

the australian petroleum production & exploration association presents

2017 APPEA

conference and exhibition

PERTH, WESTERN AUSTRALIA / 14-17 MAY 2017



ENERGY IN TRANSITION

REGISTRATION
AND PROGRAM

PRINCIPAL SPONSORS



EXPERIENCE COUNTS

Woodside is Australia's largest independent oil and gas company with a global presence, recognised for our world-class capabilities - as an explorer, a developer, a producer and a supplier.

Our assets are renowned for their safety, reliability and efficiency, and we are Australia's most experienced liquefied natural gas operator.



woodside.com.au



2017 APPEA



INVITATION conference and exhibition

FROM THE APPEA CHAIRMAN



Bruce Lake
APPEA Chairman

The APPEA Conference and Exhibition is the Australian upstream oil and gas industry's premier annual event. APPEA 2017 will bring together oil and gas professionals, industry leaders, analysts and policymakers from across Australia and around the world.

APPEA has again produced an outstanding three-day conference program. International experts and Australian industry leaders will provide

up-to-date analysis, case studies and technical know-how on the big issues facing our industry. Politicians, executives and analysts will discuss the policy concerns confronting us.

This event remains the best forum for examining the issues facing our industry—and our strongest platform for conveying our key messages to politicians, our supplier partners and the media. APPEA 2017 will celebrate the Australian oil and gas industry's many achievements, but will also take a hard look at the difficulties created by this extended period of low oil prices.

Pointing the way forward

At a time such as this, the APPEA Conference and Exhibition becomes more important than ever. In hard times, companies must not only tighten their belts—they must innovate and form new partnerships. APPEA 2017 will help these processes by providing plenty of ideas, project case studies and technology news, and networking opportunities.

APPEA 2017 will be staged in Perth, Australia's leading oil and gas centre. Western Australia now hosts three major LNG projects—the latest being the gigantic Gorgon development—

and has another three under construction. Several conference sessions will examine developments in the West, including LNG and domestic gas, as well as new frontiers in exploration.

The conference will also examine oil and gas projects, technologies, trends and opportunities in other parts of Australia. We are seeing innovation in the offshore, onshore and LNG sectors in several parts of the eastern states, South Australia and Northern Territory. Issues such as technology and performance, and engagement and building trust, are relevant everywhere the industry operates.

APPEA 2017's plenary and concurrent sessions offer more than 100 speeches and presentations. These will examine issues ranging from global and national developments in energy and climate policies; unconventional gas; LNG; project development; updates from regulators; tax, fiscal and commercial issues; prospectivity of frontier basins; and other scientific and technological reports.

There will also be a strong emphasis on diversity and inclusiveness, community and stakeholder engagement, as well as skills, environmental, safety and operational issues.

This year's conference will once again draw a large attendance and include a substantial exhibition. The exhibition area will cover 9000m² and include tailored networking lounges and individual meeting zones to promote business discussion.

APPEA could not stage an event of this scale and quality without the support of sponsors. We thank our principal sponsors—Woodside and Clough—for their continued support. The support of these two companies—and of our other sponsors—is much appreciated and is essential to the success of this event.

APPEA 2017 promises to be yet another successful annual conference. I look forward to seeing you at the Perth Convention and Exhibition Centre.

JOIN THE BUZZ ON SOCIAL MEDIA

Take a moment to join APPEA's social media channels and connect with your industry peers—join the buzz as we journey to the industry's key event for the year!

The event's official hashtag is #APPEA2017
Be sure to follow us at @APPEALtd and @appeaconference

 #APPEA2017

 APPEA Conference and Exhibition

 APPEA Conference and Exhibition

Sunday 14 May

CONFERENCE REGISTRATION

7:30am – 7:00pm

Main Foyer, Perth Convention and Exhibition Centre

Join fellow delegates and collect your registration packs prior to attending the opening Welcome Reception at 6pm.

PESA DEAL DAY

INDUSTRY EVENT

Registration:

8:15am

Seminar:

9:00am – 1:30pm

PESA Deal Day Perth Convention and Exhibition Centre

The Petroleum Exploration Society of Australia (PESA) 'Deal Day' Seminar is the annual showcase for acreage and farm-in opportunities in Australia and the neighbouring region in a presented papers format. This event will deliver a comprehensive Farm-in Report, containing all the relevant information on each opportunity. Registration includes lunch and refreshments.

Not included in the APPEA conference registration fee—please register separately at www.pesa.com.au

For inquiries about sponsorship, presenting acreage, attending or to receive information please contact: Wendy Ronda, 2017 PESA Farm-in Seminar Convener **t**+61 438 675 562 **e** dealday@pesa.com.au



CYCLE TOUR

11:30am – 3:00pm

On Your Bike! For APPEA 2017 Meet at the Perth Convention and Exhibition Centre

SPONSORED BY INTERTEK

APPEA proudly presents its cycle program for 2017, as lycra becomes the new norm and experienced amateur riders from the oil and gas industry are offered the opportunity to enjoy a 70km cycle tour through Perth and its surrounding picturesque regions. Qualified cycle guides will escort you as part of the group providing refreshments during scheduled breaks.

This superb start to the three-day conference is provided complimentary to paid registered attendees with the assistance of our sponsor *Intertek*. Riders can register individually or form a team (maximum of five team members). A team must have at least one registered conference delegate (a fee of \$80 applies to non-delegate riders). Individual bookings are restricted to registered delegates. As a keen rider, please provide your own bike and equipment. Register as part of the online registration process. Limited places available.



WELCOME RECEPTION

6:00pm – 9:00pm

Welcome Reception: 'See how we roll...' Perth Convention and Exhibition Centre

SPONSORED BY TELLURIAN

We bet you'll love our high energy Welcome Reception to kick off the APPEA 2017 Conference and Exhibition. Roll with industry colleagues while helping to support regional charities. Not only is this a great opportunity to create new business contacts but to also play hard and win big for a great cause. The odds are high for an enjoyable and memorable evening.



Complimentary to fully registered delegates and registered partners.
\$95 per person to all other registration categories and additional guests.



Smart casual attire.



Monday 15 May

6:00am–7:00am

Cycle Ride—Meet at the Perth Convention and Exhibition Centre

SPONSORED BY **INTERTEK**

Enjoy an early morning ride through the streets of Perth before conference sessions begin. Complimentary to delegates, registered partners and exhibitors. See www.appeaconference.com.au for details.

7:30am–8:20am

Presenters' Breakfast—Perth Convention and Exhibition Centre | By invitation only

SPONSORED BY **BP DEVELOPMENTS AUSTRALIA**

7:30am–5:00pm

Conference registration—Main Foyer, Perth Convention and Exhibition Centre

8:00am–6:00pm

APPEA 2017 Exhibition open—Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY **SHELL**

Take a step into the showcase that is the APPEA 2017 Exhibition, as the full supply chain for the oil and gas industry is on show. Updated exhibitor listings available at www.appeaconference.com.au

8:00am–6:00pm

APPEA 2017 Poster Presentations open

Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY **BP DEVELOPMENTS AUSTRALIA**

8:00am–6:00pm

KPMG Meeting Zone open—Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY **KPMG**

Need a private meeting with your client? APPEA, in partnership with KPMG, delivers the KPMG Meeting Zone—a custom made section of the exhibition floor delivering the ideal place to meet in hourly segments, with two private meeting zones—seating up to eight. Available for bookings in advance and/or onsite. This service is complimentary for registered conference attendees. See www.appeaconference.com.au for details.

PLENARY: ENERGY IN TRANSITION

8:30am

SPONSORED BY **CLOUGH AND WOODSIDE**

Framed around the conference theme of 'Energy in Transition', the opening session of APPEA 2017 will feature high-level addresses from the Australian Government, with Senator the Hon Matt Canavan, Minister for Resources and Northern Australia, a post-election address from a Western Australian state political leader and the APPEA Chairman, Mr Bruce Lake. Combined with a lead industry address featuring Mr Peter Coleman, CEO and Managing Director, Woodside, this is a 'not to be missed' opening session that will set the scene for three days of in depth discussion and debate as the industry considers its place in a period of rapid, and turbulent, change.

Conference Opening Ceremony

Australian Government Address

Senator the Hon Matt Canavan, Minister for Resources and Northern Australia

Western Australia State Government Address

Western Australian Government Representative (invited)

Lead Industry Address

Mr Peter Coleman, Managing Director and Chief Executive Officer, Woodside

APPEA Chairman's Address—Energy in transition

Mr Bruce Lake, Managing Director, Vermilion Oil & Gas Australia Pty Ltd

PLENARY

10:15am – 11:00am

MORNING TEA IN THE EXHIBITION HALL

SPONSORED BY **AGGREKO**

Monday 15 May



PLENARY: ENERGY—THE SHAPE OF THINGS TO COME

11:00am

SPONSORED BY TOTAL

The future of energy is being shaped by a range of powerful factors—the global shift to cleaner forms of production, the opening up of new sources of supply, geopolitical shifts, technological advances and the relentless pressure of global competition. Speakers will provide perspectives, drawing on their extensive industry experience, to provide a headline session concluding with a truly international panel discussion.

A better life with a healthy planet. Pathways to net-zero emissions

Mr Jeremy Bentham, Vice President Global Business Environment and Head of Shell Scenarios, Shell International BV

The digital future for oil and gas

Mr Thomas Sparks, Vice President, Oil & Gas Strategy, Siemens AG

Russian gas export strategy in Asia and competition with the Australian LNG projects

Dr Konstantin Simonov, Director General, National Energy Security Fund (Russia) and Australia Russia Dialogue

LNG exports from the US—what role will the new Administration play?

Mr Martin Houston, Vice Chairman, Tellurian

Panel discussion

12:30pm–2:00pm

Networking Lunch in the Exhibition Hall

SPONSORSHIP AVAILABLE

All delegates are invited to enjoy lunch in the exhibition halls as you explore the exhibits that represent the leading producers and suppliers in the oil and gas industry.

12:30pm–2:00pm

APPEA Members' Lunch Perth Convention and Exhibition Centre | By invitation only

SPONSORED BY CLOUGH AND WOODSIDE

CONCURRENT SESSIONS 1–4

2:00pm

CONCURRENT SESSION 1: The smart oil and gas industry

SPONSORED BY SIEMENS

Curiosity, creativity and collaboration—creating a digitally integrated supply chain

C Jordan (Accenture Australia)

The 'Cyber Enabled Facility'—what does it mean for operators and regulators?

T Berry (Lloyds Register EMEA), J Stokes (Lloyds Register Consulting), B Twomey (Lloyds Register EMEA) and JG Baker* (Lloyds Register International)

Application of dynamic simulation to assess the effectiveness of well clean-up in a horizontal gas well

HW Moh (Schlumberger), N Pink, P Deshon (Santos), E Dharma Putra and R Yusuf (Schlumberger)



Monday 15 May

CONCURRENT SESSIONS 1-4 *continued*

2:00pm

CONCURRENT SESSION 2: Operating in the Great Australian Bight

SPONSORSHIP AVAILABLE

Findings from the Great Australian Bight Research Program—an integrated study of the environmental, economic and social values of the G.A.B. ahead of oil and gas exploration

BC Baghurst (SARDI), S Lapidge (SARDI Aquatic Sciences), R Lukatelich (BP Australia), D Smith (CSIRO), G Begg (SARDI Aquatic Sciences), R Lewis (Marine Innovation Southern Australia) and R Smith (BP Australia)

The Great Australian Bight—from AVO prospectivity screening to drillable targets in one of the world's remaining untapped basins

D Rajeswaran (PGS Australia)

Building the regional understanding of the deep water geology and benthic ecology of the Great Australian Bight

A Ross, A Williams, A Talukder, J Parr, C Trefry, R Kempton, C Stalvies (CSIRO), A Kulpecz (Chevron Australia), C Schaefer (Chevron Europe, Eurasia and Middle East—Exploration & Production Ltd) and P Rarey (Chevron Australia)

CONCURRENT SESSION 3: Collaboration—we're better together

SPONSORSHIP AVAILABLE

Our energy future: the power of collaboration to transform Australia's energy resources industry

M Taylor (NERA)

Open access midstream infrastructure and the impacts on the Australian gas market

B Smith, S Lewis*, M Brooks and J Serfaty (ATCO Australia)

It's not easy to collaborate—it's essential!

P Harrison (EICG), M Hackett (GE Oil and Gas), B Cullinane* (Deloitte) and R Fenn (Accenture Australia)

Improving success rates for Indigenous business engagement

R Barton (Indigenous Supply Chain Connections)

CONCURRENT SESSION 4: Managing our environment

SPONSORSHIP AVAILABLE

Releasing raw produced water into rivers: a technical assessment

N Lee, A Zammit and J Wood (Pacific Environment)

New system for detecting, mapping, monitoring, quantifying and reporting fugitive gas emissions

T Tsai (Picarro Inc), B Stavropoulos (SGS Leeder Consulting) and M Kernke (Origin Energy Ltd)

Enhancing environmental performance during Wheatstone dredging through science and innovation

MJ Marnane, T Elsdon (Chevron), T Roupheal (Western Marine Science), C Pedersen (DHI Water and Environment) and K Peat (Jacobs)

Produced formation water management; creating reuse, reducing operational costs and developing additional income streams

T Manners and JF Gow (Veolia Australia & New Zealand)

3:15pm–3:45pm

AFTERNOON TEA IN THE EXHIBITION HALL

SPONSORED BY AGGREKO

3:15pm–6:00pm

Meet the Authors Poster Presentation Area, Exhibition Hall

SPONSORED BY BP DEVELOPMENTS AUSTRALIA

Having examined the dynamic poster presentation arena inside the exhibition showcase, take this opportunity to meet the authors behind the work and discuss and debate their presentations. See p17 for current posters.

Monday 15 May

CONCURRENT SESSIONS 5-8

3:45pm

CONCURRENT SESSION 5: Managing the end

SPONSORSHIP AVAILABLE

Managing abandonment in Australia | P Askew and A Lea-Cox (Accenture Australia)

Resurrection at AGL Silver Springs and Wallumbilla case study of bringing a field and surface facilities back to life | JR Croker (AGL Energy Ltd), M Kidd (ICD Asia Pacific Pty Ltd), E Nicola and J Dean (AGL Energy Ltd)

Functional excellence in engineering | A Barros (Woodside)

CONCURRENT SESSION 6: The shale game

SPONSORSHIP AVAILABLE

Exploring the Beetaloo: will Australia's first viable shale play be sourced by billion year old gas?
D Close, A Cote, E Baruch, C Altmann, F Mohinudeen, B Richards, R Ilett, R Evans and S Stonier (Origin)

Porosity and pore size distribution of shales: Case study of the Carynginia formation, Perth Basin, Western Australia | NM Testamanti, R Rezaee and J Zou (Curtin University)

Methodology for assessing original gas in place and estimated ultimate recovery from a tight marine formation using hydraulic fracture stimulation modelling
M Goldman* and RL Johnson Jr.* (School of Chemical Engineering, University of Queensland)

CONCURRENT SESSION 7: Keeping them safe

SPONSORED BY DUPONT

Nimrod XV230—reflections on leadership, culture and priorities | M Anderson (Woodside)

Golden safety rules: are they keeping us safe?
S Fraser and D Colgan (Environmental Resources Management Australia Pty Ltd)

A step change in safety performance through Critical Control Management
AW Ryder and R Selleck* (Clough Limited)

CONCURRENT SESSION 8: Communities—the essential relationship

SPONSORSHIP AVAILABLE

How to lose social licence to operate: a case study of the NSW Coal Seam Gas industry. What happened and what can be learned? | D Snashall (ERM)

Learnings and best practices for operator and supplier social engagement in regional areas
S Goldsmith (Broadspectrum)

A community's guide to best practice local content solutions | SP Charles (TSBE)

Galvanising the opposition: social media campaigns and the new risks for the oil and gas industry
RE Glindemann (Clifford Chance)





5:00pm-6:00pm

Happy Hour in the exhibition hall

SPONSORED BY YOKOGAWA

An ideal time to network and relax at the end of the conference day, and an opportunity to 'Meet the Authors' of posters in the poster presentation area. Make sure you join this high energy period of the conference where the exhibition buzzes with conversations about what the day has delivered and the promise of events for Day 2.

 Complimentary to delegates, registered partners and exhibitors.

 Includes drinks and light refreshments.

 Business attire.

6:00pm onwards

Evening free—Take the opportunity as an oil and gas supplier to host your clients in the vibrant city of Perth. As a delegate—accept the invitations from suppliers and clients or from fellow delegates to expand your networks or reinforce current partnerships.



Tuesday 16 May

6:00am–7:00am

Cycle Ride Meet at the Perth Convention and Exhibition Centre

SPONSORED BY INTERTEK

The final opportunity for an early morning ride with your fellow delegates, before the sessions begin. This ride is complimentary for delegates, registered partners and exhibitors. See www.appeaconference.com.au for full details.

7:30am–5:00pm

Conference registration Main Foyer, Perth Convention and Exhibition Centre

8:00am–6:00pm

APPEA 2017 Exhibition open Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY SHELL

8:00am–6:00pm

APPEA 2017 Poster Presentations open

Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY BP DEVELOPMENTS AUSTRALIA

8:00am–6:00pm

KPMG Meeting Zone open Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY KPMG

Make sure you secure time for that crucial meeting with your key clients. The KPMG Meeting Zone—an ideal place to meet for an hour, with two private meeting zones, seating up to eight people. Available for bookings in advance and/or onsite. See www.appeaconference.com.au for details.

9:00am

PLENARY: DIVERSITY AND INCLUSION: IMPROVING PROFITABILITY, REPUTATION AND EFFECTIVENESS

SPONSORSHIP AVAILABLE

An industry's success is a reflection of the quality and skills of its people and a genuine commitment to workforce diversity and inclusion can improve profitability, reputation and effectiveness. Embracing diversity and inclusion in the workplace can deliver its challenges and requires authentic engagement and transparency. Session speakers and our guest facilitator will explore the role diversity plays in growing a strong business and the opportunities and challenges such an approach may face when an industry is in a period of slower growth.

Opening comments by guest facilitator

Mr Michael Schoch, General Manager, Crux, Shell Australia Pty Ltd and Champion—Women in Resources National Awards (2016)

A contractor's perspective on diversity

Mr Peter Bennett, Chief Executive Officer and Managing Director, Clough

Inspiring our employees to reach their full potential

Mr Graham Salmond, General Manager Australia, BHP Billiton Petroleum

Has oil and gas yet to discover its most valuable resources?

Mrs Lynn Kraus, Oceania Markets Leader, Sydney Office Managing Partner, EY

Ms Yassmin Abdel-Magied, Mechanical Engineer & 2015 Queensland Young Australian of the Year (invited)

Panel discussion facilitated by Michael Schoch

PLENARY

Tuesday 16 May

10:30am–11:15am

MORNING TEA IN THE EXHIBITION HALL

SPONSORED BY **AGGREKO**

11:15am

CONCURRENT SESSIONS 9–12

CONCURRENT SESSION 9: 2017 Acreage ReleasesSPONSORED BY **AUSTRALIAN GOVERNMENT DEPARTMENT OF INDUSTRY, INNOVATION AND SCIENCE****The 2017 Offshore Petroleum Exploration Acreage Release**

B Wilson, L Schofield (Australian Government Department of Industry, Innovation and Science)

The 2017 offshore Acreage Release areas: petroleum geological overview

T Bernecker and T Smith (Geoscience Australia)

Geology and hydrocarbon prospectivity of the northern Houtman Sub-basin

I Borissova, C Southby, LS Hall, E Grosjean, G Bernardel, R Owens and C Mitchell (Geoscience Australia)

Australian onshore petroleum acreage and releases 2017

R Bruce, J Haworth* (Western Australia Department of Mines and Petroleum)

CONCURRENT SESSION 10: Engineering for unconventional reservoirs

SPONSORSHIP AVAILABLE

Turn your workover costs into an investment: a case study in an east coast CSG project

E Boto (Accenture Australia) and D Merritt* (3esi-enersight.com)

Gas permeability measurement of shales using the quasi steady-state technique

NM Testamanti, R Rezaee and CS Wong (Department of Petroleum Engineering, Curtin University)

Maximising ROI through RBI in the CSG industry | K Reilly, A Ewan and A Mills* (Wood Group)**CONCURRENT SESSION 11: Seismic technology**SPONSORED BY **GEOSCIENCE AUSTRALIA****Ocean Bottom Node (OBN) seismic survey at Gorgon Gas Field** | R Cupich and B Cropp (Chevron)**Marine seismic acquisition; efficiency and environment, new technologies applied in Australia**

M Bayly, C Cunnell, M Supawala, T Brice, P Watterson and K Moran (Schlumberger-WesternGeco)

Australian national ocean bottom seismograph fleet advances conventional exploration

A Goncharov (Geoscience Australia)

CONCURRENT SESSION 12: Decommissioning: the curtain call

SPONSORSHIP AVAILABLE

Decommissioning—the next Australian oil and gas boom? | B Cullinane (Deloitte), S Gourvenec

(Centre for Offshore Foundation Systems, University of Western Australia) and R Fenn (Accenture Australia)

Decommissioning of Australia's oil and gas facilities in the 21st century

S Barrymore (Herbert Smith Freehills)

Using the ALARP principle to significantly reduce offshore decommissioning costs

M Goodwin (S2V Consulting)

Out of sight out of mind—subsea pipeline decommissioning

E Jas, A Selman (Atteris Pty Ltd), K Van Alphen and V Linton (EPCRC)

12:30pm–2.00pm

Networking Lunch in the Exhibition Hall

SPONSORSHIP AVAILABLE

Absorb all that the APPEA 2017 Exhibition has to offer whilst enjoying your lunch with your industry colleagues.



Tuesday 16 May

CONCURRENT SESSIONS 13 – 16

2:00pm

CONCURRENT SESSION 13: PESA—2016 in review

SPONSORED BY PESA

PESA 2016 Industry Review—exploration

S Mackie (Geosim Consulting Pty Ltd)

Production and development across Australia 2016

F Cullen (IHS)

PESA's 50 years—the rise and rise of technology

JD Begg (Bombora Energy Pty Ltd)

CONCURRENT SESSION 14: Process safety

SPONSORED BY DUPONT

Integrity inspection planning updated with cost of risk

Y Sokolov (Quany Pty Ltd)

Innovative inspection techniques for Ultra Deep Water Drill ships and other floating O&G production assets saving costs, enhancing safety, while assuring operational availability and asset integrity

P Davies and D Constantinis (EM&I Group)

Process safety management at Woodside—creating a sustainable global approach

R Doyle (Woodside)

CONCURRENT SESSION 15: Geoscience technology

SPONSORSHIP AVAILABLE

Otway—10 years of successful CO₂ storage operations

M Chable (Upstream Production Solutions) and R Singh (Cooperative Research Centre for Greenhouse Gas Technologies)

Analysis and characterisation of petroleum source rocks in Queensland

A Troup and J Gorton (Queensland Department of Natural Resources and Mines)

Embracing cognitive computing to unlock collective intelligence, both past and present

RS Potapinski (Woodside)

CONCURRENT SESSION 16: Environmental monitoring

SPONSORSHIP AVAILABLE

Monitoring operational discharges using autonomous underwater glider technology

R Dinsdale (Blue Ocean Monitoring Pty Ltd)

Baseline characterisation and monitoring protocols for development of shale and tight gas resources, Northern Perth Basin

A Hortle (CSIRO), S George (School of Earth and Environment, The University of Western Australia), M Myers, C White (CSIRO), N Issa and D Lumley (School of Earth and Environment, The University of Western Australia)

5 years on: monitoring of Long Island Point's Western Port wastewater discharge

M Bok (ExxonMobil Australia), S Chidgey and P Crockett (CEE Consultants)

Monitoring Demersal Scalefish populations in the Browse Basin region: accounting for spatial variability and detecting change in key fish populations

RC Babcock, E Lawrence, T van der Velde, R Pitcher and M Tonks (CSIRO)

3:15pm–3:45pm

AFTERNOON TEA IN THE EXHIBITION HALL

SPONSORED BY AGGREKO

Tuesday 16 May

3:45pm

CONCURRENT SESSIONS 17 – 20

CONCURRENT SESSION 17: Coal seam gas

SPONSORSHIP AVAILABLE

Gauging the confidence in publicly reported oil and gas reserves: Introducing the Reserves Confidence Metric (RCM) | DW McMillan (Oil Gas CBM Services)

Determining the impacts of coal seam gas extraction on water resources and water-dependent assets
DA Post (CSIRO Land and Water) and P Baker (Australia Department of the Environment)

Ultra-deep Permian coal gas reservoirs of the Cooper Basin: insights from new studies
E Dunlop* (University of Adelaide), D Warner*, P Warner, L Coleshill (DSWPET Pty Ltd)

CONCURRENT SESSION 18: Research innovation

SPONSORSHIP AVAILABLE

A case study for cost effective design of relocatable deep dewpoint control gas plant
N Kritzinger (Fluor Australia), J Mak, S Van Wagensveld and B Jung (Fluor AV–Process Engineering)

A practical workflow for performance prediction of low permeability reservoirs
A McMullen (Sproule International Ltd)

Project overruns—why are we still getting it wrong? Is the decision making process flawed?
G Lee, M Wilkes and S Whitaker (RISC)

CONCURRENT SESSION 19: Buying and selling—gas markets

SPONSORSHIP AVAILABLE

East coast gas market development through collaboration
B Wheeler, D Ibels* and E Corrigan (KPMG Australia)

Jemena’s perspective on Australian gas market dynamics: a vision of a liquid market facilitated by an interconnected supply chain | D Green and T Allen (Jemena)

A reserves driven view of the Eastern Australian gas supply a demand balance through the 2020’s
W Pulsford (Poten & Partners–Gas and LNG Consulting)

Energy security, moratoriums and domestic gas: Australia, LNG and its gas policy catch-22
C Flynn* and E Tsokos* (Gilbert + Tobin)

CONCURRENT SESSION 20: Managing our CO₂

SPONSORSHIP AVAILABLE

Carbon Capture and storage and the oil and gas industry
C Consoli, A Zapantis* (Global Carbon Capture and Storage Institute (GCCSI))

Underground storage of carbon dioxide in the Harvey Area—southwest WA
D Lim, G Strachan (ODIN Reservoir Consultants), D Van Gent (Western Australia Department of Mines and Petroleum) and S Sharma (Carbon Projects Pty Ltd)

Will natural gas demand soar as emissions reduction intensifies?
I Marten, J Vazquez, F Tibi* and NB Reid (The Boston Consulting Group)


5:00pm–6:00pm




Happy Hour in the exhibition hall

SPONSORED BY QUADRANT ENERGY

Meet with colleagues and new contacts after another busy day at the conference. Share ideas over a refreshing drink before you prepare for the Conference Dinner.

 Complimentary to delegates, registered partners and exhibitors.

 Includes drinks and light refreshments.

 Business attire.



7:30pm for 8:00pm

Tuesday 16 May

THE 2017 APPEA CONFERENCE DINNER

A NIGHT TO REMEMBER

BELLEVUE BALLROOM, PERTH CONVENTION AND EXHIBITION CENTRE



Cocktail/lounge suit



\$195 per person—
*this is not included in
your registration fee*

The annual APPEA Conference dinner remains the hottest ticket in town. You will be treated to dinner, fine wines and internationally acclaimed entertainment. *Whether you book a single ticket or a table, this event will impress!*

SPONSORED BY



BROADSPECTRUM

Wednesday 17 May

7:30am–5:00pm

Conference registration Main Foyer, Perth Convention and Exhibition Centre

8:00am–3:00pm

APPEA 2017 Exhibition open Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY SHELL

8:00am–3:00pm

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SPONSORED BY BP DEVELOPMENTS AUSTRALIA

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SPONSORED BY KPMG

An ideal place to meet for an hour, with two private meeting areas seating up to eight people. Available for bookings in advance and/or onsite. See www.appeaconference.com.au for details.

8:30am

Federal Opposition Address

The Hon Jason Clare MP, Shadow Minister for Resources and Northern Australia, Shadow Minister for Trade and Investment

PLENARY: INDUSTRY LEADERS PANEL: THE AUSTRALIAN OIL AND GAS INDUSTRY IN TRANSITION

SPONSORED BY SIEMENS

The global energy system is in transition. The world is moving towards cleaner forms of energy, societal expectations continue to shift and lower prices places pressure on existing business models and practices. The Australian oil and gas industry faces a similar transition and the industry is dealing with this transition in a variety of ways, including a greater focus on innovation, exploring opportunities for collaboration and revisiting existing business models. An exclusive Industry Leaders Panel from APPEA's exploration and production member companies will come together to discuss these transitions, what they mean for the industry globally and in Australia and how their business are responding to the challenges and grasping the opportunities that arise when the industry is a period of change.

Facilitator: Ms Maria van der Hoeven, Senior Associate Fellow Clingendael International Energy Programme and former Executive Director of the IEA.

Panelists: Ms Claire Fitzpatrick, Managing Director, BP Developments Australia
Mr Richard Owen, Chairman, ExxonMobil Australia
Mr Ian Davies, Managing Director & Chief Executive Officer, Senex Energy

10:30am–11:15am

MORNING TEA IN THE EXHIBITION HALL

SPONSORED BY AGGREGO

PLENARY

* DENOTES PRESENTER IF NOT LEAD AUTHOR | PROGRAM IS SUBJECT TO CHANGE

Wednesday 17 May

11:15am

CONCURRENT SESSIONS 21-24

CONCURRENT SESSION 21: Technology innovation**SPONSORSHIP AVAILABLE****Learning and development from the world's first operating subsea compression system**

S Yeaw, A Storstenvik and R Vesterkjaer (Aker Solutions)

An integrated operations team to drill the prelude big bore gas wells in Western Australia.**Working together delivers solutions** | L Bacarreira (Shell), C Kirithi Singam* (Schlumberger), M Buchan, A May, A Leung (Shell), ZJ Pallikathakathil, M Naveed, M Shehryar, K Jansen (Schlumberger)**LiveWell—working over coal seam gas wells without killing the well**

GE Quinn, T Vickery* and A Bougoure (ARC Well Equipment)

Advanced directional drilling with casing system pushes integration envelope to elevate efficiencies and reduce costs | G van Oo* and J Burgerhout (Huisman Well Technology)**CONCURRENT SESSION 22: Greater North West Shelf****SPONSORSHIP AVAILABLE****Triassic paleogeography and petroleum systems of the North West Shelf, Australia: key insights from new regional Triassic study** | JP Grahame (CGG—Multi-client & New Ventures)**Visualisation of geomorphological features and interpretation of the depositional system of the Brewster Member, Ichthys Field** | IA Syed*, K Ichizawa* and K Furuya* (INPEX—Ichthys Subsurface)**A re-evaluation of the lower to middle Triassic on the Candace Terrace, Northern Carnarvon Basin**

R McGee, J Goodall and S Molyneux (Carnarvon Petroleum)

New insights into the petroleum system north of the Rankin Trend

K Rodriguez (Spectrum Geo Ltd—Multiclient), M James (University of Derby) N Hand*, D Eastwell (Spectrum Geo—Ltd)

CONCURRENT SESSION 23: Developments in LNG**SPONSORSHIP AVAILABLE****Quantifying host nation benefit from LNG developments**

W Pulsford and P Goel (Poten & Partners—Gas and LNG Consulting)

The gas hub in Asia—a future case study | B Farrell (EY)**Uncharted waters: LNG as a Marine Fuel in Australasia**

WP Purio* (LNG Marine Fuels Institute) and R Duncanson* (Woodside)

Floating liquefied natural gas (FLNG): Is it still a nice niche? | M Wilkes (RISC)**FLNG innovation: discover development hotspots with patent landscaping** | R Baddeley (Watermark)**CONCURRENT SESSION 24: Regulation and taxation****SPONSORSHIP AVAILABLE****Offshore petroleum resources—policy reforms**

L Schofield (Australian Government Department of Industry Innovation and Science)

NSW—strategic release of exploration areas

D Crosdale (NSW Department of Industry Skills and Regional Development)

The impact of competition law on destination clauses in LNG contracts in the Asia-Pacific

D Poddar, N Kalic and M Grime (Clifford Chance LLP)

Achieving tax certainty for oil and gas projects | K Wee (Australian Taxation Office)**Australian taxation of offshore hubs: an examination of the law on the ability of Australia to tax economic activity in offshore hubs and the position of the Australian Taxation Office** | M Fry (Allens)



Wednesday 17 May

1:00pm–2:30pm

Networking Lunch in the Exhibition Hall

SPONSORSHIP AVAILABLE

1:00pm–2:30pm

Authors' Lunch Perth Convention and Exhibition Centre | By invitation only

SPONSORED BY EXXONMOBIL

2:30pm

PLENARY: ADDRESSING TRUST CHALLENGES AND REGULATORY UNCERTAINTY

SPONSORSHIP AVAILABLE

A more challenging environment for oil and gas investment increases the stakes in addressing above ground risks that prevent or delay exploration and development. Serious trust challenges have been created by incidents such as Macondo and a positioning of all fossil fuels as part of the problem not part of the solution in addressing climate change. A 2013 Gallop poll ranked the oil and gas industry as the least trusted industry tied for last place with the tobacco industry. The loss of trust has been amplified by sophisticated activism. The industry tends to see the solution as better communication of technical issues. However, stakeholders are seeking measures improvement in performance and greater transparency and disclosure by both industry actors and its regulators. This session will directly tackle the issues being faced and the lively panel debate will deliver a 'not to be missed' final session to APPEA 2017.

Opening comments by session facilitator

Ms Ali Moore, Journalist

Managing social licence in the midst of chaos

Ms Katherine Teh-White, Managing Director, Futureye

A regulator's perspective

Mr Stuart Smith, Chief Executive Officer, NOPSEMA

What lessons can we learn from experiences in other jurisdictions?

Speaker to be confirmed

Operating beyond social compliance

Mr Richard Boele, Partner and KPMG Global Leader for Human Rights and Social Impact, KPMG Banarra

Panel discussion with guest facilitator

APPEA closing address

Dr Malcolm Roberts, Chief Executive, APPEA

FAREWELL COCKTAILS

4:15pm–6:15pm

Farewell On Eat Street Summer Garden, Perth Convention and Exhibition Centre (outdoors)

SPONSORED BY UGL

There's no better way to say goodbye to your APPEA 2017 Conference than tasting the aromatic cuisines and boutique brews from Perth's finest. You will not forget the close of the Conference with the dynamic sights and sounds of live performers combined with the energy to be found on 'Eat Street'.



Complimentary to full delegates and registered partners.
\$50 per person for all other registration categories and additional guests.



Smart casual attire.
(Outside function.)



Thursday 18 May & Friday 19 May



2017 AUSTRALIAN OILFIELD GOLF TOURNAMENT

ORGANISED BY THE AOGT 2017 COMMITTEE

The Australian Oilfield Golf Tournament (AOGT) traditionally follows the APPEA annual conference and is now in its 51st year. The tournament is brought to you by a committee of dedicated volunteers from the oil and gas industry and in 2017 aims to raise funds for a nominated WA Charity.

The tournament caters for social and club golfers alike, with both Ambrose teams and individual competitions over the two day event. The 2017 AOGT will be played at Joondalup Country Club and Mount Lawley Golf Club.

Places will book out fast, so please act quickly. To register and for further information, download and submit a separate registration form at www.appeaconference.com.au. For those wanting to mix business with pleasure, various sponsorship packages are available, including complimentary registrations.

Contact: Derek Morrow, Chairman AOGT2017 M +61 419 926 895 E aogt2017@westnet.com.au

Thursday 18 May – Sunday 21 May

POST-CONFERENCE FIELD TRIP—NORTHERN PERTH BASIN



The excursion will provide an introduction to the Mesozoic and Palaeozoic geology of the northern Perth Basin, a now mature gas and oil province with 9 of 20 fields discovered remaining in production—the most recent discoveries, Waitsia and Senecia, came online in August 2016. Aspects to be covered by the excursion include sedimentology of reservoir and source facies, and structure, commencing with a half-day inspection of core at the Department of Mines and Petroleum core library in Perth, and followed by examination of outcrops between Cervantes and Kalbarri.

All accommodation and meals will be provided during the excursion, which will finish with participants returned to their hotels in Perth at approximately 7pm on the Sunday evening. Transport will be in a comfortable coach with accommodation at local motels where breakfast and evening meals will be supplied. Lunch will be provided safari-style in the field. The approximate cost of the tour will be \$1100 per person (twin share) for 10 to 22 participants.

The excursion will be led by the Geological Survey of Western Australia's Arthur Mory, who has worked extensively on the Phanerozoic geology of the state.

To note your expression of interest, please advise during your online registration process at www.appeaconference.com.au or email gtoirkens@appea.com.au. All expressions of interest should be lodged by 30 March 2017. A minimum of 10 participations will need to be secured for the tour to operate.

If you have any direct questions in relation to the tour logistics, please contact Arthur directly on arthur.mory@dmp.wa.gov.au.

NOTE: If you require accommodation for the evening of Sunday 20 May, this can be booked by adjusting your registration details or contacting Sane Event Group direct on appea2017@saneevent.com.au. Accommodation is subject to availability at time of booking.



POSTER PRESENTATIONS

SPONSORED BY



The APPEA conference technical program incorporates an extensive poster series comprising of over 40 outstanding papers. Extended abstracts or full papers of these posters will be included in the APPEA Journal (conference proceedings) provided after the conference.

The poster series will be on display within the Exhibition Hall of the Perth Convention and Exhibition Centre from 8:00am to 6:00pm Monday and Tuesday, and 8:00am to 3:00pm Wednesday. Delegates are encouraged to meet the authors of the posters on Monday 15 May from 3:15pm to 6:00pm to discuss their work.

GEOSCIENCE

Integrated 3D basin and petroleum systems modelling of the Great Australian Bight

E Frery (CSIRO), M Ducros (IFPEN), L Langhi, J Strand and A Ross (CSIRO)

Getting it right the first time in the Ceduna Basin: regional and target depth imaging in a frontier setting

W Koh (Petroleum Geo-Services)

Evolution of the outer basin high, Ceduna Sub-basin, southern Australia

J Cunneen, C Grigg and E Keating (Department of Applied Geology, Curtin University)

Petroleum migration in the Bight Basin: a fluid inclusion approach to constraining source, composition and timing

R Kempton, J Bourdet, S Gong, A Ross (CSIRO) and J Pironon (GeoRessources laboratory, Universite de Lorraine)

Sweet-spot mapping of the Goldwyer Formation through formation evaluation and property modelling in the Canning Basin, Barbwire Terrace case study

M Alshakhs* and R Rezaee* (Department of Petroleum Engineering, Curtin University)

GEOSCIENCE

Lithofacies analysis and sequence stratigraphy of the Roseneath-Epsilon-Murteree gas plays in the Cooper Basin, South Australia

F Guo and P McCabe (Australian School of Petroleum, The University of Adelaide)

Imaging below seafloor canyons and other rugose features

D Fell, K Dyal (WesternGeco), T Hallam and S Nixon (Origin)

Enhancing SAR seep interpretation with broadband seismic data: a case study from the Timor Trough

R Edwards, M Sanderson (CGG NPA), P Martinez Duran (CGG Geoconsulting), G Duval (CGG Multiclient New Ventures) and M King (CGG NPA)

Interpretative filtering

L Monteignies (Estimages Australia), C Magneron, N Gritsajuk, M Bourdais*, L Ajjabou (Estimages France), S Lacaze and J-P Adam (Ellis SAS)

Polynomial amplitude versus azimuth inversion in horizontally transverse isotropic media

J Kremor, R Taylor, K Amrouch (Woodside)

South west hub project, Western Australia: appraising 'migration assisted' containment for carbon dioxide storage in sandstone strata

D Van Gent (Department of Mines and Petroleum, Western Australia), S Sharma (Carbon Projects Pty Ltd), M Burke, L Stelfox (Western Australia Department of Mines and Petroleum) and L Stalker (CSIRO and National Geosequestration Laboratory)

When, where and how a field scale 4D geomechanical model should be built

A Younessi (Baker Hughes Australasia)

Impact of faults and compartmentalization on geological carbon storage estimates in highly faulted basins

J Poesse, LP Ricard* and A Hortle (CSIRO-ARRC)

Portfolio analysis of petroleum fields and prospects—a robust statistical method

A Vujovic (Applied Geology, Curtin University), R Gupta (Mathematics, Curtin University) and GC Smith (Applied Geology, Curtin University)

Investigation into permeability estimations of unconsolidated sands using NMR techniques

K Pal, R Rezaee (Department of Petroleum Engineering, Curtin University), T Hopper (NMR Services Australia), N Testamanti and J Zou (Department of Petroleum Engineering, Curtin University)

Regional parametric sensitivity analysis of Walloon Subgroup CSG production

D Shields and F Zhou (Earth Science, University of Queensland), J Esterle (University of Queensland)

Using precise CA-TIMS ages of volcanic air-fall tuff beds in correlating the Walloon Coal Measures of the Surat Basin, Australia

C Wainman and P McCabe (Australian School of Petroleum, University of Adelaide)

Petroleum systems analysis of the northern Houtman sub-basin

LS Hall, E Grosjean, I Borissova, C Southby, R Owens, G Bernardel and C Mitchell (Geoscience Australia)

Integrated petroleum systems analysis to understand the source of fluids in the Browse Basin, Australia

T Palu, LS Hall, N Rollet, D Edwards, K Higgins, E Grosjean*, C Boreham (Geoscience Australia), A Murray (Murray Partners), D Nguyen, K Khider and T Buckler (Geoscience Australia)

Anisotropy parameter inversion from sonic and density logs in horizontally transverse isotropic media

J Kremor, K Amrouch (Woodside)





ENGINEERING



Not all barrels are created equal: understanding why and how can impact your investment decisions

A McMullen (Sproule International Ltd)

Novel pipeline integrity inspection of casino pipeline brings significant benefits

S Henzell (Advisian) and F Read (Santos)

Lean offshore platform design

D Sage, M Bieganski and A Grant (Aker Solutions ASA)

How to effectively manage production facility low temperature exposure risk

J Bonini (S2V Consulting)

Natural catastrophe risk modelling for northwest Australia offshore installations

T Inamura (Sompo Risk Management & Health Care Inc.), F Lobo, H Sano and R Hirose (Sompo Canopus)

Green enhanced oil recovery (GEOR)—a case study of Australian oil fields

B Haq (King Fahd University of Petroleum and Minerals), J Liu (School of Mechanical & Chemical Engineering, University of Western Australia) and K Liu (Petroleum Geoscience Research and Centre RIPED, PetroChina)

Recirculation of clean fluid to improve the efficiency of progressive cavity pumps (PCPs)

J Martin (Steelhead Energy Services)

The digital workforce—disruptive technologies changing the way work gets done

C Jordan (Accenture Australia)

T2 cut-off determination from low-field nuclear magnetic resonance on shales: case study of the Carynginia Formation, Perth Basin, Western Australia

N Testamanti, R Rezaee (Department of Petroleum Engineering, Curtin University), Y Yuan (Department of Petroleum Engineering, Curtin University and China University of Petroleum Huadong) and D Pan (Curtin University)

Cryogenic expansion joint for LNG service

M Lu and AW Ryder (Clough Ltd)

Case study: effects on Coal Seam Gas (CSG) well production with installation of wellhead compression (oil flooded rotary screw type)—early outcomes of an Australian trial of 4 wells in the Bowen Basin

TM Presley (Johnson Controls Inc), E Kurnia and B Wronski (Origin Energy Ltd)

Demonstrating good practice in the safe operation of gas assets with predictive analytics

C Bourdeau (Accenture Australia), H Engelbrecht (Woodside) and N Abbaspour (Accenture Australia)

Reservoir to market: generating cost reduction by coupling the surface facilities with reservoir data through integrated asset modelling | S Stokes (INTECSEA)

Real-time geomechanical modeling brings significant benefits to deepwater wildcat exploration drilling campaign—a case study | MS Asadi, A Ghosh (Baker Hughes Australasia), S Bordoloi and MM Reese (Baker Hughes Inc)

Influence of brine salinity on CO2-plume migration and trapping capacity in deep saline aquifers

E Al-Khdheawi (Petroleum Engineering, Curtin University), S Vialle (Department of Exploration Geophysics, Curtin University), A Barifcani (Petroleum Engineering, Curtin University), M Sarmadivaleh (Curtin University) and S Iglauer (Petroleum Engineering, Curtin University)

Correction of laboratory gas permeability measurements using Klinkenberg type correction models

TG Hoang (Australian School of Petroleum, The University of Adelaide), P Behrenbruch and MT Do Huu (Bear and Brook Consulting)

BUSINESS

What happens when quantum computing re-defines the assessment of investment risk?

M Laybourn and J Pascoe (Accenture Australia)

Operator and supply chain collaboration in Australia and the UK

M Lynn, D Melis, A Samuel and P Tan (Deloitte Touche Tohmatsu Australia)

Reducing costs and achieving better environmental outcomes for projects

G Bartrim (Origin Energy) and L Hahn (Lorax Environmental Services)

The challenges of obtaining environmental approvals in frontier offshore basins, using the Great Australian Bight as a case study | G Pinzone (Aventus Consulting Pty Ltd)**Decommissioning and remediation challenges for the petroleum industry** | PF Shaw (Decomrem Holdings Pty Ltd)**Connecting IT, OT and ET for asset performance modeling**

L Carlson and A-M Walters* (Bentley Systems Pty Ltd)

Creating a resilient management system delivering a flexible foundation for growth in an oil and gas organisation

S Barlow (Woodside)

The internet of things (IoT) is transforming the oil and gas industry—reducing cost, improving operational efficiency, increasing safety and helping tap into new markets | P Hogarth-Scott and B Wheeler (KPMG)**Faster, higher, stronger: the competitive advantage of efficient data management for front-end decision-making**

N Blundell (Arrow Energy)

Business; 50 years delivering efficient, cost effective power and temperature/humidity control solutions

CJ Wheeler (Aggreko Generator Rentals Pty Ltd)

Remote operations centres—what next? | AC Sandilya and B Farrell* (Ernst and Young LLP)**Tax transparency is not just about tax** | J Rintoul (EY)

PROGRAM IS SUBJECT TO CHANGE | * DENOTES PRESENTER IF NOT LEAD AUTHOR

Australasian Petroleum Permits Map and Book

2017 editions of the Petroleum Permits of Australasia Map and Book will be released on the opening morning of the conference. Pre-order your copy of these essential and iconic industry publications with your conference registration (online at www.appeaconference.com.au).


The Permits Map is A0 in size and includes permit outlines, oil and gas fields, major discoveries and pipelines for Australia, New Zealand and Papua New Guinea, as well as enlargements over areas of significant exploration interest. Up-to-date information on permit ownership, areas and expiry dates are available in the Permits Book, with listings both by state and by company. The book is offered in digital format and purchase includes quarterly updates.

FREE POSTAL DELIVERY FOR ALL MAP PRE-ORDERS

A0 permits wall map: \$80 per paper copy, \$120 per laminated copy

Digital permits book (with quarterly updates): \$100

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APPEA JOURNAL AND CONFERENCE PROCEEDINGS

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AVAILABLE

The APPEA Journal (including conference proceedings) will be published online three weeks after the conference. Delegates who receive the proceedings as part of their package, will receive a password to access the highly sought after conference material. It will contain peer-reviewed papers and extended abstracts of all the oral and poster presentations delivered at APPEA 2017 combined with plenary presentations, award details, acreage release presentations and the PESA industry review material.

For the first time, this online publication is being published by CSIRO Publishing — APPEA is proud to continue to deliver a conference proceedings that is internationally acclaimed and distributed world-wide.



Technical program judging



At the end of each annual conference, APPEA presents four prestigious awards relating to the technical and business program. These are the:

- 'Alan Prince' Award for Best Peer Reviewed Paper published in the APPEA Journal
- Best Extended Abstract published in the APPEA Conference Proceedings
- Best Oral Presentation at the APPEA Conference
- Best Poster Presentation at the APPEA Conference

Are you able to volunteer to assist with the judging process for 'Best Oral Presentation'.

- You do not have to be an 'expert' in the field of the presentation.
- You will be judging the presenter's ability to communicate his or her message rather than the content of the message.

If you would like to assist, please tick the relevant box during the online registration process in the section which relates to the concurrent sessions.

If you have any questions about this aspect of the APPEA Conference, please feel free to contact: Dr Steve Mackie, Chairman of the APPEA Technical Program Committee
e steve.mackie@geosimconsulting.com.au

2016 APPEA Conference Award Winners

Best oral presentation



Could a structurally controlled, hydrothermal dolomite play be operative in Cambro-Ordovician carbonates of the southern Georgina Basin, Queensland?

Authors: RJ Willink, MJ Bucknill and NC Palmer (Central Petroleum Ltd)

Presenter: Robert Willink (Central Petroleum Ltd)

Best poster presentation



A low-cost deepwater gas development solution using subsea dehydration

Authors: R Moore (SubCool Technologies Pty Ltd) and I Long (INTECSEA, WorleyParsons Group)

Presenter: Richard Moore (SubCool Technologies Pty Ltd)

Best extended abstract published in the 2016 APPEA Journal



Evaluating potential coal seam gas impacts to the Condamine Alluvium: an example of successful community involvement

Authors: S Gossmann, S Denner, S Herbert (Arrow Energy Pty Ltd), S Pandey (Klohn Crippen Berger), R Cox, M Gallagher and J Moncrieff (Office of Groundwater Impact Assessment, Queensland Government)

Presenter: Simon Gossmann

Alan Prince Award— Best peer-reviewed paper published in the 2016 APPEA Journal jointly awarded



The patchwork approach to the regulation of fracking and unconventional in Australia

Author & Presenter: John Hedge (Allens)



The Waitsia Field, onshore North Perth Basin, Western Australia

Authors: N Tupper, E Matthews, G Cooper, A Furniss, T Hicks and S Hunt (AWE Limited)

Presenter: Neil Tupper



APPEA 2017 Exhibition

SPONSORED BY SHELL



Meet with the industry's leading explorers, producers and suppliers in this one-stop-shop exhibition of the best the Australian and international oil and gas industry has to offer.

This remains the exhibition where 'The world meets Australian oil and gas'.

The APPEA 2017 Exhibition will provide an exceptional opportunity to view the latest technologies and the newest advances in the oil and gas industry. Covering more than 9000m² of exhibition space, almost 200 exhibitors are expected at this premier exhibition of Australia's oil and gas industry.

To view the APPEA 2017 Exhibition Prospectus and the confirmed exhibitors to date, please visit www.appeaconference.com.au.

APPEA 2017 Sponsorship opportunities

Traditionally with more than 2500 attendees from more than 30 countries, the APPEA Conference offers an unparalleled opportunity to showcase your products and services to the industry's key players and decision-makers on a world stage.

Get connected and build lasting business relationships. If you only make one sponsorship investment this year, the APPEA 2017 Conference and Exhibition is the one that will take your brand to the world of oil and gas. Align your company with one of the most visited and respected events on the world's oil and gas calendar. At APPEA 2017 a range of sponsorship packages are available to suit your company's marketing and branding objectives.

To view the APPEA 2017 Sponsorship Prospectus and the current sponsors, please visit www.appeaconference.com.au.

To discuss and book available sponsorship packages, please contact: Julie Hood, Director Events, APPEA on +61 412 998 474.





The conference website www.appeaconference.com.au will provide delegates with comprehensive information on all aspects of the event including climate, dietary requirements, dress code, dinner seating, insurance, language, special needs, Perth City and Australian visa information.

APPEA 2017 CONFERENCE AND EXHIBITION PROUDLY SUPPORTED BY



PERTH CONVENTION AND EXHIBITION CENTRE



Registration

The registration and enquiry desk will be located in the main foyer of the Perth Convention and Exhibition Centre and will be open from:

Sunday 14 May:	7:30am–7:00pm
Monday 15 May:	7:30am–5:00pm
Tuesday 16 May:	7:30am–5:00pm
Wednesday 17 May:	7:30am–3:00pm

Communication with delegates

All communication with registered delegates will be by email, wherever an email address is provided. If you register and do not receive a confirmation by email within one working day please contact the conference administrator, Sane Event Group by phone on +61 2 9553 1260 or email appea2017@saneevent.com.au.

Partner program



APPEA's partner program is open to all registered partners and allows for attendance at conference feature events including the welcome reception, official conference opening, the farewell cocktail party and the conference dinner (please note that the conference dinner tickets must be purchased separately).

On Monday morning APPEA will host a morning tea for all registered partners, this will be an opportunity to meet, mingle and to make friends with the other partners attending the event. From there you are free to explore the beautiful city of Perth and its surrounding suburbs and regions.

The Partners' Lounge will be located within the Perth Convention and Exhibition Centre. Opening times: Monday 15 and Tuesday 16 May from 8:00am to 4:00pm, and on Wednesday 17 May from 8:00am to 3:00pm. For inclusions see page 24 or www.appeaconference.com.au.

Registration is \$145



Register for this event online at www.appeaconference.com.au



CATEGORIES AND INCLUSIONS

	Full delegate	Day delegate	Partner ^{5,6}	Student ⁷	Comp. full delegate ⁸	Exhibition booth staff
Conference opening session	✓	✓	✓	✓	✓	
Plenary session access	✓	✓		✓	✓	
Concurrent session access	✓	✓		✓	✓	
Exhibition access	✓	✓	✓	✓	✓	✓
Welcome reception ¹	✓		✓		✓	
Farewell cocktails ¹	✓		✓		✓	
Refreshment breaks and networking lunches	✓	✓	✓	✓	✓	✓
Happy hours	✓	✓	✓	✓	✓	✓
Conference Dinner ²						
Satchel ³	✓	✓		✓	✓	
APPEA Journal (Conference Proceedings) including the Conference Handbook ⁴	✓			✓	✓	

Notes

- Tickets/additional tickets for the Welcome reception and the Farewell cocktails can be purchased for \$95 and \$50 respectively during the registration process.
- Tickets for the conference dinner can be purchased prior to the event as part of the registration process for \$195 each.
- Full, day and student delegates whose registrations are received after 23 March 2017 may be provided with an alternative conference satchel.
- The APPEA Journal (conference proceedings) will be published online and available within three weeks of the conference. Subscribers will be issued with a unique access code.
- Partners registrations can only be purchased by a full delegate. Partners attending are not permitted to work as exhibition staff. Such individuals are required to register as exhibition booth staff (see exhibition booth staff category).
- Partners wishing to attend individual conference sessions to see their partners present are requested to contact Cath Sutton on site at the Partners' Lounge for an access pass.
- Student registrations will close COB 23 March 2017. Evidence of full-time study in 2017 indicating the name of the institution and student number must be provided with the registration form. For full details please see www.appeaconference.com.au under 'Attend'.
- Complimentary full delegate in exhibition package.
- Accredited media must be pre-approved by the APPEA Secretariat before registering. Please refer to the media section at www.appeaconference.com.au
- The Sunday Cycle Tour is complimentary to delegates, registered partners and exhibitors. Additional non-delegate riders are permitted at a cost of \$80. Places for additional riders must be purchased by a registered delegate.
- APPEA has negotiated with specific industry bodies and associations for special rates for their members. For more details please refer to the Attend/Register section on www.appeaconference.com.au

PRICING

		Early bird to 23 Mar	Standard 24 Mar–5 May	Late 6–17 May
Full delegate	APPEA Member/Govt	\$1,620	\$1,845	\$1,995
	Non member ¹¹	\$2,095	\$2,295	\$2,495
	Comp. full delegate ⁸	\$0	\$0	\$0
	Honorary Life Member	\$0	\$0	\$0
Day delegate (price per day)	APPEA Member/Govt	\$825	\$970	\$1,040
	Non member ¹¹	\$1,095	\$1,190	\$1,290
Exhibition booth staff	APPEA Member/Govt	\$310	\$365	\$425
	Non member	\$365	\$425	\$490
Other types of registration	Student ⁷	\$99	\$99	\$99
	Partner Registration ^{5,6}	\$145	\$145	\$145
	Media ⁹	\$0	\$0	\$0
Social and networking functions	Cycle Tour additional riders ¹⁰	\$80	\$80	\$80
	Welcome Reception ¹	\$95	\$95	\$95
	Conference Dinner ²	\$195	\$195	\$195
	Farewell Cocktails ¹	\$50	\$50	\$50

APPEA has block-booked accommodation at the hotels and apartments listed. To take advantage of the special rates negotiated for APPEA 2017 Conference delegates, please complete the accommodation section of the registration form online (at www.appeaconference.com.au). All bookings will be accepted on a first-come first-served basis until hotel blocks are full.

Perth has a range of accommodation to suit different budgets. If you cannot see the type of accommodation you are looking for, or if you require more information regarding room inclusions on a specific hotel, please contact the conference administrators, Sane Event Group, directly on +61 2 9553 1260, or email appea2017@saneevent.com.au who will endeavor to locate a hotel to match your requirements or answer any questions that you may have. Note: for location references, please refer to the map at www.appeaconference.com.au

Hotel	Location	Room type	Per night	Breakfast
Adina Apartment Hotel Perth www.tfehotels.com	33 Mounts Bay Rd Walk to venue: 93m 1 minute	Premier One Bedroom Apartment (1 king bed or 2 single beds)	\$320	Available
		Premier Grand Apartment (1 king bed or 2 single beds)	\$350	
Parmelia Hilton www3.hilton.com	14 Mill St Walk to venue: 230m 3 minutes	Hilton Queen Guestroom (1 queen bed)	\$299	\$23 per person
		Hilton Twin Guestroom (1 king single)	\$279	
		Hilton King Guestroom (1 king bed)	\$329	
Mounts Bay Waters Apartment Hotel www.mounts-bay.com.au	112 Mounts Bay Rd Walk to venue: 550m 8 minutes	One Bedroom Apartment (1 king or 2 single beds)	\$194	\$28 per person (continental \$20)
		Two Bedroom/One Bathroom Apartment (2 double or 2 single beds)	\$290	
		Three Bedroom/Two Bathroom Apartment (double beds and 2 single beds)	\$520	
Rendezvous Hotel Perth Central www.tfehotels.com	24 Mounts St Walk to venue: 600m 8 minutes	Guest Rooms (1 queen bed)	\$239	\$20 per person (pre-booking required)
Holiday Inn Perth www.holidayinnperth.com.au	778–788 Hay St Walk to venue: 700m 10 minutes	Superior Room (1 king bed)	\$239	\$29 per person
Ibis Perth www.ibis.com	334 Murray St Walk to venue: 750m 11 minutes	Standard Room (1 queen bed)	\$200	\$20 per person
Four Points by Sheraton www.fourpointsperth.com	707 Wellington St Walk to venue: 1 km 14 minutes	King Room (1 king bed)	\$235	\$25 per person
Mercure Perth www.mercure.com/Perth	10 Irwin St Walk to venue: 1.4 km 18 minutes	Standard Room (1 queen bed)	\$220	\$20 per person
Duxton Hotel www.perth.duxtonhotels.com	1 St Georges Tce Walk to venue: 1.5 km 19 minutes	Deluxe King Room (1 king bed)	\$279	\$30 per person
		Deluxe Riverview Room (1 king bed)	\$319	
		One Bedroom Suite (1 king bed including lounge access and breakfast)	\$404	Included



All registration fees must be paid in full prior to the event or by 12 May 2017 to guarantee and confirm registration. Once payment has been received, an email confirmation and receipt will be provided. If payment is not made at the time a registration is lodged then registration will be deemed provisional and APPEA reserves the right to deal with such registrations in its absolute discretion.

APPEA reserves the right to levy an administration fee for any notice of cancellations by attendees or delegates received in writing. For cancellations received in writing by COB Monday 1 May 2017, a full refund (less \$475 for full registrations, \$235 for day registrations, \$66 for partner registrations and \$75 for exhibition staff registrations to cover administration costs) will be made. No refunds will be issued for cancellations received after this date. In addition, full cancellation fees will apply for social functions cancelled COB Monday 1 May 2017.

Should you be unable to attend the event, then a substitute delegate or attendee is welcome at no extra charge on condition that the conference administrators Sane Event Group are notified in writing by COB Tuesday 9 May 2017. Any request for name changes after this date will incur an administration fee of \$55.

All changes and cancellations must be made in writing (email to appea2017@saneevent.com.au). No changes or cancellations will be accepted verbally or by fax.

Please note: If a registration is submitted and is unpaid, no cancellation notice is received and the delegate does not attend the event, this will still be considered an active registration and payment will be requested in full by the conference administrators.

In the event of a lost name badge onsite, a replacement fee will apply.

Subject to applicable law (including the Australian Consumer Law), APPEA reserves the right in its absolute discretion to prohibit entry of any person to an APPEA event, or eject any person from an APPEA event based on behavior deemed inappropriate, unacceptable or unreasonable by APPEA staff and/or its agents and others working under its authority.

APPEA reserves the right to change or alter the published program at any time. In such an event APPEA will use every endeavor to ensure a program of equivalent standard is provided.

Subject to applicable law including the relevant provisions of the Australian Consumer Law, in the event that APPEA is required to cancel the event or program, the liability of APPEA will be limited to a refund of the registration fee or re-scheduling the event and to the fullest extent possible under law APPEA will not be liable for any loss, damages, costs, indirect or consequential damages for breaches of these terms and conditions.

Any views expressed by speakers remain at all times their own personal views. Subject to applicable law, APPEA does not accept liability for any advice given, or views expressed by any speaker at any event or conference or in relation to any materials provided to delegates or attendees.

Delegates or attendees should advise APPEA of any special access requirements at the time of registration.

All delegates or attendees are advised that APPEA may take photographs of any individuals attending the event for future promotional purposes and in consideration of payment of the registration fee you consent to the taking of any photographs and waive any rights to the future use of your image by APPEA for these purposes.

Privacy Policy

APPEA is concerned with the protection of your privacy. We acknowledge and abide by our obligations under the Australian Privacy Principles contained in the Privacy Act 1988 (Cth) as amended. APPEA collects and stores your personal information for the purposes of providing registration and delegate services, education and training programs, and improving and promoting products and services, and membership status in various ways. To view full details of APPEA's privacy policy please visit our website at www.appea.com.au/privacy-policy.

Delegate list

APPEA will distribute a delegate list in the week prior to the event via email and at the event via the mobile App and to the Principal sponsor's pre and post event. Attendees can opt out of these lists when registering for the conference. Should you not wish to have your details to be provided by way of delegate lists or other communications to the conference sponsors, please email in the first instance akelly@appea.com.au. If you have any questions or concerns about your privacy in relation to this event please contact csutton@appea.com.au.

Payment

All registrations should be accompanied by an appropriate form of payment. All credit card payments will be accepted except for Diners. (A surcharge of 3% will apply to all credit card transactions.) All figures are quoted in Australian dollars and include GST. A tax invoice will be included with your confirmation email.

Please note: Delegates will not be permitted access to the conference unless payment is received in full by the conference administrators, Sane Event Group. Please do not send your payments directly to APPEA.

Early Bird Registration

Early bird registrations close on Thursday 23 March 2017. If full payment has not been received by COB Thursday 6 April 2017 for an early bird registration, APPEA will charge the full registration fee for that delegate.

Accommodation

Accommodation bookings should be made at the time of registration to ensure you obtain accommodation at the property of your choice. Bookings must be made on the applicable section of the registration form. Delegates will be responsible for payment of their accommodation and all costs incurred during their stay upon check out at the hotel. Some hotels may charge a one night deposit to your credit card prior to the event. This amount will be deducted from the credit card provided directly by the hotel.

Disclaimer: It is your responsibility to review the accommodation provider, the facilities and the conditions in which the booking is offered. APPEA does not accept any liability for any loss or damage that you might suffer due to unsatisfactory accommodation arrangements made by you. Please take care when assessing and booking accommodation arrangements.

Cancellations and amendments No cancellation fee will be charged if you advise an amendment or cancellation in writing to the conference administrator, Sane Event Group, to appea2017@saneevent.com.au before Wednesday 3 April 2017. A cancellation fee of one night will be charged for cancellations or reduced room nights between Tuesday 4 April 2017 and 25 April 2017 (inclusive). No refunds will be provided for cancellations or reduced room nights after 25 April 2017.

The credit card provided at the time of booking will automatically be charged by the nominated hotel, for any cancellation fees incurred. No new bookings or accommodation changes can be made over the phone. All bookings/changes must be made in writing to appea2017@saneevent.com.au.

After Friday 12 May 2017, accommodation should be booked or amended directly through the hotels. Please note, after Friday 12 May 2017, the conference administrators are not responsible for advising hotels of changed circumstances, even if they are advised of a cancellation/change of registration details. Hotels will directly debit delegates' credit card details for cancellations and no shows (if not advised prior). Please ensure you are aware of the conference registration cancellation policies as outlined above.

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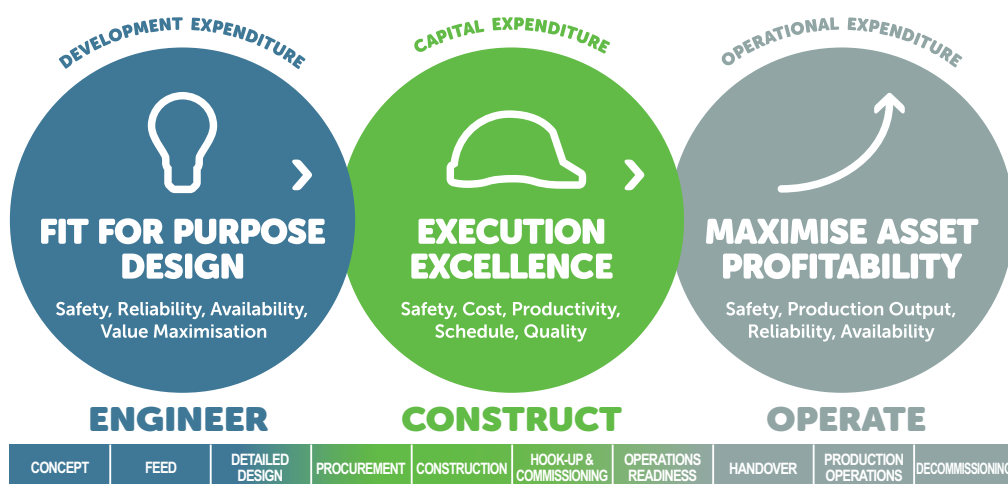




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