

the australian petroleum production & exploration association presents

CELEBRATING **60** YEARS | 14-17 JUNE PERTH

# APPEA2021

CONFERENCE AND EXHIBITION



**REGISTRATION AND PROGRAM**

**ENERGY FOR A BETTER AUSTRALIA**

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14-17 JUNE PERTH

# APPEA2021

## CONFERENCE AND EXHIBITION

PERTH CONVENTION AND EXHIBITION CENTRE

|  |       |
|--|-------|
| Invitation from the APPEA Chair                                    | 4     |
| APPEA Introduction to Oil and Gas Seminar & PESA Deal Day          | 5     |
| Welcome Reception  | 5     |
| Conference Program   | 6-18  |
| Conference Dinner  | 15    |
| Farewell Cocktails   | 18    |
| Technical and Business Poster Presentations                        | 20-21 |
| Australian Oilfield Golf Tournament                                | 22    |
| <i>The APPEA Journal</i> and GPInfo Petroleum Permits Map and Book | 22    |
| Technical program awards   | 23    |
| Mentor Program   | 23    |
| Sponsorship and exhibition opportunities                           | 24    |
| General and Registration information                               | 25-26 |
| Participant terms and conditions                                   | 27    |
| Virtual registration   | 28    |
| Virtual registration terms and conditions                          | 29    |
| Sponsors   | 30    |



### JOIN THE BUZZ ON SOCIAL MEDIA

The event's official hashtag is **#APPEAConf**

Be sure to follow us at **@APPEALtd** and **@appeaconference**

**APPEA2021**  
WILL BE A  
COVID SAFE  
EVENT

**Being COVID Safe is everyone's responsibility. Please follow COVID Safe practices when attending the conference and exhibition.**

APPEA 2021 will be delivered under our approved COVID Event Plan. The safety of a delegates, presenters, authors and staff is our highest priority. The APPEA 2021 Conference and Exhibition website will be updated with additional information and detail in the lead up to the event.





INVITATION FROM THE APPEA CHAIR KEVIN GALLAGHER

Australia’s oil and gas industry is a vital driver of economic growth and prosperity for our nation and the wider Asia–Pacific region. In Australia alone, more than 80,000 jobs are directly and indirectly supported by the sector as well as thousands of businesses across the oil and gas supply chain.

During the unprecedented year that was 2020, our industry, like many others, faced the most challenging conditions ever seen with demand destruction, excess supply and oil prices falling more than 75 per cent over the first four months of last year. But as an industry we have met the challenges presented to us, continuing to provide secure supplies of gas across Australia, generating valuable export earnings, royalties and jobs, while protecting the health and wellbeing of our workers.

The challenge ahead of us is how to return our sector to sustainable growth, and in doing so, continue to support Australia’s economic recovery. A growing oil and gas sector is uniquely positioned to drive a gas-fired recovery, playing a role in almost all Australian industries. For every direct job in our industry, oil and gas sustains ten jobs elsewhere in the economy.

Our track record of attracting international investment helps drive long-term economic growth and prosperity. In the last decade, the industry invested \$473 billion in Australia in projects for both domestic supply and export to our trading partners in Asia. But we need to make sure that Australia and our industry, remains an attractive place to invest. After all, the International Energy Agency’s (IEA) Net Zero Emissions by 2050 scenario shows the world still needs more investment in upstream supply.

At home and abroad, the oil and gas industry is integral to the world’s aspiration for a cleaner energy future. IEA energy outlook scenarios find that in 2040 natural gas will still account for around 25 per cent of final energy demand. So natural gas will have a leading role to play in reducing greenhouse gas emissions for decades to come. Globally, the timing of a net zero emissions energy transformation will be driven by how quickly our customers evolve as they switch from coal to gas, demand more carbon neutral LNG cargoes and zero-emissions fuels such as hydrogen. The natural gas customers of today are the hydrogen customers of tomorrow.

APPEA’s members are uniquely placed to be part of the global energy transformation, with the skills, capabilities, infrastructure and access to resources and markets that could make Australia a leader in providing the net zero emissions fuels of the future to the world.

At home, Australia has a natural advantage in carbon capture and storage, hydrogen development, nature-based offset opportunities and renewables such as solar and wind that are complemented by the firming capability of natural gas in our electricity market.

Australia’s LNG exports are also helping our trading partners reduce their emissions. For every tonne of emissions from producing LNG in Australia, between three and ten tonnes of emissions are saved when it is used to replace coal-fired power generation in Asia, the region accounting for half the world’s total emissions. Natural gas is also reducing urban air pollution and improving human health outcomes in Asia, and it is helping bring the world closer to the promise of universal access to energy and, as a result, higher living standards.

Last year, in the midst of the worldwide COVID-19 pandemic, Australia became the world’s biggest LNG exporter bringing in nearly \$50 billion in export income for the nation and supporting tens of thousands of Australian jobs. So, it’s fitting that in 2021 we are holding Australasia’s premier oil and gas conference in Western Australia, from where the first shipment of Australian LNG sailed for Japan 32 years ago.

Over the past six decades, the APPEA Conference and Exhibition has evolved to become the most important gathering of the oil and gas industry in the southern hemisphere, tackling the big issues facing energy producers, customers and policymakers.

The 2021 conference, *Energy for a Better Australia*, will be delivered in an exciting hybrid format that enables delegates to participate in-person or virtually. The program will feature international case studies, opinions and technical knowledge as well as keynote plenary sessions covering the big issues and ideas relevant to our industry.

The APPEA 2021 Conference and Exhibition is an important platform for the industry to meet and openly discuss the opportunities and challenges that climate change and the future of oil and gas in a net zero emissions world, brings to our industry.

We sincerely thank our principal sponsors—Woodside and Clough—for their tremendous support. The support from all our sponsors is both appreciated and essential to the success of our conference.

I hope you will join us at APPEA 2021, whether in-person in Perth or via our virtual platform and contribute to this important conversation about the role of Australia’s oil and gas industry in delivering *Energy for a Better Australia*.

**Kevin Gallagher**  
APPEA Chairman

## Monday 14 June 2021

Registration:  
8:30am

### APPEA INTRO TO OIL AND GAS SEMINAR

INDUSTRY EVENT

Seminar:  
9:00am–5:00pm

Perth Convention and Exhibition Centre

APPEA's introductory series gives a broad understanding of the Australian oil and gas industry and is ideal for:

- contractors
- government policymakers
- professionals and advisors
- employees new to the industry
- members of the community seeking a basic understanding of the industry.

Attendees gain an appreciation of the geological, technical, and economic aspects of the industry, features of the onshore and offshore environments, as well as the exploration, development and production phases. The seminars offer an invaluable opportunity to understand the key characteristics and global context of Australia's oil and gas industry and come to grips with its key concepts and terminology.

[www.appea.com.au/appea-event/introduction-to-the-oil-gas-industry-seminars/](http://www.appea.com.au/appea-event/introduction-to-the-oil-gas-industry-seminars/)



*Registration is not included in the APPEA conference registration fee.*

\$430 for members/government, \$490 for non-members, \$150 for full-time students

11:00am–7:00pm

### CONFERENCE REGISTRATION

Central Foyer, Perth Convention and Exhibition Centre

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

Registration:  
from 12:00pm

### PESA DEAL DAY

INDUSTRY EVENT

Seminar:  
1:00pm–5:00pm

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](http://www.pesa.com.au)

For enquiries about sponsorship, presenting acreage, attending or to receive information please contact:

Wendy Ronda, 2021 PESA Deal Day Administrator **t**+61 438 675 562 **e** [dealday@pesa.com.au](mailto:dealday@pesa.com.au)

6:00pm–9:00pm

### WELCOME RECEPTION

Perth Convention and Exhibition Centre

As the APPEA Conference celebrates 60 years, join us as we step back in time to the groovy 1960s!

The 'APPEA diner' will be rocking with the smooth sounds of the Beatles, Sonny & Cher and more.

A fun-filled setting to get a taste of the quality networking the next three days will deliver. Peace Out Man!



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



Includes food and beverage.



Smart casual attire.





## Tuesday 15 June 2021

|                 |  |   |   |
|-----------------|--|---|---|
| 7:30am–8:20am   | <b>Presenters' Networking Breakfast—Technical and Business Program</b>   | SPONSORED BY  |    |
|                 | Perth Convention and Exhibition Centre   BY INVITATION ONLY  |   |   |
|                 | APPEA invites our technical and business program presenters to attend the Presenters' Networking Breakfast to recognise their vital contribution to the conference program. Meet fellow chairs and presenters and take the opportunity to mix with your peers prior to three days of education, discussion and debate. RSVP is essential and non-transferable.   |   |   |
| 7:30am–5:00pm   | <b>Conference Registration</b>   |   |   |
|                 | Main Foyer, Perth Convention and Exhibition Centre   |   |   |
| 8:00am–6:00pm   | <b>APPEA 2021 Technical and Business Poster Presentations open</b>   | SPONSORED BY  |   |
|                 | Exhibition Hall, Perth Convention and Exhibition Centre  |   |   |
| 8:00am–6:00pm   | <b>APPEA 2021 Exhibition open</b>  | SPONSORED BY  |  |
|                 | Exhibition Hall, Perth Convention and Exhibition Centre  |   |   |
|                 | Visit the APPEA Exhibition Hall and be inspired as you meet the industry's leading explorers, producers, suppliers and educators as they showcase their brands and products. Grow your business relationships, collaborate, initiate deals and share ideas with representatives from over 120 innovators in the oil and gas industry. For the most up-to-date exhibitor listings visit <a href="http://www.appeaconference.com.au">www.appeaconference.com.au</a>  |   |   |
| 8:00am–6:00pm   | <b>KPMG Meeting Zone open</b>  | SPONSORED BY  |  |
|                 | Exhibition Hall, Perth Convention and Exhibition Centre  |   |   |
|                 | Welcome to the KPMG Meeting Zone. In partnership with APPEA, KPMG is proud to host this custom-built space within the Exhibition Hall where delegates can host their one-hour meetings on-site. The KPMG Meeting Zone contains two private meeting pods, each accommodating up to eight people. This complimentary service is available to book in advance or on-site. Visit <a href="http://www.appeaconference.com.au">www.appeaconference.com.au</a> for details.   |   |   |
| 8:30am–10:15am  | <b>PLENARY 1</b>   | SPONSORED BY  |   |
|                 | <b>Powering Australia's Recovery</b>   |  |  |
|                 | As Australasia's largest gathering of the oil and gas industry, the APPEA Oil and Gas Conference and Exhibition opens with a powerhouse line-up of Australia's pre-eminent leaders setting the vision for Australia's future. The session themes of economic recovery and a cleaner energy future will set the stage for three days of candid debate on how the oil and gas sector can play a central role in re-establishing Australia's strong economy and be a major source of investment, jobs and cleaner energy. |   |   |
|                 | To view full speaker line up, <b>click here</b> . Online program regularly updated.  |   |   |
| 10:15am–11:00am | <b>MORNING TEA IN THE EXHIBITION HALL</b>  | SPONSORSHIP AVAILABLE   |   |

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

PLENARY



Tuesday 15 June 2021

11:00am–12:30pm

PLENARY 2

SPONSORED BY



**Energy Leaders’ Panel: a candid conversation about our energy future**

*Australia’s oil and gas industry sits on the world stage, contributing strongly to the country’s economic wellbeing and position as a leading energy producer. But like many industries, the oil and gas sector faces an enormous challenge to recover from the economic impacts of the COVID-19 pandemic. The challenge ahead is how to return the industry to growth and best place the industry to help power Australia’s broader economic recovery.*

*This facilitated panel session brings together industry leaders from Australia and around the world for a frank conversation about the challenges and opportunities for oil and gas in a changing global energy landscape.*

*Questions that will be explored include: What is the global energy outlook? What is the future of oil and gas in a carbon-constrained world? What is its place beside renewables and hydrogen? Where are the growth opportunities and how does the industry attract capital investment in a competitive marketplace?*

*To view full speaker line up, [click here](#). Online program regularly updated.*

PLENARY

12:30pm–2:00pm

NETWORKING LUNCH IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

APPEA invites all delegates to enjoy a complimentary lunch in the Exhibition Halls. Take some time out of your day to explore over 120 exhibits that represent the entire supply chain of the oil and gas industry. Meet new industry connections and expand your business through local and international networking opportunities.

**Hot Topics discussion at the EY Collaboration Centre**

SPONSORED BY

During lunch, join APPEA representatives, EY specialists to discuss a number of industry ‘hot topics’. A great opportunity to connect with oil and gas professionals with similar interests. Stay tuned for the full list of hot topics on the conference website.



12:30pm–2:00pm

**APPEA Members’ Lunch**

SPONSORED BY

EXCLUSIVE MEMBER EVENT

Perth Convention and Exhibition Centre | BY INVITATION ONLY

This exclusive APPEA member event invites C-suite representatives from across the oil and gas industry supply chain to discuss the opportunities and challenges facing the industry at this members-only luncheon — by invitation only.



## Tuesday 15 June 2021

2:00pm–3:15pm

### TECHNICAL AND BUSINESS PROGRAM SESSIONS 1–4

#### TECHNICAL AND BUSINESS SESSIONS

Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.

#### CONCURRENT SESSION 1:

##### New insights into our Northwest Margins

SPONSORED BY



**Basin-to-prospect scale subsurface characterisation: new insights into the Exmouth Sub-basin, North West Shelf, Australia** | A Kholiq, C Jacob (Schlumberger Australia Pty Ltd), BJ Lim (WesternGeco), O Schenk (Schlumberger GmbH, Germany), A Mukherjee (Schlumberger India) and A Karvelas (Schlumberger Australia Pty Ltd)

**Geochemical evidence for a new Triassic petroleum system on the western margin of Australia**  
E Grosjean, D Edwards, N Rollet, C Boreham, D Nguyen and T Buckler (Geoscience Australia)

**Late Permian–Early Triassic depositional history in the southern Bonaparte Basin: new biostratigraphic insights into reservoir heterogeneity** | R Owens, A Kelman, K Khider, T Bernecker and B Bradshaw (Geoscience Australia)

**Permian source rocks of the onshore and nearshore Carnarvon Basin**  
C Thomas (Geological Survey of Western Australia)

#### CONCURRENT SESSION 2: New engineering ideas and application

SPONSORSHIP AVAILABLE

**Low-salinity carbonated water injection in Sandstone Reservoirs: interplay between oil recovery improvement, salinity and fines migration** | E Yazdani Sadati (Deakin University), A Siahvashi (The University of Western Australia) and S Hurter (University of Queensland)

**CO<sub>2</sub>-EOR+ in Australia: achieving low-emissions oil and unlocking residual oil resources**  
E Thenthorey (Geoscience Australia), I Taggart (GeoGem Consultants), A Kalinowski (Geoscience Australia) and J McKenna (GeoGem Consultants)

**Using digital twins and data analytics to make informed operational decisions—a centrifugal compressor case study** | A Jones and Ds Marshment (Worley Digital Ltd)

**How CFIHOS can help you recover from COVID** | P Townson (IOGP)

#### CONCURRENT SESSION 3:

##### Agile business solutions in a challenging market

SPONSORSHIP AVAILABLE

**Agile framework for capital projects**  
P Mahapatra (Chevron Australia Pty Ltd) and P Shahriari (Deloitte)

**A generational west coast gas shakeup looms** | S Kavonic (Credit Suisse Group AG)

**Disruption and damages: climate-related risks to the Australian oil and gas sector**  
S Downes\*, A Steel, E Favaro and M Wood\* (Deloitte)

**International standardisation driving global competitiveness and sustainability of the oil and gas and future energy industries** | M Keys (Atkins) and M Taylor (NERA)

#### CONCURRENT SESSION 4: APPEA Panel Series— Australia's Hydrogen Future—Turning Promise into Reality

SPONSORSHIP AVAILABLE

Join us for the first of three sessions that will deliver free flowing discussion and debate on a current, relevant topic that is crucial for our industry.

The evolving future of fuel is a high-profile topic in the public sphere, and conversation around hydrogen investment is no exception. The Australian oil and gas industry's world-class relationship with leading energy customers and expertise in the processing, storage, and transportation of cryogenic fluids can help ensure its place at the table. In this panel, we discuss the potential barriers faced by oil and gas producers regarding hydrogen, and how they can be addressed by government to maximise Australia's competitiveness in a potentially transformative export sector.

*See online program for final speaker line up in May.*



3:15pm–3:45pm

AFTERNOON TEA IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

Tuesday 15 June 2021

3:45pm–5:00pm

TECHNICAL AND BUSINESS PROGRAM SESSIONS 5–8

TECHNICAL AND BUSINESS SESSIONS

Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.

CONCURRENT SESSION 5:  
New Concepts for the North West Shelf

SPONSORED BY **ERCE**  
Independent Energy Experts

**Salt in the Vulcan sub-basin, NW Australia: observations from high-quality 3D seismic data and implications for palaeogeography** | S Molyneux (Molyneux Advisors Pty Ltd) and S Doyle (Multi-Client Resources (Australia) Pty Ltd)

**Integration of new interpretation, attribute analysis and inversion results for the Dampier Sub-basin, North West Shelf of Australia** | J Grahame (CGG Multi-Client and New Ventures) and J Yao (CGG Seismic Imaging)

**Controls on the preservation of Jurassic volcanism in the Northern Carnarvon Basin**  
M Curtis, S Holford, M Bunch (The University of Adelaide) and N Schofield (University of Aberdeen)

CONCURRENT SESSION 6: CO<sub>2</sub>

SPONSORED BY **HALLIBURTON**

**The CSIRO In-Situ Laboratory: a field site for de-risking underground gas storage**  
K Michael, L Ricard, L Stalker and A Hortle (CSIRO)

**Reducing the risk of CO<sub>2</sub> storage projects through cost effective reservoir characterisation: application of digital core analysis to a CO<sub>2</sub> injection reservoir** | M Bagheri (CO2CRC), M Knackstedt (ANU), T Dance (CSIRO) and M Raab (CO2CRC)

**Case study for CO<sub>2</sub> removal using Fluor Solvent for offshore natural gas treatment**  
N Kritzinger, R Ravikumar (Fluor Enterprises), S Singhal, K Singh, S J Choudhury (Fluor Daniel India) and D Viswanath (Fluor Australia)

**Storing CO<sub>2</sub> in buried volcanoes** | S Holford (The University of Adelaide), N Schofield (University of Aberdeen), M Bunch (University of Adelaide), A Bischoff (University of Canterbury) and E Swierczek (The University of Adelaide)



CONCURRENT SESSION 7:  
Safety and Health Performance

SPONSORSHIP AVAILABLE

**Keeping the workforce healthy and safe during COVID-19 at Woodside** | T Anderson (Woodside Energy Ltd)

**Two companies collaborating to make real safety improvements: Arrow Energy, Shell QGC and the Queensland coal seam gas industry** | M Zaunbrecher (Arrow Energy), T Johnston (ShellQGC) and R Wood (Arrow Energy)

**Resilient Leadership—the pathway beyond COVID** | S Taylor (Springfox)

**COVID-19 smashing the stigma in mental health: a strategic blueprint for change / support**  
A Feringa and N Wentzel (The Jonah Group)

CONCURRENT SESSION 8: APPEA Panel Series—All style and no substance? WA's onshore opportunity – what's holding us back?

SPONSORSHIP AVAILABLE

Join us for the second of three sessions that will deliver free flowing discussion and debate on a current, relevant topic that is crucial for our industry.

Exciting discoveries in the Perth Basin, and the potential of the Canning Basin, has seen increasing interest and activity in WA's onshore oil and gas sector in recent years. But the pathway to development and production remains painfully slow. This session will explore the barriers to investment and development, and what we need for the WA onshore sector to fulfil its potential. *See online program for final speaker line up in May.*



## Tuesday 15 June 2021

5:00pm–6:00pm

### HAPPY HOUR IN THE EXHIBITION HALL

Enjoy the opportunity to network and discuss current topics from the key presentations and discussions of the day.

SPONSORED BY



Complimentary to delegates and exhibitors.



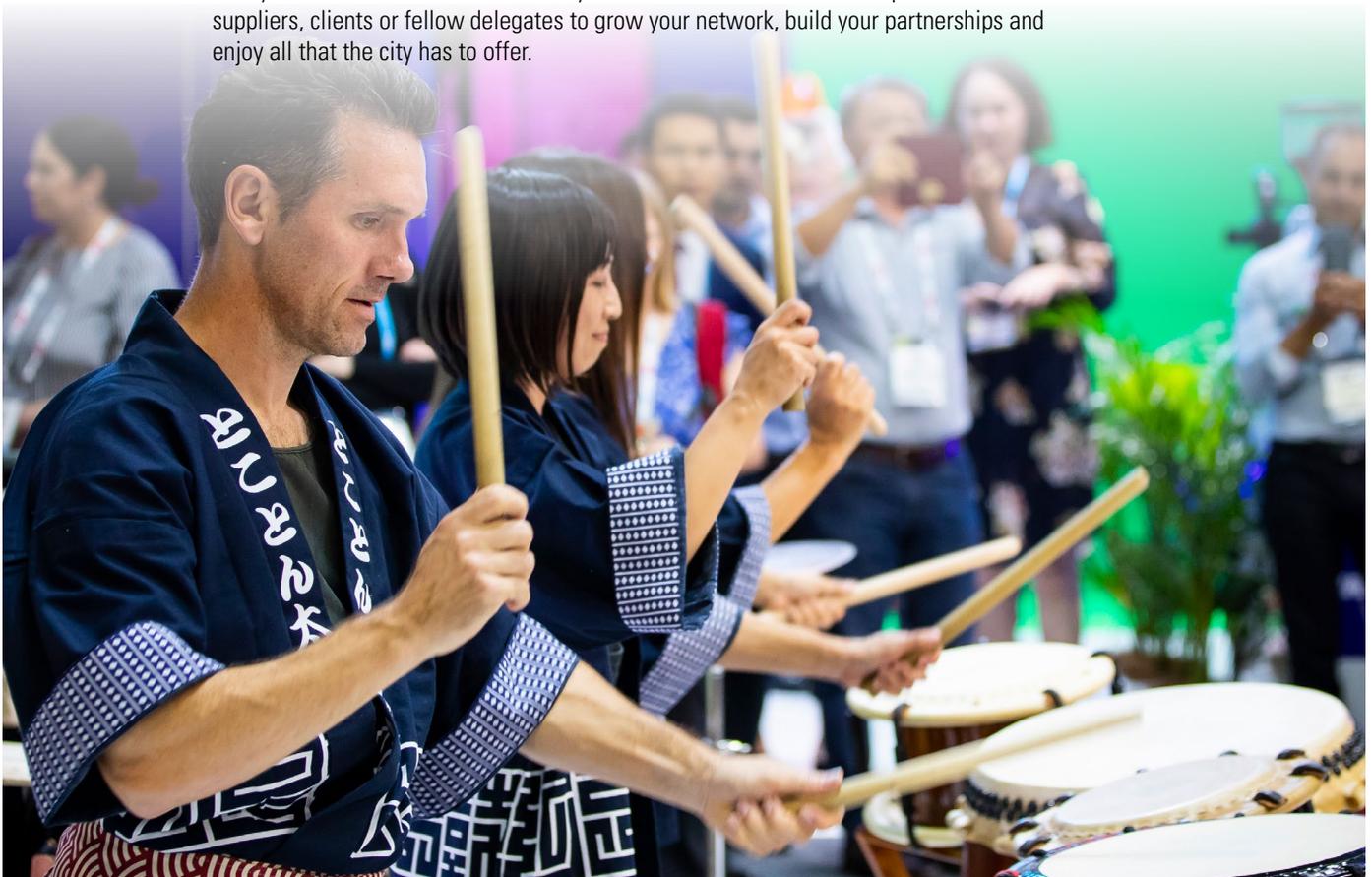
Includes drinks and light refreshments.



Business attire.

6:00pm onwards

**Evening free:** Perth is an innovative and vibrant city with a modern and free-spirited outlook and determination to do things their way. This free evening is an opportunity to host your clients at one of Perth's many sensational restaurants or accept invitations from suppliers, clients or fellow delegates to grow your network, build your partnerships and enjoy all that the city has to offer.



## APPEA 2021 APP COMING SOON!

- All the APPEA 2021 event information in your hand!
- Plan your personalised schedule with the most up-to-date program available.
- Check out the exhibitors and locate their booths.
- See all of the speakers.
- Vote and ask questions to presenters.
- Join the conversation on social media.
- Receive important updates.

SPONSORED BY Petrofac





## Wednesday 16 June 2021

7:30am–5:00pm **Conference Registration**  
Main Foyer, Perth Convention and Exhibition Centre

8:00am–6:00pm **APPEA 2021 Exhibition open**  
Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY 

8:00am–6:00pm **APPEA 2021 Technical and Business Poster Presentations open**  
Exhibition Hall, Perth Convention and Exhibition Centre

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8:00am–6:00pm **KPMG Meeting Zone open**  
Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY 

In partnership with KPMG, APPEA offers custom-built meeting spaces within the Exhibition Hall. The space provides private meeting rooms with seating for up to eight people. You can book your hour-long meeting in advance or onsite. Visit [www.appeaconference.com.au](http://www.appeaconference.com.au) for more details.

8:30am–10:30am

### PLENARY 3

SPONSORED BY

#### Is the oil and gas industry part of a net zero emission future?

Baker Hughes 

*Australia is on a pathway to decarbonise to meet our nation's emission reduction commitments under the Paris Agreement on climate change. The role that natural gas will, or will not, play in Australia's low-carbon future, has become a hotly contested debate. This plenary session takes this debate head-on, bringing together experts from both sides for an open conversation on the oil and gas industry's future in a net-zero emissions world. Can the industry survive and thrive? What is the role technology in reducing the sector's carbon footprint? How can the industry position itself to be part of the cleaner energy solution to Australia and the region?*

To view full speaker line up, [click here](#). Online program regularly updated.

10:30am–11:15am MORNING TEA IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

Wednesday 16 June 2021

11:15am–12:30pm

TECHNICAL AND BUSINESS PROGRAM SESSIONS 9–12

**TECHNICAL AND BUSINESS SESSIONS**

*Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.*

**CONCURRENT SESSION 9: Petroleum prospectivity of Northern Basins**

SPONSORSHIP AVAILABLE

**Structural interpretation of the Beetaloo Sub-basin, NT from non-seismic geophysical data**

J Markov (CSIRO), C Delle Piane (CSIRO Petroleum), E Swierczek, C Foss and M Faiz (CSIRO)

**The Neoproterozoic Gillen Formation, Amadeus Basin, Central Australia: an intra-salt petroleum system and viable exploration target?** | P Plummer (The University of Adelaide)

**The Bamaga Basin: a frontier play in a non-frontier location**

W Fischer (Gulf Energy Limited)

11:15am–12:30pm

**CONCURRENT SESSION 10: Acreage release**

SPONSORED BY



**2021 Offshore Petroleum Exploration Acreage Release**

M Illman (Department of Industry Science Energy and Resources)

**Geological overview of the 2021 Offshore Acreage Release Areas**

T Bernecker, R Owens, B Bradshaw, A Kelman and K Khider (Geoscience Australia)

**Distribution and Estimates of Australia's Identified Energy Commodity Resources**

B Bradshaw, M Orr and T Bernecker (Geoscience Australia)

**2021 Onshore Acreage Releases** | J Barnett (WA Department of Mines, Industry Regulation and Safety)

11:15am–12:30pm

**CONCURRENT SESSION 11: Our Business—Progress or Pivot?**

SPONSORSHIP AVAILABLE

**Top three LNG buyers to search for alternative LNG pricing structure after paying a total cost premium of \$56 billion for oil-indexed LNG contracts in 2019 and 2020: how will this affect Australia as the number one supplier to this market?** | S Knutsson (Rystad Energy)

**Tracking industry responsiveness to COVID-19—what has happened and what lies ahead**

J Mitchell and D O'Keefe (NOPSEMA)

**Development of the clean hydrogen industry in Australia: a regulatory and fiscal roadmap for the fuel of the future**

J O'Reilly, C Pope and A Lomas (PricewaterhouseCoopers)

**A new landscape for petroleum technical data**

J Kozman (Woodside Energy)

11.15am–12.40pm

**CONCURRENT SESSION 12: Social licence and community engagement**

SPONSORSHIP AVAILABLE

**Social licence: what is really going on out there?** | S Browne (APPEA) and J Scales (JWS Research)

**How the upstream oil and gas industry can leverage interdisciplinary research to more effectively engage with Indigenous communities** | D Lockhart and J Xu (Australian Disputes Centre)

**Keys to successful negotiation of indigenous land use and building consent for the development of natural resources, The Great Sandy Desert Project, a case study** | J van Hattum (Theia Energy Pty Ltd) and M Bin-Rasheed (Karajarri Traditional Lands Association) and G Castledine (Castledine Gregory)

**A new engagement approach for regulatory submissions (Panel Discussion)**

J Arnott (KPMG Australia), B Wilson (Australian Gas Infrastructure Group) and D Kurz (Infinite Energy)

12:30pm–2:00pm

NETWORKING LUNCH IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

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

## Wednesday 16 June 2021

12:30pm–2:00pm

### Hot Topics discussion at the EY Collaboration Centre

During lunch, join APPEA representatives, EY specialists to discuss a number of industry ‘hot topics’. A great opportunity to connect with oil and gas professionals with similar interests. Stay tuned for the full list of hot topics on the conference website.

SPONSORED BY



1:00pm–2:00pm

### MEET THE AUTHORS Poster Presentation Area, Exhibition Hall

SPONSORED BY



Visit the gallery of technical and business posters in the Exhibition Hall and take this opportunity to meet the Authors of the posters and discuss their work. See page 20–21 for the complete list of Poster Presentations.

2:00pm–3:15pm

## TECHNICAL AND BUSINESS PROGRAM SESSIONS 13–16

### TECHNICAL AND BUSINESS SESSIONS

Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.

### CONCURRENT 13: PESA—2020 in review

SPONSORED BY PESA

**Australian exploration review—2020** | I Cockerill (Beach Energy)

**Production and development review—2020** | J Keith (IHS Markit)

**Business environment review—2020** | S Molyneux (Molyneux Advisors)

### CONCURRENT 14: Process safety

SPONSORED BY DuPont Sustainable

**Process safety challenges of CO<sub>2</sub> sequestration** | C Smith (Atkins)

**Effective engagement on process safety fundamentals in challenging times**

O Cary (ExxonMobil Upstream) and N Netscher (Esso Australia)

**Preparing for subsea source control response and optimising timelines—IOGP Reports 592 and 594**

A Best (NOPSEMA) and P Brennan (OWE Ltd)

**Deferred maintenance — a major industry challenge?** | K Seccombe and D O’Keeffe (NOPSEMA)



### CONCURRENT 15: Decommissioning’s Environment

SPONSORSHIP AVAILABLE

**Environmental considerations for decommissioning** | K Hughes, FI Jamal Hisne and LY Su (Genesis)

**Transforming Australia’s approach to decommissioning research** | A Taylor (NERA) and PI Macreadie (Deakin University)

**Importance of Australia’s offshore oil and gas infrastructure for fish** | D McLean (Australian Institute of Marine Science), T Bond (University of Western Australia), E Harvey (Curtin University), D Ierodiaconou (Deakin University), K Cure (Australian Institute of Marine Science), M Taylor (University of Western Australia), S Whitmarsh, T Sih and P Macreadie (Deakin University)

**Assessing the impacts of scale residues from offshore oil and gas decommissioning on marine organisms**

T Cresswell, S Brown, H Wong (ANSTO) and S Apte (CSIRO Land and Water Lucas Heights)

### CONCURRENT SESSION 16:

### APPEA Panel Series—Our Investment Environment

SPONSORSHIP AVAILABLE

**Join us for one of three sessions that will deliver free flowing discussion and debate on a current, relevant topic that is crucial for our industry.** 2021 is seeing increasing competition for scarce global capital for new and developing projects. At the same time, Australia is looking to the oil and gas industry to drive its economic recovery and repeat the massive investment of the past decade. What are the investment barriers industry would like to see government address to enable us to compete for that capital? *See online program for final speaker line up in May.*

3:15pm–3:45pm

AFTERNOON TEA IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE



Wednesday 16 June 2021

3:45pm–5:00pm

TECHNICAL AND BUSINESS PROGRAM SESSIONS 17–20

**TECHNICAL AND BUSINESS SESSIONS**

*Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.*

**CONCURRENT SESSION 17:**

**New insights into the southern margins**

SPONSORSHIP AVAILABLE

**New insights into the deep-water Otway Basin** | O Schenk (Schlumberger GmbH Germany), E Grosjean, D Edwards, C Boreham (Geoscience Australia), T West (Schlumberger UK) and A Karvelas\* (Schlumberger)

**Structural containment in the Port Campbell Embayment and on the Mussel Platform, Otway Basin, Victoria**  
L Langhi, E Swierczek, J Strand (CSIRO), L Goldie Divko, D Whittam (Victoria Department of Jobs Precincts and Regions) and A Ross (CSIRO)

**Resolving lithostratigraphic complexities in the Crayfish Group, Otway Basin using chemostratigraphy**  
B Bendall (SA Department for Mining and Energy), A Forbes (Chemostrat Australia Pty) and T Hill (Consultant)

**Controls on gravity-driven normal fault geometry and growth in stacked deltaic settings: a case study from the Ceduna Sub-basin** | M Jimenez, S Holford, R King and M Bunch (The University of Adelaide)

**CONCURRENT SESSION 18:**

**Novel engineering applications**

SPONSORSHIP AVAILABLE

**Landing with confidence and accuracy in a big bore subsea gas producer — an integrated approach for setting a critical casing point in the Jansz-lo field development** | L Thomas, M Waugh\*, M Thornberry (Chevron Australia Pty Ltd), H Wang (Chevron Energy Technology Co), H Wang, F Hafezi, J Dolan and A Ali (Schlumberger Australia Pty Ltd)

**Characterising the application of horizontal wells and indirect hydraulic fracturing for improved coal seam gas drainage** | R Johnson (University of Queensland), S Cheong and A Farley (Strike Energy Ltd)

**A complementary method of assessing clay stabilisers used in hydraulic fracturing applications**  
J Dupont\*, J Dawson and R Mitchell (Innospec Ltd)

**Gas sampling for mercury analysis**  
J Lawer (Woodside Energy)



**CONCURRENT SESSION 19:  
Environment and community**

SPONSORSHIP AVAILABLE

**Potential impacts of shale and tight gas developments on unconfined aquifers — a chemical screening framework**  
R Doble, D Mallants, Y Beiraghdar Aghbelagh, D Gonzalez, P Davies, L Peeters and R Crosbie (CSIRO Land and Water)

**Understanding pygmy blue whale movement and distribution off north western Australia** | M Thums, L Ferreira (Australian Institute of Marine Science), C Jenner, M Jenner (Centre for Whale Research (WA) Inc.), D Harris (University of St Andrews), A Davenport (Centre for Whale Research (WA) Inc.), V Andrews-Goff, M Double (Australian Antarctic Division), L Moller, C Attard (Flinders University College of Science and Engineering), K Bilgmann (Macquarie University), P Thomson (The University of Western Australia) and R McCauley (Curtin University)

**Solar driven produced water treatment for beneficial uses** | R Gunness (Bridgeport Energy), H Wee, R Lee (JWA Oilfield Supplies), LN Nguyen and LD Nghiem (University of Technology Sydney)

**Panel discussion**

Wednesday 16 June 2021

3:45pm–5:00pm

CONCURRENT SESSIONS 17–20 CONTINUED

**TECHNICAL AND BUSINESS SESSIONS**

*Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.*

**CONCURRENT SESSION 20: The business of decommissioning**

SPONSORSHIP AVAILABLE

**Decommissioning and rehabilitation: funding models** | K Wee (Deloitte)

**Co-creation of knowledge— an effective mechanism for managing decommissioning stakeholders**  
A Tung (Curtin University)

**Australia offshore well inventory characterisation and decommissioning cost saving opportunities through cap rock restoration and rig-less/riserless techniques** | C Murphy and S Higgins\* (Curtin University)

**Embracing Australia's decommissioning liability** | A Taylor (NERA) and S Stokes (Advisian)

**Panel discussion**

5:00pm–6:00pm

HAPPY HOUR IN THE EXHIBITION HALL

SPONSORED BY

An excellent networking opportunity for all delegates, exhibitors and invited guests. Meet with colleagues and share ideas over a refreshing drink before you prepare for the conference dinner.



Complimentary to delegates and exhibitors.

Includes drinks and light refreshments.

Business attire.

7:00pm for  
7:30pm–midnight

CONFERENCE DINNER

SPONSORED BY

APPEA 2021 Conference Dinner Perth Convention and Exhibition Centre



*Let's have a ball!*

APPEA invites you to a special evening at the APPEA Conference Dinner.

Recognising the 60th year of the conference, the evening will include all the glamour of the APPEA dinner and the announcement of the prestigious APPEA Excellence Awards. It's a chance to relax and party as award winning entertainment will light up the stage as we dance the night away.

Previous conference dinners have sold out, so book your individual ticket or table now to avoid missing out on one of the most popular events on the industry calendar.

\$195 per person (not included in the registration fee).

Lounge suit / elegant attire.



Thursday 17 June 2021

7:30am–4:00pm **Conference Registration**  
Main Foyer, Perth Convention and Exhibition Centre

8:00am–3:00pm **APPEA 2021 Exhibition open**  
Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY 

8:00am–3:00pm **APPEA 2021 Technical and Business Poster Presentations open**  
Exhibition Hall, Perth Convention and Exhibition Centre

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8:00am–3:00pm **KPMG Meeting Zone open**  
Exhibition Hall, Perth Convention and Exhibition Centre

SPONSORED BY



In partnership with KPMG, APPEA offers custom-built meeting spaces within the Exhibition Hall. The space provides private meeting rooms and seating for up to eight people. You can book your hour-long meeting in advance or onsite. Visit [www.appeaconference.com.au](http://www.appeaconference.com.au) for more details.

8:30am–10:15am

## PLENARY 4:

SPONSORED BY

### Opposition Address



#### Shareholder activism and stakeholder engagement

*Shareholder activism is growing and evolving with the number of campaigns increasing around the globe and across different industries. While there has been a shift toward more positive engagement between companies, stakeholders and activists in recent years, generally speaking shareholder activism remains confrontational in nature. Moreover, the focus on a net zero emissions future will be a major driver for stakeholder engagement and shareholder activism in the years ahead.*

*Topics explored in this session include:*

- *What are the recent developments in shareholder activism?*
- *What are activist shareholders and investors looking for from the oil and gas industry?*
- *What strategies should companies employ to engage activist shareholders positively?*
- *What can the oil and gas sector learn from other industries in managing shareholder activism?*

*To view full speaker line up, **click here**. Online program regularly updated.*

PLENARY

10:15am–10:45am MORNING TEA IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

## Thursday 17 June 2021

10:45am–1:00pm

### TECHNICAL AND BUSINESS PROGRAM SESSIONS 21–23

#### TECHNICAL AND BUSINESS SESSIONS

Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.

#### CONCURRENT SESSION 21A:

##### Emerging ideas in WA Basins—Canning Basin

SPONSORSHIP AVAILABLE

###### **Barnicarndy Graben, southern Canning Basin: stratigraphy defined by the Barnicarndy 1 stratigraphic well**

L Normore\*, P Haines (Geological Survey of Western Australia), L Carr, P Henson (Geoscience Australia), Y Zhan, M Wingate (Geological Survey of Western Australia), Y Zhen (Geological Survey of New South Wales), Y Lu, S Martin, D Kelsey, H Allen and I Fielding (Geological Survey of Western Australia)

###### **Petrophysical and geochemical interpretations of well logs from the pre-Carboniferous succession in**

**Barnicarndy 1, Canning Basin, Western Australia** | L Wang\*, D Edwards, A Bailey, L Carr, C Boreham, E Grosjean (Geoscience Australia), L Normore (Geological Survey of Western Australia), J Anderson, A Jarrett, S MacFarlane, C Southby, C Carson, K Khinder, P Henson (Geoscience Australia), P Haines (Geological Survey of Western Australia) and M Walker (Walker Petrophysics Pty Ltd)

###### **Petrophysical analysis of the unconventional reservoirs of the Lennard Shelf and Fitzroy Trough in Canning**

**Basin, Australia** | V Shelokov (Black Mountain Oil and Gas), R Hull\* (Geophysical Imaging), P Richmond (Black Mountain Oil and Gas) and T Rudge (Thunderstone Energy)

###### Panel discussion

15 - MINUTE BREAK

#### CONCURRENT SESSION 21B: Emerging ideas in WA Basins—Perth Basin

SPONSORSHIP AVAILABLE

###### **The West Erregulla gas discovery. Implications for an extensive Permian play fairway across the onshore**

**Northern Perth Basin, Western Australia** | A Cortis, A Farley, D Lewis, S Cheong, A Chia and W Zhang (Strike Energy Ltd)

###### **Sediment provenance analysis of the Permian from the Perth Basin using an automated Raman heavy mineral**

**technique** | S Munday\*, A Forbes, B Fairey, J Hennig-Breitfeld, T Breitfeld (Chemostrat Ltd), T Hicks (Mitsui E&P Australia), J Sheehan and B Kocijan (Beach Energy)

###### **Implications of thin laminations on pore structure of marine shale reservoir: Goldwyer Formation case study from**

**Western Australia** | M Iqbal, R Rezaee, G Smith and PP Mandal (Curtin University)

###### Panel discussion

#### CONCURRENT SESSION 22A: Technological advancements

SPONSORED BY **ABB**

###### **Innovation and instrumentation in CO<sub>2</sub> monitoring wells for reservoir surveillance and advanced diagnostics**

P Barraclough, M Bagheri (CO2CRC), C Jenkins (CSIRO), R Pevzner (Curtin University), S Hann, K Wuttke (InGauge Energy) and S Nikolov and M Mondanos (Silixa Ltd)

###### **Improved modelling of pressure dependent permeability behaviour in coal based on a new workflow of petrophysics, hydraulic fracturing and reservoir simulation**

HM Ramanandraibe EP, AS Ribeiro, R Johnson and Z You\* (The University of Queensland)

###### **Novel collaborative P&A campaign using inflatable packers and bismuth alloy plugs**

A Bensaied (IPI), G Farag (Chevron Australia) and Jeff Fulks\* (BiSN Oil Tools)

###### Panel discussion

15 - MINUTE BREAK

#### CONCURRENT SESSION 22B: Technological advancements

SPONSORED BY **ABB**

###### **Process automation: embracing change and novel ways of working**

N Suparamaniam-Kallerdahl and J Baker (Lloyd's Register EMEA)

###### **Using a satellite-aircraft hybrid system based on the same sensor to monitor oil and gas facilities for methane emissions**

HJ Deglint, WD Shaw and J-F Gauthier\* (GHGSat)

###### **Detection of methane fugitive emissions using drones**

G Gargiulo (Terra Sana Consultants)

###### Panel discussion



## Thursday 17 June 2021

10:45am–1:00pm

### TECHNICAL AND BUSINESS SESSIONS

Each session, time permitting, will include a Panel Discussion at the conclusion of the speakers presentations.

## CONCURRENT SESSIONS 21–23 CONTINUED

### CONCURRENT SESSION 23A: Energy transition

SPONSORED BY **BHP**

#### Real time emissions monitoring: the foundation of a blockchain enabled carbon economy

P Nielsen, S Johnston and P Black (Wood)

**Net zero 2020** | I MacDougall, O Glade-Wright, B Gove (Cooper Energy Ltd) and T Berkinshaw (Biodiverse Carbon)

#### Finding net zero: how green LNG can improve the competitiveness of Australian LNG

D Toleman and L Cullen (Wood Mackenzie Ltd)

#### Panel discussion

15 - MINUTE BREAK

### CONCURRENT SESSION 23B: Energy transition

SPONSORED BY **BHP**

**Green pivot: can Australia master the hydrogen trade?** | P Sharma, B Gallagher and J Sultoon (Wood Mackenzie Ltd)

**Moomba carbon capture and storage: material emissions reduction at Moomba plant** | N Harley (Santos)

#### A policy roadmap to net zero: the role of gas in decarbonising the NEM

S Byrom (The University of Queensland), G Bongers (Gamma Energy Technology) and A Boston (Red Vector)

#### Panel discussion

### CONCURRENT SESSION 24: Geological and bioregional assessments

SPONSORED BY  


#### Geological and Bioregional Assessments: a program to encourage industry development and improve regulatory efficiency while maintaining the highest possible environmental standards

A Stacey, M Bouma\*, E Turner and MI Baskys (Australia Department of Agriculture Water and the Environment)

**Geological and Bioregional Assessments: assessing the prospectivity for tight, shale and deep-coal resources in the Cooper Basin, Beetaloo Sub-basin and Isa Superbasin** | L Hall, M Orr, M Lech, S Lewis, A Bailey\*, R Owens, B Bradshaw and G Bernardel (Geoscience Australia)

**Geological and Bioregional Assessments: assessing direct and indirect potential impacts using causal networks** | L Peeters, K Holland and C Huddleston-Holmes\* (CSIRO)

**Geological and Bioregional Assessments: a tale of two basins** | C Huddleston-Holmes \*, K Holland and L Peeters (CSIRO)

1:00pm–2:30pm

## NETWORKING LUNCH IN THE EXHIBITION HALL

SPONSORSHIP AVAILABLE

### Hot Topics discussion at the EY Collaboration Centre

SPONSORED BY

During lunch, join APPEA representatives, EY specialists to discuss a number of industry 'hot topics'. A great opportunity to connect with oil and gas professionals with similar interests. Stay tuned for the full list of hot topics on the conference website.



## Thursday 17 June 2021

1:00pm–2:30pm

**EXCLUSIVE  
AUTHORS  
EVENT**

### Authors' Lunch | By invitation only

SPONSORED BY **ExxonMobil**

This is an opportunity for APPEA to thank all the authors who delivered high-calibre papers and presentations as part of the technical and business program. These presentations play a significant role in the continuing success of the conference and are compiled to become the prestigious APPEA Journal. This lunch is a fantastic opportunity to mix and mingle with your fellow authors and listen to a guest speaker before the final conference session for 2021.

2:30pm–4:15pm

**PLENARY**

### PLENARY 5: RESOURCES MINISTERS' PANEL

SPONSORED BY

#### Rebuilding Australia's states and territories for a stronger future **Baker Hughes**

*Australia's state and territory governments play a critical role in regulating the responsible development of our nation's oil and gas resources on behalf of the Australian people. This closing panel session brings together state and territory government ministers responsible for resources and energy to provide their perspectives on the challenge of facilitating resources development within effective regulatory frameworks and the opportunity for governments and industry to work together to rebuild stronger state and territory economies. Wrapped up by APPEA's Chief Executive to deliver his closing address to conference delegates.*

To view full speaker line up, [click here](#). Online program regularly updated.

4:15pm–6:15pm

### FAREWELL COCKTAILS

SPONSORED BY

Perth Convention and Exhibition Centre

Join your fellow delegates at this relaxed, outdoor event. Enjoy a drink, some great music and celebrate another successful APPEA Conference and Exhibition. This is your final opportunity to network and digest the information shared at this jam-packed conference.

**Lidlar Group**



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



Includes drinks and light refreshments.



Smart casual attire.



## Technical and Business Poster Presentations

SPONSORED BY



The APPEA Conference technical and business program incorporates an extensive poster series comprising of over 26 outstanding papers. The extended abstracts or full papers of these posters will be included in *The APPEA Journal* (conference proceedings) provided online 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 Tuesday and Wednesday, and 8:00am to 3:00pm Thursday. Delegates are encouraged to attend the special ‘Meet the Authors Session’ in the poster area during lunch on Wednesday 16 June, 1:00pm–2:00pm to meet the authors and discuss their work.

### GEOSCIENCE

**Exploring for the Future geomechanics: breaking down barriers to exploration**

A Bailey, A Jarrett, L Wang (Geoscience Australia), D Dewhurst, L Esteban, S Kager, L Monmusson (CSIRO), L Carr and P Henderson (Geoscience Australia)

**Hydrogen in Australian natural gas: occurrences, sources and resources** | C Boreham, D Edwards (Geoscience Australia), K Czado (Division of Mining, Exploration and Geoscience), N Rollet, L Wang, S Van Der Wielen, D Champion, R Blewett, A Feitz and P Henson (Geoscience Australia)

**Gas sources and concentrations in Surat Basin shallow aquifers: a field sampling method comparison and isotopic study** | J Pearce, S Golding, P Hayes, K Baublys, H Hofmann (The University of Queensland), S Herbert (Arrow Energy Pty Ltd) and G Gargiulo (Terra Sana Consultants)

**Varying least principal stress along lithofacies in gas shale reservoirs: effects of frictional strength and viscoelastic stress relaxation** | PP Mandal, R Rezaee (Curtin University), M Sari and J Sarout (CSIRO)

**A framework for inclusion of faults in coal seam gas risk assessments**  
T Murray (Southern Highlands Structural Geology Pty Ltd) and W Power (Power Geoscience Pty Ltd)

**Velocity anomalies and out-of-plane reflections in Barnicarndy 1, Canning Basin**  
Y Zhan (Geological Survey of Western Australia)

**Sample preparation for rock wettability studies via atomic force microscopy**  
N Mitiurev (Edith Cowan University), M Verrall (CSIRO), A Ivanova (Skolkovo Institute of Science and Technology), A Keshavarz and S Iglauer (Edith Cowan University)

**Measurement of gas contents in shale reservoirs — impact of gas density and implications for gas resource estimates** | J Ekundayo, R Rezaee (Curtin University) and C Fan (Southwest Petroleum University, China)

**Estimating porosity and permeability in the Springbok Sandstone, Surat Basin (Queensland), using new wireline log-based workflow** | K Sobczak, H G Holl and A Garnett (The University of Queensland)



## ENGINEERING

**Establishing principles in digital transformation through comparative analysis of frameworks and development strategies in platform/coding development for consulting** | N Lim, L Lim and D Tanuwibawa (Genesis)

**Application of battery energy storage systems in industrial facilities** | H Sharafizad (Clough Ltd)

**Impact of hydrogen solubility on depleted gas field's caprock for underground hydrogen storage purpose**  
M Bahar (DMIRS) and R Rezaee (Curtin University)

**Minimising the risk of hydrogen embrittlement (HE) and hydrogen assisted stress cracking (HASC) within steel lifting products used in the marine environment** | B Burgess (William Hackett Lifting Products)

## BUSINESS

**Australia-Asia power link — environmental and cost assessment** | J Gonnat and J Hunt (Xodus)

**Are bonds the answer to managing environmental liabilities?**  
S Cawrse, D Pepicelli, N Panagopoulos, P Sapa and D Broadbridge (South Australia Department for Energy and Mining)

**Mobile autonomous methane monitoring stations for emission measurement**  
M Mainson, C Ong, M Myers and A Spiers (CSIRO)

**The Australian CCS roadmap — a reflection on lessons learned and considerations for future success**  
J Paz (Xodus Group)

**Blockchains — achieving consensus in oil and gas business processes** | S Waller (EY)



# WA Wildlife

## Our Vision

An Australia Where Wild Lives Matter.

## Our Purpose

Inspire Communities To Connect With And Nurture The Natural Environment.

## We Aspire

To be Western Australia's leading native wildlife conservation, treatment and rehabilitation facility incorporating experiences in education, training and eco-tourism.

## About WA Wildlife

WA Wildlife is a trading name for Native ARC Incorporated. Native ARC Inc is a registered charity predominantly funded through donations, fundraising, corporate sponsorships and operates on an A-Class reserve in Bibra Lake, Perth. We offer a range of services including wildlife rescue, veterinary treatment, wildlife rehabilitation, environmental education, fauna handling training and volunteer opportunities.

## WA Wildlife Hospital

Native ARC Inc runs the WA Wildlife Hospital - the first of its kind in Western Australia. The Hospital is unique as it provides medical treatment and rehabilitation services to sick, injured and orphaned wildlife. Approximately 4000 animals receive life saving intervention each year and come from both metropolitan and country areas. The WA Wildlife Hospital is also a practicum site for veterinary science and veterinary nurse students from various universities and TAFEs.

## WA Wildlife Rescue

As a result of funding from the Society for the Prevention of Cruelty to Animals International, Native ARC Inc operates a wildlife rescue service that is on the road 365 days each year. This is the only paid rescue service in WA and operates mainly in the Perth metropolitan area. However, rescues further afield are undertaken. We also receive wildlife from regional areas with corporations sending wildlife to us for treatment and rehabilitation. The rescue service is capable of rescuing sick and injured fauna including birds, reptiles, marsupials and large fauna including emus, kangaroos and seabirds.

## WA Wildlife Education and Training

Native ARC Inc provides educational and training to not only primary and secondary schools but to corporations. Our fauna handling courses are suitable for adults who work in a variety of professions including Environmental Services, Parks and Gardens, Animal Welfare, Logistics and Mining and Safety. Courses range from 3 hours to 2 days and can be delivered at our site in Bibra Lake or at the company's place of operation.

## WA Wildlife Corporate Programs

Team-based volunteer opportunities are available for corporate groups at the WA Wildlife Hospital. Education programs including wildlife rescue, handling and basic first aid is also available to companies at their workplace.

## Contact

For more information on our programs, contact us on 9417 7105 between 8.30am - 7.00pm, 7 days a week.

Friday 18 June 2021

2021 AUSTRALIAN OILFIELD GOLF TOURNAMENT

**Organised by the AOGT 2021 Committee**

The Australian Oilfield Golf Tournament (AOGT) has been a staple feature that follows the APPEA annual conference and is now in its 55th year. The tournament is brought to you by a committee of dedicated volunteers from the oil and gas industry and in 2021 aims to raise funds for a nominated charity.

For further information please visit [www.appeaconference.com.au](http://www.appeaconference.com.au)



GPinfo Petroleum Permits Map and Book

SUPPLIED BY



GPinfo — into its fourth decade

The 2021 edition of the GPinfo Petroleum Permits of Australasia Map will be released on the opening morning of the APPEA 2021 Conference and Exhibition. Pre-order your copy of this essential and iconic industry publication with your conference registration (online at [www.appeaconference.com.au](http://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.

A0 Permits Map: paper copy \$165, laminated copy \$200

Free delivery post-conference for all map pre-orders.

*The APPEA Journal*

YOUR OFFICIAL RECORD OF APPEA 2021

The APPEA Conference continues to distribute world-class information to the industry through *The APPEA Journal*, the official record of this flagship event.

*The APPEA Journal* (2021) will be published online three weeks after the conference. Delegates who receive the proceedings as part of their package, will be issued a password to access the highly sought after conference material. It will contain peer-reviewed full papers and extended abstracts of oral and poster presentations, all plenary presentations<sup>1</sup>, PESA industry reviews<sup>1</sup> and a selection of material from the social functions.

Abstracts from all available presentations will be accessible to view pre-conference via the APPEA 2021 Mobile App.

APPEA is proud to continue to deliver a conference proceedings that is internationally acclaimed and distributed world-wide.

For more information on accessing the 1961–2020 journal articles online, please contact:  
Daniela Dwyer, e [danielad@appea.com.au](mailto:danielad@appea.com.au)

<sup>1</sup> Where consent has been given.

## Technical program awards



At the close 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 Journal*
- Best Poster Presentation at the APPEA Conference

## APPEA 2019 Conference award winners

APPEA congratulates the 2019 award winners.



**Best oral presentation**  
**Renewed energy in Asia’s upstream sector**

Gero Farruggio  
(Rystad Energy)



**Best poster presentation**  
**From initial advice statement to export — a 10 year retrospective of Queensland’s liquefied natural gas industry**

Peter Downey, Jon Thomas and Mark Stone  
(Department of Natural Resources, Mines and Energy)



**Best extended abstract published in *The APPEA Journal* (2019)**

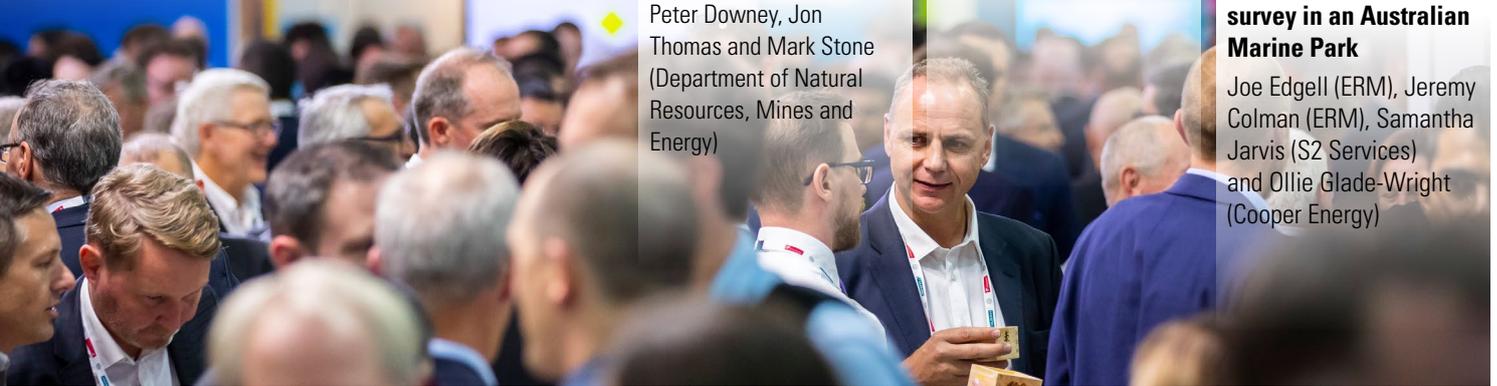
**Gas markets — a bridge too far?**

Graeme Bethune and Rick Wilkinson (EnergyQuest)



**Alan Prince Award — Best peer-reviewed paper published in *The APPEA Journal* (2019)**  
**Demonstrating an acceptable level of impact: an assessment of noise impacts to fishes from a seismic survey in an Australian Marine Park**

Joe Edgell (ERM), Jeremy Colman (ERM), Samantha Jarvis (S2 Services) and Ollie Glade-Wright (Cooper Energy)



## APPEA MENTOR PROGRAM:

### Cultivating our new oil and gas professionals

The APPEA 2021 Mentor Program aims to encourage, enable and empower undergraduate tertiary students by linking them with successful peer role models.

APPEA has a strong commitment to the next generation of oil and gas professionals, and BHP’s own graduates will act as mentors to the selected students for their time at APPEA 2021 — sharing their experiences and advice on entering the industry.

A number of tertiary undergraduate students will be selected from local Western Australian Universities via a written application form and will experience all that the APPEA Conference has to offer.

For more details visit [www.appeaconference.com.au](http://www.appeaconference.com.au)



SPONSORED BY  
**BHP**

The APPEA Conference and Exhibition is where you can take your brand to the world of oil and gas. Attendees register knowing that this event is run *by the industry, for the industry.*



Take your brand to the leaders in oil and gas

EXHIBITION

OVER 90% SOLD!

SPONSORED BY

**wood.**

As an exhibitor at APPEA, Australia's most prestigious energy industry conference and exhibition, you'll have the best seat in the house to get in front of and meet with the leading explorers, producers and suppliers. Exhibiting at APPEA 2021 provides an incomparable opportunity to showcase your brand and offerings to industry groups and meet with the real key decision-makers. Due to an overwhelming response, only limited floor space remains to participate in this highly coveted business development opportunity. Don't miss out.

Visit [www.appeaconference.com.au](http://www.appeaconference.com.au) to view the confirmed exhibitors.

**To discuss and book an exhibition space, please contact: Alison or Mia from The Event Gap on +61 428 615 171 / +61 2 8076 9565, .**

SPONSORSHIP

Open exclusively to registered attendees and invited guests, sponsors of the APPEA 2021 Conference and Exhibition can be secure in the knowledge that only the highest calibre of oil and gas professionals attend this prestigious event. This allows business connections to flow easily and results in meaningful and productive networking opportunities. The plenary, technical and business programs deliver presentations and discussions from world leaders in their field, attracting the discerning energy professional.

If you only invest in one sponsorship this year make sure it's the APPEA 2021 Conference and Exhibition—run *by the industry, for the industry.* APPEA 2021 will provide your brand the opportunity to get in front of key decision-makers and leaders in the oil and gas industry, delivering you a strong return on investment. There are a limited number of sponsorship packages available and tailored to suit your company's strategic marketing objectives.

Visit [www.appeaconference.com.au](http://www.appeaconference.com.au) to view and the confirmed sponsors.

**To discuss and book available sponsorship packages, please contact: Jason Avery, Event Manager, APPEA on +61 417 976 083 or [javery@appea.com.au](mailto:javery@appea.com.au)**



## General information

### Venue

Perth Convention and Exhibition Centre,  
21 Mounts Bay Rd, Perth WA 6000

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

**t** +61 8 9338 0300

### 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, The Event Gap by phone on +61 428 615 171 / +61 2 8076 9565 or email [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au).

### Registration

The registration and enquiry desk will be located in Main Foyer of the Perth Convention and Exhibition Centre and will be open:

|                   |                |
|-------------------|----------------|
| Monday 14 June    | 11:00am–7:00pm |
| Tuesday 15 June   | 7:30am–5:00pm  |
| Wednesday 16 June | 7:30am–5:00pm  |
| Thursday 17 June  | 7:30am–3:00pm  |

## Accommodation

APPEA has block-booked accommodation at a number of hotels and apartments. These include:

- Adina Apartment Hotel Perth\*
- Nesuto Mounts Bay Apartment Hotel\*
- Parmelia Hilton
- Ibis Perth
- Citadines

**HOTEL BLOCKS  
NOW CLOSED**

To take advantage of the special rates negotiated for APPEA 2021 delegates, please complete the accommodation section of the online registration form at [www.appeaconference.com.au](http://www.appeaconference.com.au). All bookings will be accepted on a first-come first-served basis until hotel blocks are full.

If you require further information regarding room inclusions on a specific hotel, please contact the conference administrators, The Event Gap, directly on +61 428 615 171 / +61 2 8076 9565, or email [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au) who will endeavour 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](http://www.appeaconference.com.au)

\* *As of February 2021, these hotels will accept guests who are self quarantining in line with COVID restrictions.*

APPEA 2021 CONFERENCE AND EXHIBITION PROUDLY SUPPORTED BY



PERTH CONVENTION AND  
EXHIBITION CENTRE

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To register, please visit [appeaconference.com.au](http://appeaconference.com.au)

| Categories and inclusions                                      | Full delegate* | Day delegate* | Student <sup>4*</sup> | Exhibition booth staff* |
|--|----------------|---------------|-----------------------|-------------------------|
| Conference opening session                                     | ✓              | ✓             | ✓                     |                         |
| Plenary session access   | ✓              | ✓             | ✓                     |                         |
| Concurrent session access                                      | ✓              | ✓             | ✓                     |                         |
| Exhibition access  | ✓              | ✓             | ✓                     | ✓                       |
| Welcome reception <sup>1</sup>                                 | ✓              |               |                       |                         |
| Farewell cocktails <sup>1</sup>                                | ✓              |               |                       | ✓                       |
| Refreshment breaks and networking lunches                      | ✓              | ✓             | ✓                     | ✓                       |
| Happy hours  | ✓              | ✓             | ✓                     | ✓                       |
| Conference Dinner <sup>2</sup>                                 |                |               |                       |                         |
| Satchel  | ✓              | ✓             | ✓                     |                         |
| <i>The APPEA Journal</i> (conference proceedings) <sup>3</sup> | ✓              | ✓             | ✓                     |                         |

Notes

<sup>1</sup> Tickets/additional tickets for the Welcome reception and the Farewell cocktails can be purchased for \$95 and \$50 respectively during the registration process.

<sup>2</sup> Tickets for the Conference Dinner can be purchased prior to the event as part of the registration process for \$195 each.

<sup>3</sup> *The APPEA Journal* (conference proceedings) will be published online and available three weeks post conference. Recipients will be issued with a unique access code.

<sup>4</sup> Student registrations will close COB 21 April 2021. Evidence of full-time study in 2021 including the name of the institution and student number must be provided with the registration form. For the full criteria details to secure this special rate, please see [www.appeaconference.com.au](http://www.appeaconference.com.au) under 'Attend'.

\* Onsite registrations. Virtual registration details are on page 28.

| Pricing (onsite delegates)             |                                 | Early bird to 30 April | Standard 1 May–9 June | Late 10–17 June |
|--|---------------------------------|------------------------|-----------------------|-----------------|
| <b>Full delegate</b>                   | APPEA Member/Government         | \$1,695                | \$1,845               | \$1,995         |
|  | Non member <sup>6</sup>         | \$2,095                | \$2,295               | \$2,495         |
|  | Honorary Life Member            | \$0                    | \$0                   | \$0             |
| <b>Day delegate (price per day)</b>    | APPEA Member/Government         | \$850                  | \$995                 | \$1,095         |
|  | Non member <sup>6</sup>         | \$1,095                | \$1,250               | \$1,295         |
| <b>Exhibition booth staff</b>          | APPEA Member/Government         | \$330                  | \$375                 | \$425           |
|  | Non member                      | \$380                  | \$425                 | \$490           |
| <b>Other types of registration</b>     | Student <sup>4</sup>            | \$150                  | \$150                 | \$150           |
|  | Media <sup>5</sup>              | \$0                    | \$0                   | \$0             |
| <b>Social and networking functions</b> | Welcome Reception <sup>1</sup>  | \$95                   | \$95                  | \$95            |
|  | Conference Dinner <sup>2</sup>  | \$195                  | \$195                 | \$195           |
|  | Farewell Cocktails <sup>1</sup> | \$50                   | \$50                  | \$50            |

<sup>5</sup> Accredited media must be pre-approved by the APPEA Secretariat before registering. Please refer to the media section at [www.appeaconference.com.au](http://www.appeaconference.com.au)

<sup>6</sup> APPEA has negotiated with specific industry bodies and associations for special rates for their members. For more details please refer to the Attend/Registration section on [www.appeaconference.com.au](http://www.appeaconference.com.au)

FOR VIRTUAL REGISTRATIONS, SEE PAGE 28

# APPEA2021 ONSITE PARTICIPANT TERMS AND CONDITIONS

## Onsite registrations

These Terms and Conditions govern all registrations for the APPEA 2021 Conference and Exhibition (the Conference) to be held at the Perth Convention and Exhibition Centre (the Venue). Before proceeding with registration, the prospective attendee or delegate must carefully read these Terms and Conditions, and if unsure as to their meaning and application, seek independent legal advice. If a person is registering on behalf of a delegate/s, it is the responsibility of that person to notify the delegate of the Terms and Conditions of registering, for which they will be agreeing to on the behalf of the delegate. Responsibility also includes providing full details of the delegate/s registration details as confirmed.

By completing the registration, and paying the registration fees, the prospective attendee or delegate agrees with these Terms and Conditions.

## Registration

All registration fees must be paid in full prior to the Conference or by 5.00pm AEST Friday 11 June 2021 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 5.00pm AEST Sunday 6 June 2021, a full refund (less \$95.00 to cover administration costs) will be made.

No refunds will be issued for cancellations received after 5.00pm AEST Sunday 6 June 2021. In addition, full cancellation fees will apply for social functions cancelled after 5.00pm AEST Sunday 6 June 2021. Should you be unable to attend the Conference, you may transfer your registration to another delegate or attendee at no extra charge on the condition that the conference administrators The Event Gap are notified in writing by 5.00pm AEST Wednesday 9 June 2021.

You may elect to convert your in-person registration to a virtual registration by giving notice in writing to the conference administrator. If notice is given of this election at any time up to 5.00pm AEST Sunday 6 June 2021, you will receive a refund of the difference in the registration fees paid compared to the online registration fees (less \$95.00 to cover administration costs). If notice is given after this date, no refund will be issued.

## COVID-19

In the event that you are unable to attend the Conference as a direct result of a COVID-19 requirement or restriction, and [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au) is advised in writing, your in-person registration will be converted to a virtual registration by the Conference Administrator. If the COVID-19 requirement or restriction occurs after 5.00pm AEST Sunday 6 June 2021, you will not be entitled to any refund, however no administration fee will be charged.

All changes and cancellations must be made in writing (email to [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au)). No changes or cancellations will be accepted verbally.

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

## Super early bird registration

Super early bird registrations close at midnight AEST on Sunday 31 January 2021. If full payment has not been received by 5.00pm AEST Friday 5 February 2021 for a super early bird registration, APPEA will charge the early bird registration fee for that delegate.

## Early bird registration

Early bird registrations close at midnight AEST on Friday 23 April 2021. If full payment has not been received by 5.00pm AEST Friday 30 April 2021 for an early bird registration, APPEA will charge the standard registration fee for that delegate payment.

All registrations must be accompanied by an appropriate form of payment. All credit card payments will be accepted except for Diners. Any surcharge applied by the relevant card provider 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.

## Change of Registration Category

Requests to change the registration category must be made in writing to [APPEA@theeventgap.com.au](mailto:APPEA@theeventgap.com.au), no changes will be accepted verbally. If at any point the registration category is changed from a virtual registration category to an in-person registration category or an in-person registration category to a virtual registration category, the attendee or delegate automatically accepts the relevant Terms and Conditions for that registration category.

## Payment Method

Credit card and EFT payments are the accepted forms of payment until 12.00am AEST Sunday 6 June 2021. From Monday 7 June 2021, credit card payments will be the only accepted method

of payment, unless written approval is granted by APPEA. Any surcharge applied by the relevant card provider will apply to all credit card transactions. All figures are quoted in Australian Dollars and include GST.

## Behaviour

APPEA reserves the right to refuse admission to any participant.

You must not engage in offensive or inappropriate behaviour at the Conference, including but not limited to by wearing or otherwise displaying any commercial, political, religious, or offensive signage or logos.

Without prejudice to any other rights which APPEA may have, if you contravene any of these Terms or Conditions, you may:

- be refused entry to, or be removed from, the venue
- have your ticket confiscated and/or cancelled without refund or recompense
- be disqualified from purchasing tickets for or entering into other events organised or affiliated with APPEA.

APPEA reserves the right to evict any person from the Venue and the Conference if they are in contravention of any of these Terms and Conditions.

## Security

For the safety of all attendees and delegates, it is a condition of entry that you submit to random searches (e.g. pat down of persons, metal detection of person or physical inspections of bags and containers) on entry and at any other time during the Conference.

If you refuse a random search on entry, APPEA reserves the right to:

- 1 Refuse you entry, without a refund; and
- 2 Within the confines of the Conference, you may be removed from the Venue without a refund.

You may be asked to check-in your bags into the cloakrooms provided onsite at the discretion of the security personnel.

## Event speakers

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.

## Disclaimer

At the time of registration, APPEA has provided the most recent information available and the delegate and/or speakers accept that the content and/or the delivery of the Conference can change beyond the control of APPEA. APPEA will not take any responsibility for any errors, omissions and changes to the program or content of the Conference. APPEA reserves the right to make changes as it deems necessary without penalty and in such situations no refunds, part refunds or alternative offers shall be made.

APPEA reserves the right to update the Disclaimer and Terms and Conditions without notice to you.

APPEA cannot control all content published or disseminated at the Conference. You may find other delegates' or participants' communications, graphics, audio files or other information inappropriate, offensive, harmful, inaccurate, dishonest, or misleading and/or deceptive, however you alone are solely responsible for your interaction with other delegates and agree to act responsibly and exercise caution, common sense, and safety while in attendance at the Conference.

APPEA, its directors, employees, servants, agents, and affiliates shall not be liable for any losses, damages, liabilities, claims or expenses whatsoever arising out of or referable to the Conference.

## Indemnity

Should, for any reason outside the control of APPEA, the venue or speakers change, or the Conference be cancelled, APPEA will endeavour to reschedule. In this instance, you will indemnify and hold APPEA harmless from and against any and all costs, damages and expenses. APPEA does not accept responsibility for, and the delegate indemnifies APPEA against, any costs, charges or fines incurred by the delegate in the process of attending The Conference. Agreement to these Terms and Conditions indicates acceptance of this indemnity.

## Force Majeure

Except as required by law, APPEA will not be liable for any loss, damage, injury, costs, or expenses in relation to:

- a acts or omissions of an independent contractor or other party outside of APPEA's control who supplies products or services in connection with the Conference
- b events which are unforeseeable or not preventable by reasonable diligence on APPEA's part including but not limited to industrial action, blackouts, fire, war, terrorism, civil or military unrest, explosions, earthquakes, floods, labour disputes, acts of God or any other event or cause beyond APPEA's control
- c Unknown or unforeseen defects in any venue, vehicle, device, or material used in connection with the Conference.

## Photography and videography

By registering for this event, and paying the registration fees, you irrevocably authorise and grant APPEA (and any of its authorised representatives, agents, employees, contractors) the right to:

- record you (picture and voice) on photographs, film and/or video tape, for audio and visual production (the Recording)
- edit the Recording into a photo gallery / short film / webinar (which may include other recordings and material)
- use your name and likeness, voice or other information concerning you
- use, screen or place online (including on social media), the Recording for promotion and any other purposes worldwide and in perpetuity.

You hereby release APPEA from any infringement or violation of personal and/or property rights of any sort whatsoever based upon the use of the Recording. You acknowledge that APPEA owns and shall own all rights, title, and interest (including copyright), in the Recording. You further acknowledge that APPEA is not obliged to use the Recording.

You warrant that you have full power to enter into this Release and that the terms of this Release do not in any way conflict with any existing commitment on your part. You understand that you will receive no monies, consideration, or compensation for this Recording. While under no obligation to do so, APPEA will consider any reasonable request not to use or to stop using a particular Recording. Such requests should be made in writing to [danielad@appea.com.au](mailto:danielad@appea.com.au). Should you not wish to grant APPEA these rights, please contact APPEA at [danielad@appea.com.au](mailto:danielad@appea.com.au) at least two (2) weeks prior to the Conference.

Without express prior written consent from APPEA, you are not permitted to make any audio-visual recordings of the Conference ("Unauthorised Recordings"). Should you make any Unauthorised Recordings, you agree that upon making those recordings, all copyright in the Unauthorised Recordings shall vest in and otherwise be assigned to APPEA. You further warrant that you shall not use the Unauthorised Recordings in any manner whatsoever.

## 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](http://www.appea.com.au/privacy-policy).

## Delegate list

Your contact details (including your name, position title, company and email address) will be used to compile a delegate list that will be used by: APPEA event organisers, third party event organisers; venues and accommodation provider for the purposes of room bookings (if applicable); sponsors; and parties associated with related events, before and after the Conference. Should you not wish for your details to be used for these purposes, please email [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au) at least two (2) weeks prior to the Conference.

If you have any questions or concerns about your privacy in relation to the Conference, please contact: [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au).

## 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 online 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 Conference. 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.

## Accommodation cancellations and amendments

No cancellation fee for accommodation will be charged if you advise an amendment or cancellation in writing to the conference administrator, the Event Gap, to [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au) before 5:00pm AEST Friday 30 April 2021. No refunds will be provided for cancellations or reduced room nights after Saturday 1 May 2021.

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 [appea@theeventgap.com.au](mailto:appea@theeventgap.com.au).

After Monday 3 May 2021, accommodation should be booked or amended directly through the hotels. Please note, after Monday 3 May 2021, 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.

To register online @ [appeaconference.com.au](http://appeaconference.com.au)

| Categories and inclusions   | Full delegate | Day delegate | Student | Exhibition booth staff |
|---|---------------|--------------|---------|------------------------|
| Live access to Opening session  | ✓*            | ✓*           | ✓*      |                        |
| Live access to Plenary sessions   | ✓             | ✓#           | ✓       |                        |
| Access to Technical and business program <sup>1</sup>   | ✓             | ✓#           | ✓       |                        |
| Access to on demand recordings of the conference presentations for 3 (three) months post-event <sup>2</sup> | ✓             | ✓#           | ✓       |                        |
| Access to the APPEA Exhibition via the online portal  | ✓             | ✓#           | ✓       | ✓                      |
| Networking opportunities via online meeting hub <sup>3</sup>  | ✓             | ✓#           | ✓       | ✓                      |
| Access to the 2021 APPEA Journal <sup>4</sup>   | ✓             | ✓#           | ✓       |                        |

The virtual registration packages do not offer the opportunity for virtual access to social functions. To access social functions, please register as an onsite delegate.

## Virtual packages, inclusions and rates<sup>5</sup>

|                                      |  | Early bird<br>to 30 April | Standard<br>1 May–9 June | Late<br>10–17 June |
|--------------------------------------|--|---------------------------|--------------------------|--------------------|
| <b>Full delegate</b>                 | APPEA Member/Government                          | \$1,185                   | \$1,295                  | \$1,395            |
|                                      | Non member                                       | \$1,470                   | \$1,605                  | \$1,745            |
| <b>Day delegate</b>                  | APPEA Member/Government                          | \$595                     | \$695                    | \$765              |
|                                      | Non member                                       | \$765                     | \$875                    | \$910              |
| <b>Two-day delegate</b>              | APPEA Member/Government                          | \$1,155                   | \$1,360                  | \$1,500            |
|                                      | Non member                                       | \$1,500                   | \$1,715                  | \$1,780            |
| <b>Exhibition booth staff member</b> | One included as part of exhibition stand booking |                           |                          |                    |
| <b>Student</b>                       |  | \$150                     | \$150                    | \$150              |
| <b>Media</b>                         |  | \$0                       | \$0                      | \$0                |

## Notes

- \* If registered as a Tuesday Day Delegate.
- # For the day registered.
- 1 Access will be available 48 hours following the live presentation of the respective session.
- 2 Subject to approval from respective authors and presenters.
- 3 The online meeting hub will include live chat, live video calls and the opportunity to schedule a meeting at a preferred time with other delegates and exhibitors.
- 4 The APPEA Journal (conference proceedings) will be published online and available three weeks post conference. Recipients will be issued with a unique access code.
- 5 All rates are GST inclusive and in Australian Dollars.

## Virtual Event Registrations

These Terms and Conditions govern all virtual registrations categories for the APPEA 2021 Conference and Exhibition (the Conference and Virtual Event) to be held at the Perth Convention and Exhibition Centre (the Venue) and streamed virtually via the online platform (Virtual Event).

Before proceeding with registration, the prospective attendee or delegate must carefully read these Terms and Conditions, and if unsure as to their meaning and application, seek independent legal advice. If a person is registering on behalf of a delegate/s, it is the responsibility of that person to notify the delegate of the Terms and Conditions of registering, for which they will be agreeing to on the behalf of the delegate.

Responsibility also includes providing full details of the delegate/s registration details as confirmed.

By completing the registration, and paying the registration fees, the prospective attendee or delegate agrees to these Terms and Conditions.

## Registration

All registration fees must be paid in full prior to the Conference to guarantee and confirm registration. Once payment has been received, an email confirmation and tax 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 5.00pm AEST Sunday 6 June 2021, a full refund (less \$95.00 to cover administration costs) will be made.

No refunds will be issued for cancellations received after 5.00pm AEST Sunday 6 June 2021.

Should you be unable to attend the Virtual Event, you may transfer your registration to another delegate or attendee at no additional charge on the condition that the conference administrators, The Event Gap are notified in writing by 5.00pm AEST Wednesday 9 June 2021.

If notice is given after this date, no refund will be issued and no name change will be eligible, without express written permission from APPEA as the organiser.

## Change of Registration Category

Requests to change the registration category must be made in writing to [APPEA@theeventgap.com.au](mailto:APPEA@theeventgap.com.au), no changes will be accepted verbally. If at any point the registration category is changed from a virtual registration category to an in-person registration category or an in-person registration category to a virtual registration category, the attendee or delegate automatically accepts the relevant Terms and Conditions for that registration category.

## Early Bird Virtual Registration

Early bird virtual registrations close at midnight AEST on Friday 30 April 2021. If full payment has not been received by 5.00pm AEST Friday 7 May 2021 for an early bird virtual registration, APPEA will charge the standard virtual registration fee for that delegate payment. All registrations must be accompanied by an appropriate form of payment/ commitment to pay. Accepted credit card payments are Visa, Mastercard and Amex. Any surcharge applied by the relevant card provider 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 Virtual Event unless payment is received in full.

## Payment Method

Credit card and EFT payments are the accepted forms of payment until 12.00am AEST Sunday 6 June 2021. From Monday 7 June 2021, credit card payments will be the only accepted method of payment, unless written approval is granted by APPEA. Any surcharge applied by the relevant card provider will apply to all credit card transactions. All figures are quoted in Australian Dollars and include GST.

## Access

Sharing of access codes and passwords to the virtual site for the event is strictly forbidden. Each registrant will receive individual access codes, strictly for their use only.

If it is suspected that sharing of codes has taken place, APPEA reserves the right to cancel the registrants' access to the virtual material, their registration and any recordings offered as part of the virtual package.

## Behaviour

APPEA reserves the right to refuse admission to any participant. You must not engage in offensive or inappropriate behaviour during the Virtual Event, including but not limited to displaying any commercial, political, religious, or offensive signage. Without prejudice to any other rights which APPEA may have, if you contravene any of these Terms or Conditions, you may:

- be refused entry to the Virtual Event platform
  - have your Virtual Event registration confiscated and/or cancelled without refund or recompense
  - be disqualified from purchasing tickets for or entering into other Virtual Events organised or affiliated with APPEA.
- APPEA reserves the right to revoke any person's attendance to the Virtual Event if they are in contravention of any of these Terms and Conditions or are believed to have plans to disrupt the event through unlawful or malicious behaviour towards speakers, exhibitors, staff or other delegates and attendees of the event.

## Event Speakers

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 Virtual 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.

## Disclaimer

At the time of registration, APPEA has provided the most recent information available and the delegate and/or speakers accept that the content and/or the delivery of the Virtual Event or Conference can change beyond the control of APPEA. APPEA will not take any responsibility for any errors, omissions and changes to the program or content of the Virtual Event or Conference. APPEA reserves the right to make changes as it deems necessary without penalty and in such situations, no refunds, part refunds or alternative offers shall be made. APPEA reserves the right to update the Disclaimer and Terms and Conditions without notice to you. APPEA cannot control all content published or disseminated at the Virtual Event or Conference. You may find other delegates' or participants' communications, graphics, audio files or other information inappropriate, offensive, harmful, inaccurate, dishonest, or misleading and/or deceptive, however you alone are solely responsible for your interaction with other delegates and agree to act responsibly and exercise caution, common sense, and safety while in attendance at the Virtual Event and Conference.

APPEA, its directors, employees, servants, agents, and affiliates shall not be liable for any losses, damages, liabilities, claims or expenses whatsoever arising out of or referable to the Virtual Event or Conference.

## Indemnity

Should, for any reason outside the control of APPEA, the venue or speakers change, or the Conference or Virtual Event be postponed, APPEA will endeavour to reschedule. In this instance, you will indemnify and hold APPEA harmless from and against any and all costs, damages and expenses. APPEA does not accept responsibility for, and the delegate indemnifies APPEA against, any costs, charges or fines incurred by the delegate in the process of attending the Virtual Event.

APPEA and the Event Organiser will not be liable for any damages if you are unable to connect to the virtual platform due to poor internet connections, time changes in the program or any other unforeseen circumstances. APPEA and the Event Organiser will not refund any monies paid. Agreement to these Terms and Conditions indicates acceptance of this indemnity.

## Force Majeure

Except as required by law, APPEA will not be liable for any loss, damage, injury, costs, or expenses in relation to:

- acts or omissions of an independent contractor or other party outside of APPEA's control who supplies products or services in connection with the Conference
- Events and Virtual Events which are unforeseeable or not preventable by reasonable diligence on APPEA's part including but not limited to industrial action, blackouts, fire, war, terrorism, civil or military unrest, explosions, earthquakes, floods, labour disputes, acts of God or any other Virtual Event or cause beyond APPEA's control
- Unknown or unforeseen defects in any venue, vehicle, device, or material used in connection with the Virtual Event.

If APPEA is prevented from carrying out its obligations as it pertains to the Virtual Event you registered for as a result of any cause beyond its control, or such Virtual Event cannot be Virtually conducted because of a software or issue with the hosting platform or due to acts of God, strikes, labour disputes, government requisitions, restrictions or war or apparent act of war, terrorism, disaster, civil disorder, epidemic or pandemic, curtailment or restriction on transportation facilities, or any other comparable calamity, casualty or condition (collectively a "Force Majeure") APPEA shall have the right to immediately postpone the affected Virtual Event without liability and shall be relieved of its obligations to Registrant at that immediate time. If the affected Virtual Event is terminated due to a Force Majeure occurrence before the first day of the Virtual Event, APPEA will reschedule the affected Virtual Event and your registration fee will be applied to the rescheduled Conference time.

## Photography and Videography

By registering for this Virtual Event, and paying the registration fees, you understand that without express prior written consent from APPEA, you are not permitted to make any audio-visual recordings of the Conference ('Unauthorised Recordings') using any mechanism or material at hand. This includes but is not limited to recording speeches and powerpoint slides/presentations. Photography or filming / recording of powerpoint slides is strictly prohibited. Should you make any Unauthorised Recordings, you agree that upon making those recordings, all copyright in the Unauthorised Recordings shall vest in and otherwise be assigned to APPEA. You further warrant that you shall not use the Unauthorised Recordings in any manner whatsoever.

## 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](http://www.appea.com.au/privacy-policy).

## Delegate List

Your contact details (including your name, position title, company and email address) will be used to compile a delegate list that will be used by: APPEA Event and Virtual Event organisers, third party Event and Virtual Event organisers; the two principal sponsors; and relevant parties associated with related events and Virtual Events, before and after the Virtual Event and Conference.

# APPEA 2021 SPONSORS





GLOBAL ENERGY

# AUSTRALIA'S LEADING NATURAL GAS PRODUCER

The world needs affordable and clean energy. Natural gas can help drive the world's energy transformation and create opportunities and prosperity in Australia and overseas.

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FUTURE

