenwood** Director—Safety and Career Transition, People Solutions

**CONCURRENT 4: INNOVATION AND ENVIRONMENTAL MANAGEMENT**

**Innovative ocean observations using ocean gliders and their role in ocean prediction**

**Prof Chari Pattiaratchi** Australian National Facility for Ocean Gliders, Integrated Marine Observing System

**Reference cases: past, present, and future**

**Matt Smith** Environment Manager, NOPSEMA

**Understanding the environmental risks of unplanned discharges—the Australian context**

**Dr Mark Westera** Principal Marine Scientist, BMT Oceanica

2.45pm AFTERNOON TEA



**WEDNESDAY 25 OCTOBER**

|        |   |   |
|--------|---|---|
| 3.15pm | <b>CONCURRENT 5:<br/>INNOVATION IN SAFETY</b>   | <b>CONCURRENT 6:<br/>ENVIRONMENTAL DRIVERS</b>  |
|        | <b>Effective leaders operate affectively</b><br><b>Samantha Fraser</b> Senior Manager DuPont Sustainable Solutions, DuPont Australia  | <b>Finkel and friends — why climate and energy policy remain hot topics for business</b><br><b>Susie Smith</b> Chief Executive Officer and<br><b>Marion Niederkofler</b> Policy Analyst<br>Australian Industry Greenhouse Network |
|        | <b>Dynamic safety capability and management systems: an assessment tool to evaluate the 'fitness-to-operate' in high-risk industrial</b><br><b>Prof Mark Griffin</b> UWA Centre for Safety, University of Western Australia | <b>Innovation and technology in marine science: AIMS' North West Shoals to Shore Research Program</b><br><b>Dr Karen Miller</b> Senior Research and Projects Scientist, Australian Institute of Marine Science                    |
|        | <b>Developing psychologically healthy workplaces: understanding employer obligations and controlling the risks</b><br><b>Dr Ali Burston</b> Organisational Psychologist, Metisphere   | <b>Capturing key decisions and environment in design in concept/FEED to inform robust Environment Plans</b><br><b>Ms Janine Barrow</b> Technical Director – Sustainability & Principal Environmental Scientist, Jacobs            |

4.30pm–6.00pm **Networking Cocktail Function**  
 Take time to discuss opportunities and the challenges of the current industry in the relaxed environment of networking cocktails. Selected industry suppliers will be available and delighted to discuss their services in the HSE space.

**THURSDAY 26 OCTOBER**

|         |   |
|---------|---|
| 8.00am  | CONFERENCE REGISTRATION   |
| 9.00am  | <b>Plenary Session: Human factors in HSES issues management</b><br><b>Shell's Prelude FLNG Project: Innovative safety, health and environmental management initiatives</b><br><b>Senior representative</b> Shell Australia<br><b>International Keynote Address: Tripartite working for safety improvements. The features, issues, benefits and proofs</b><br><b>Les Linklater</b> Executive Director, Step Change in Safety UK<br><b>DEEPWATER*—Act 1—'The near miss'</b><br><b>The North Sea, December 23, 2009 17:15</b>  |
| 10.30am | MORNING TEA   |
| 11.00am | <b>Plenary Session: Safety and stakeholder management</b><br><b>Who cares about the oil and gas industry?</b><br><b>Peter Fairclough</b> General Manager—Policy Government and Public Affairs, Chevron Australia (invited)<br><b>DEEPWATER*—Act 2—'The Disaster'</b><br><b>The Macondo well in the Gulf of Mexico, April 20, 2010</b><br><b>DEEPWATER*—Act 3—'The Investigation'</b><br><b>The Macondo well in the Gulf of Mexico, April 20, 2010</b><br><b>Safety culture panel session</b><br><i>What have we learned and what has changed in offshore drilling and operations since the Macondo and Australia's Montara incidents? Facilitated by a petroleum industry regulatory expert, hear from a panel of drilling, well integrity, well control and regulatory experts who will discuss the latest procedures, techniques and systems currently employed by the offshore industry.</i> |
| 12.30pm | NETWORKING LUNCH  |

\*BP has not been party to, or commented on, the development of the theatrical play or the workshop material which will be presented and discussed.



**THURSDAY 26 OCTOBER**

|        |  |   |
|--------|--|---|
| 1.30pm | <b>CONCURRENT 7: COLLABORATION IN ENVIRONMENTAL AND SOCIAL MANAGEMENT</b>  | <b>CONCURRENT 8: HUMAN FACTORS AND HEALTH AND SAFETY</b>  |
|        | <p><b>Working with a remote Aboriginal community on a tight gas project in Western Australia</b><br/> <b>Dr Kris Waddington</b> Regulatory Affairs and Community Manager, Buru Energy</p> <p><b>Oil spill response; the view from the Australian industry oil spill response organisation</b><br/> <b>Nick Quinn</b> General Manager, Australian Marine Oil Spill Centre</p> | <p><b>MAP—a paradigm shift in risk management which saves lives</b><br/> <b>Roberta Selleck</b> HSSE Manager, Corporate, Clough</p> <p><b>Lessons from aviation: human factors and generative safety culture</b><br/> <b>Dave Ehrmann</b> Country Manager Indonesia, Singapore and Thailand, Check-6</p> <p><b>Don't wait for an accident: proactive detection of latent human factors risks</b><br/> <b>Dr Melanie Todd</b> Principal Human Factors Advisor, The Keil Centre</p> |

2.45pm AFTERNOON TEA

|        |  |
|--------|--|
| 3.15pm | <b>Plenary Session: Innovation in HSE in the age of greater transparency</b>   |
|        | <p><b>Bechtel's safety management experience in multiple LNG projects in Australia</b><br/> <b>Paul Marsden</b> Principal Vice President and Senior Project Manager, Bechtel Australia</p> <p><b>The future of safety and environmental management; global megatrends and new ways of working</b><br/> <b>Dr Trudi Lang</b> Leading Global Conversations</p> <p><b>HSE Panel: Global trends and change, innovation and technology: What will the petroleum industry look like in 10 or 20 years' time?</b><br/> <i>The petroleum industry is grappling with the challenges of difficult business conditions as well as continuously improving its strong safety and environmental performance. At the same time, we face unprecedented levels of political and community distrust. Communities, NGOs and shareholders, are demanding greater transparency of business, whilst shareholders and financiers are demanding more information and a direct say on industry's operations. Governments are also struggling with the macro-economic issues of changing energy and environmental policy, community expectations and their own electoral pressures, with the result being more or less regulation?</i><br/> <i>In response, our industry is embracing emerging technologies and innovation—not only to address cost-efficiency pressures—but also new thinking and leadership to achieve better safety, environmental and community outcomes. Simultaneously, we are seeking new ways to also communicate often complex and technically difficult subject matter to stakeholders, to better gauge community perceptions, and to compete for communications space in the 'new media' world. But will it be enough..?</i><br/> <i>What will our industry look like in the future? Hear from our panel of industry leaders who will each 'look into the crystal ball' and predict how our industry will respond to global mega-trends and the rapid and disruptive changes we are seeing?</i></p> |

4.45pm **Conference close**

PROGRAM IS SUBJECT TO CHANGE

**REGISTRATION INCLUSIONS**

**REGISTRATION FOR THIS EVENT INCLUDES:**

- access to all conference sessions on both days of the event
- full daytime catering including morning tea, lunch and afternoon tea with access to industry displays
- complimentary access to the 2017 HSE Networking Cocktails.

**YOU CAN REGISTER FOR THIS EVENT ONLINE AT:**

**[www.appeahseconference.com.au](http://www.appeahseconference.com.au)**

All prices are inclusive of GST. Please visit the APPEA HSE Conference website for registration terms and conditions.

**RATES**

APPEA Members/  
Government  
\$595

Non-APPEA Members  
\$695

**Sponsorship and exhibition opportunities available**

For further information contact Jason Avery, [javery@appea.com.au](mailto:javery@appea.com.au) or 07 3231 0510