



Host Organisation



Co-Host Organisations



23 March - 1 April 2021
Virtual

Progressive Collaboration and Innovative Solutions:

Shaping the Future of Energy

**CONFERENCE
HIGHLIGHTS**

Sponsoring Societies



MESSAGE FROM THE COMMITTEE LEADERSHIP

We are pleased to invite your organisation to participate in the 13th International Petroleum Technology Conference (IPTC) to be held virtually from 23 March – 1 April 2021, which is hosted by PETRONAS and co-hosted by Mubadala Petroleum and Schlumberger.

IPTC is a collaborative effort among the American Association of Petroleum Geologists (AAPG), the European Association of Geoscientists and Engineers (EAGE), the Society of Exploration Geophysicists (SEG), and the Society of Petroleum Engineers (SPE), rotating between Asia Pacific and the Middle East. The synergies amongst these four leading professional societies provide the most comprehensive opportunity to form an outstanding multi-disciplinary technical programme.

Under the theme **“Progressive Collaboration and Innovative Solutions: Shaping the Future of Energy”**, the 13th IPTC will address how improved partnership models, enhanced business strategies and new technologies are being utilised to future-proof the industry as it navigates the volatility, unpredictability, complexity and ambiguity and addresses the challenges of a lower carbon world.

The conference will include high level discourse by industry thought leaders and subject matter experts through the event’s IPTC Insights sessions, executive plenary session, five panel sessions, and detailed technical presentations on a range of industry subjects. More than 400 technical papers representing 85 organisations and 36 countries will be presented during 44 technical sessions and ePosters.

A technical exhibition will also showcase the latest advancements, innovations, achievements in upstream exploration and production, as well as recent digital initiatives related to the petroleum industry.

We hope that you will take this unique opportunity to participate and engage with others who are committed towards ensuring the future success of the energy industry, and to learn about the opportunities in the region and globally.

We thank you in advance and look forward to your support and to welcoming you to the virtual IPTC 2021.

Sincerely,



Adif Zulkifli
IPTC 2021
Executive Committee Co-Chair
Executive Vice President & CEO,
Upstream
PETRONAS



Stefano Raciti
IPTC 2021
Executive Committee Co-Chair
President & Country Manager,
Malaysia
Mubadala Petroleum



Mohsin Al Hadhrami
IPTC 2021
Executive Committee Co-Chair
President, East Asia
Schlumberger



Chen Kah Seong
IPTC 2021
Conference Programme Committee
Co-Chair
Vice President, Upstream,
Centre of Excellence
PETRONAS



Jalal Abu Bakar
IPTC 2021
Conference Programme Committee
Co-Chair
Vice President, Commercial,
Malaysia
Mubadala Petroleum



Zahris Sham Abu Musa
IPTC 2021
Conference Programme Committee
Co-Chair
Global Account Director - PETRONAS
Schlumberger

About IPTC

Founded in 2005, the International Petroleum Technology Conference (IPTC) is the flagship multidisciplinary technical event in the Eastern Hemisphere. The scope of the conference programme and associated industry activities address the technology and relevant industry issues that challenge industry specialists and management around the world.

IPTC is sponsored by four industry organisations and societies, the American Association of Petroleum Geologists (AAPG); the European Association of Geoscientists and Engineers (EAGE); the Society of Exploration Geophysicists (SEG); and the Society of Petroleum Engineers (SPE).

IPTC is focused on the dissemination of new and current technology, best practices and multi-disciplinary activities designed to emphasise the importance of the value chain and maximising asset value. The knowledge, capabilities and strengths of the participating countries and the sponsoring societies global membership, over the spectrum of multi-disciplinary technologies, are central to the success of the conference the corresponding exhibition.

What is the IPTC 2021 Virtual Event?

The look and feel of the virtual environment will provide attendees with a comprehensive event experience. As with the physical event, a virtual event will include conference programme components and presentations from industry experts and technical authors. The conference will host online keynotes, dialogues, panels and technical sessions by leading executives and industry professionals. The interactive exhibition hall and lounge areas will also be available for attendees to network through live-chat features with exhibitors and fellow participants. Being delivered online means attendees, speakers, and exhibitors can join IPTC from anywhere in the world.

Highlights





IPTC Virtual at a Glance

IPTC Insights

Hear industry thought leaders share their perspectives on how improved partnership models, enhanced business strategies and new technologies are being utilised to future-proof the industry as it navigates the volatility, unpredictability, complexity and ambiguity, while addressing the opportunities for a lower carbon world.



Executive Plenary and Panel Sessions

Engage in insightful dialogues on pressing industry issues with business leaders and industry experts.



Technical Sessions

Join industry professionals to exchange technical knowledge, best practices and case studies.



Interactive Exhibition

Interact with exhibitors at their virtual exhibition booths where you can access digital resources about their products and services and engage with their representatives through one-to-one video and text chats.



Form new connections, strengthen existing relationships, exchange ideas and develop partnerships virtually to support and drive the industry forward through these special features:

- Exclusive breakout discussions with industry leaders and technical experts
- Schedule private virtual meetings with exhibitors
- Connect with attendees through digital networking tools
- View technical ePoster presentations to gain further insight into the industry's latest technical advancements

IPTC Sponsoring Societies



The American Association of Petroleum Geologists (AAPG), founded in 1917, has been a pillar of the world-wide scientific community. The original purpose of AAPG, to foster scientific research, to advance the science of geology, to promote technology, and to inspire high professional conduct, still guides the Association today. Currently the world's largest professional geological society with approximately 40,000 members in 129 countries, AAPG provides publications, conferences and education opportunities to geoscientists and disseminates the most current geological information available to the general public. For more information, visit: www.aapg.org



SOCIETY OF EXPLORATION
— GEOPHYSICISTS —

The Society of Exploration Geophysicists (SEG) is a not-for-profit organisation committed to connecting the world of applied geophysics. With more than 20,000 members in 128 countries, SEG provides educational and technical resources to the global geosciences community through publications, books, events, forums, professional development courses, young professional programmes, and more. Founded in 1930, SEG fosters the expert and ethical practice of geophysics in the exploration and development of natural resources, characterisation of near surface, and mitigation of earth hazards.

For more information, visit: www.seg.org

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS

The European Association of Geoscientists & Engineers (EAGE) is a professional association of geoscientists and engineers. Founded in 1951, it is an organisation with a worldwide membership, providing a global network of commercial and academic professionals. The association is truly multi-disciplinary and international in form and pursuits. EAGE operates two divisions: the Oil & Gas Geoscience Division and the Near Surface Division. EAGE has around 19,000 members worldwide representing over 100 countries. All members of EAGE are professionally involved in (or studying) geophysics, petroleum exploration, geology, reservoir engineering, mining and civil engineering.

For more information, visit: www.eage.org



Society of Petroleum Engineers

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose more than 156,000 members in 154 countries are engaged in oil and gas exploration and production. SPE is a key resource for technical knowledge providing publications, events, training courses and online resources.

For more information, visit: www.spe.org

IPTC Board of Directors

IPTC Board of Directors

The IPTC Board of Directors was formed in 2010 to oversee the management of IPTC. The Board is made up of members elected from IPTC's four founding societies. Members of the Board are appointed to three-year terms.

Chairman



Mahmoud Abdulbaqi
European Association of
Geoscientists and Engineers

Vice Chairman



Adif Zulkifli
Executive Vice President & CEO, Upstream
PETRONAS
Society of Petroleum Engineers

Treasurer



David Blanchard
President
WTM Energy Inc.
American Association of
Petroleum Geologists

The full list of Board members can be found at: <http://2021.iptcnet.org/board-of-directors>



Executive Committee

The Executive Committee is comprised of senior executives from the worldwide energy industry. The committee's role is to encourage the commitment of participation in the event, as well as to provide guidance to the other event committees on the direction and focus of their programmes. The Executive Committee determines the key themes that will be addressed in the plenary and panel sessions of the conference, as well as identify industry thought leaders for these special sessions who will be invited to participate.

Honourable Advisor



Tengku Muhammad Taufik

President & Group CEO
PETRONAS

Co-Chair



Adif Zulkifli

Executive Vice President & CEO, Upstream
PETRONAS

Co-Chair



Stefano Raciti

President & Country Manager,
Malaysia
Mubadala Petroleum

Co-Chair



Mohsin Al Hadhrami

President, East Asia
Schlumberger

A full list of committee members can be found at: <http://2021.iptcnet.org/executive-committee>

Conference Programme Committee

The Conference Programme Committee is responsible for developing the themes and scope of the conference's technical programme, and thus is made up of technical experts from the energy industry.

Co-Chair



Chen Kah Seong

Vice President, Upstream,
Centre of Excellence
PETRONAS

Co-Chair



Jalal Abu Bakar

Vice President, Commercial,
Malaysia
Mubadala Petroleum

Co-Chair



Zahris Sham Abu Musa

Global Account Director - PETRONAS
Schlumberger

A full list of committee members can be accessed at: <http://2021.iptcnet.org/programme-committee>

Award Committee

The Award Committee's members are appointed by the IPTC Board of Directors. They are tasked with soliciting nominations, reviewing and selecting the annual IPTC "Excellence in Project Integration" Award. This committee reports directly to the IPTC Board of Directors.

Chair



David Blanchard

President
WTM Energy Inc.
American Association of
Petroleum Geologists

A full list of committee members can be found at: <http://2021.iptcnet.org/award-committee>

Conference Sponsors

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CO-HOST ORGANISATIONS



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Moving Pegaga Forward

Mubadala Petroleum is an Abu Dhabi-based international, upstream oil and gas exploration and production company, recognized globally as a responsible operator and valued partner. We are a wholly-owned subsidiary of Mubadala Investment Company, which is owned by the Government of Abu Dhabi. We are present in 10 countries, across the Middle East, North Africa, Russia and Southeast Asia.

Our journey in Malaysia began in 2010 as the operator of offshore Block SK320, which includes the Pegaga gas discovery. The Pegaga gas field development has set the foundation for our long term growth in Malaysia.

In April 2020, we safely completed Pegaga's first offshore transportation and installation of jacket, subsea pipeline and wellhead deck. The project's development drilling campaign was launched in June 2020 with first gas expected in 2021.

We are proud to be Co-Host of IPTC 2021. Visit our virtual booth from 23 March to 1 April.

To find out more visit
mubadalapetroleum.com



Conference Schedule

(as at 18 February 2021)






Time (UTC +8)	Track 1	Track 2	Track 3	Track 4
DAY 1: TUESDAY, 23 MARCH				
1300-1400 hours	Opening & Award Presentation			
1300-1800 hours	Exhibition Live			
1400-1430 hours	Break			
1445-1515 hours	IPTC Insights 1: Nasir Al Naimi, Business Line Head, Upstream, Saudi Aramco			
1500-1515 hours	Break			
1515-1545 hours	IPTC Insights 2: Julie Sweet, CEO, Accenture			
1545-1600 hours	Break			
1600-1630 hours	IPTC Insights 3: Kerry Moreland, Vice President, Sub-Saharan Africa and Asia Pacific, Exploration and New Ventures, ExxonMobil Upstream Business Development Co.			
DAY 2: WEDNESDAY, 24 MARCH				
1300-1400 hours	Technical Session 1 Seismic Modelling/QI	Technical Session 2 Next Generation Technology for Oil and Gas	Technical Session 3 Advances in Reservoir Modelling	Technical Session 4 Development - Stimulation
1300-1800 hours	Exhibition Live			
1400-1430 hours	Sponsored Seminar 1: PETRONAS			
1430-1445 hours	Break			
1445-1545 hours	Executive Plenary: Managing Transformation to Shape the Future of Energy			
1545-1615 hours	IPTC Insights 4: Arnud Breuillac, President, Exploration & Production, Total			
1615-1700 hours	Break			
1700-1800 hours	Technical Session 5 Drilling and Completions: Case Studies	Technical Session 6 CCS (Carbon Capture and Storage)	Technical Session 7 EOR Success in a Challenging Economy	
DAY 3: THURSDAY, 25 MARCH				
1300-1400 hours	Technical Session 8 Petrophysics and Reservoir Engineering	Technical Session 9 Flow Assurance	Technical Session 10 Well Integrity and Well Abandonment	Technical Session 11 New Frontier in Facilities Management
1300-1800 hours	Exhibition Live			
1400-1430 hours	Sponsored Seminar 2: Mubadala Petroleum		Sponsored Seminar 3: Baker Hughes	
1430-1445 hours	Break			
1445-1515 hours	IPTC Insights 5: Datuk Mohd Anuar Taib, Chief Operations Officer, Sapura Energy Bhd.			
1515-1630 hours	Panel Session 1: Energy Transition: Balancing Accessibility, Sustainability and Affordability			
1630-1700 hours	Break			
1700-1800 hours	Technical Session 12 Geomechanics/Geohazards	Technical Session 13 Well Construction Automation	Technical Session 14 Technological Advancement towards High Efficiency and Optimisation	
DAY 4: FRIDAY, 26 MARCH				
1300-1400 hours	Technical Session 15 Production Operations	Technical Session 16 Drilling Completions Fluids and Cementing	Technical Session 17 Seismic Imaging	Technical Session 18 Future of Work and Digital Technology
1300-1800 hours	Exhibition Live			
1400-1430 hours	Sponsored Seminar 4: Schlumberger			
1430-1445 hours	Break			
1445-1515 hours	IPTC Insights 6: Emerging Leaders Roundtable			
1515-1615 hours	Panel Session 2: Human Capital Dynamics for the Future			
1615-1700 hours	Break			
1700-1800 hours	Technical Session 19 Integrated Reservoir Management Extending Asset Life	Technical Session 20 EOR/CO2/Sour Gas	Technical Session 21 Completion Engineering Design	



Conference Schedule

(as at 18 February 2021)

Time (UTC +8)	Track 1	Track 2	Track 3	Track 4
DAY 5: MONDAY, 29 MARCH				
1300-1400 hours	Technical Session 22 Innovative Technology Gas Delivery Solution	Technical Session 23 Petroleum Geology	Technical Session 24 Addressing Challenges in Unconventionals	Technical Session 25 Reimagining Sustainable Development
1300-1800 hours	Exhibition			
1400-1430 hours	Sponsored Seminar 5	Sponsored Seminar 6		
1430-1445 hours	Break			
1445-1515 hours	IPTC Insights 7: Paul Goodfellow, Executive Vice President - Deepwater, Shell			
1515-1615 hours	Ask the Expert 1	Ask the Expert 2	Ask the Expert 3	
1615-1630 hours	Break			
1630-1730 hours	Technical Session 26 Sand Management and Solutions	Technical Session 27 Well Construction Data Analytics	Technical Session 28 Enhancement in Facilities Performance	
DAY 6: TUESDAY, 30 MARCH				
1300-1400 hours	Technical Session 29 Data Driven Applications in Geoscience	Technical Session 30 Artificial Lift	Technical Session 31 Reservoir Modelling	
1300-1800 hours	Exhibition			
1400-1430 hours	Sponsored Seminar 7	Sponsored Seminar 8		
1430-1445 hours	Break			
1445-1515 hours	IPTC Insights 8: Dwi Soetjipto, Chairman, SKK Migas			
1515-1615 hours	Panel Session 3: Navigating the Future of Gas			
1615-1630 hours	Break			
1630-1730 hours	Technical Session 32 Production Optimisation and Asset Performance	Technical Session 33 Drilling Technology Advancement	Technical Session 34 Towards Cleaner and Sustainable Energy: GHG Management/ Low Contaminants	
DAY 7: WEDNESDAY, 31 MARCH				
1300-1400 hours	Technical Session 35 Integrated Geoscience Applications	Technical Session 36 Digital Transformation and Innovation	Technical Session 37 Driving Commercial Success in Oil and Gas Development	Technical Session 38 Mature Field Development, Production and Abandonment
1300-1800 hours	Exhibition			
1400-1430 hours	Sponsored Seminar 9	Sponsored Seminar 10		
1430-1445 hours	Break			
1445-1515 hours	IPTC Insights 9: Jeff Miller, Chairman, President and CEO, Halliburton			
1515-1615 hours	Panel Session 4: Digital Transformation: Powering the Energy Industry through Necessary Disruption			
1615-1630 hours	Break			
1630-1730 hours	Technical Session 39 Drilling Engineering Design	Technical Session 40 Attribute Analysis	Technical Session 41 Innovative Solutions in Unconventional Development	
DAY 8: THURSDAY, 1 APRIL				
1300-1400 hours	Technical Session 42 Innovative Solutions in Reservoir Engineering	Technical Session 43 Big Data and Analytics	Technical Session 44 Completion Technology Advancement	
1300-1800 hours	Exhibition			
1400-1430 hours	Sponsored Seminar 11	Sponsored Seminar 12		
1430-1445 hours	Break			
1445-1545 hours	Panel Session 5: Asia Pacific Exploration Opportunities – Are We Missing Something			
1545-1615 hours	Closing Session			

	Opening / Plenary / Panel		IPTC Insights		Special Programme
	Technical Session		Sponsored Seminar		

Speakers

Opening Ceremony



The Honourable Dato' Sri Mustapa bin Mohamed
Minister in the Prime Minister's Department (Economy)



Tengku Muhammad Taufik
President & Group CEO
PETRONAS



Mansoor Mohamed Al Hamed
Chief Executive Officer
Mubadala Petroleum



Olivier Le Peuch
CEO
Schlumberger



Mahmoud Abdulbaqi
Chairman
ITPC

ITPC Insights



Nasir K. Al Naimi
Business Line Head, Upstream
Saudi Aramco



Julie Sweet
CEO
Accenture



Kerry Moreland
Vice President, Sub-Saharan Africa
and Asia Pacific, Exploration and
New Ventures
**ExxonMobil Upstream Business
Development Co.**



Arnaud Breuillac
President
Exploration & Production
Total



Datuk Mohd Anuar Taib
Chief Operations Officer
Sapura Energy



Paul Goodfellow
Executive Vice President, Deepwater
Shell



Dwi Soetjipto
Chairman
SKK Migas



Jeff Miller
Chairman, President and CEO
Halliburton

ITPC Insights: Emerging Leaders Roundtable



Mohd Redhani Abdul Rahman
Head, Portfolio, Intervention and Transition
PETRONAS



Cally Ting
Human Capital Manager
Malaysia
Mubadala Petroleum



Chang Qing
Vice President,
Production Systems - Asia
Schlumberger



Speakers

Executive Plenary Session: Managing Transformation to Shape the Future of Energy



Maria Sferruzza
Senior Vice President, Asia Pacific
Baker Hughes



Przemek Lupa
Head of Development & Investment (Asia Pacific)
Masdar



M Firouz Asnan
Senior Vice President
Malaysia Petroleum Management
PETRONAS



Montri Rawanchaikul
President
PTTEP



Samer S. Al Ashgar
General Manager
Characterisation & Field Development Geosciences
Saudi Aramco

Panel Session 1:

Energy Transition: Balancing Accessibility, Sustainability and Affordability



Takeshi Soda
Director, Petroleum and Natural Gas Division
Ministry of Economy, Trade and Industry (METI) Government, Japan



Naser Al Hajri
Senior Vice President
Operations - South East Asia
Mubadala Petroleum



Mazuin Ismail
Senior Vice President,
Corporate Strategy
PETRONAS



Roger Bounds
Vice President, Strategy and Portfolio, Integrated Gas
Shell



Angela Wilkinson
Secretary General & CEO
World Energy Council



John McCreery
Advisory Partner
Bain & Co

Panel Session 2:

Human Capital Dynamics for the Future



Erdal Ozkan
Professor of Petroleum Engineering
Colorado School of Mines



Carla Carroll
Talent Manager - EESA & MENA-AP
Halliburton



Eric Young
Geozone Vice President - Asia
Weatherford



Farehana Hanapiah
Vice President
Group Human Resources Management
PETRONAS

Speakers

Panel Session 3: Navigating the Future of Gas



**Mazin Rashid Nasser
Al Lamki**
Chief Operating Officer
Mubadala Petroleum



**Shamsairi Mohd
Ibrahim**
Vice President
LNG Marketing and Trading
PETRONAS



**Natruedee
Khositaphai**
Executive Vice President
Strategy and Business
Development Group
PTTEP



Ajay Shah
Vice President
Shell Energy Asia
Shell



Asheesh Sastry
Managing Director and Partner
Boston Consulting Group

Panel Session 4: Digital Transformation: Powering the Energy Industry through Necessary Disruption



Senthil Ramani
Head of AI for
Growth Markets
Accenture



Aadrin Azly
Chief Digital Officer
PETRONAS



Trygve Randen
Business Line Director,
Digital Subsurface Solutions
Schlumberger



Eric Delattre
EP Digital Transformation Officer
Total SE



Ahmed Ibrahim
Vice President, Digital APAC
Baker Hughes

Panel Session 5: Asia Pacific Exploration Opportunities – Are We Missing Something?



Sophie Zurquiyah
CEO
CGG



Emeliana Rice-Oxley
Vice President
Exploration Upstream
PETRONAS



Kanok Intharawijitr
Executive Vice President
Geosciences, Subsurface and
Exploration Group
PTTEP



Jean-Marc Rodriguez
Vice President
Exploration Asia Pacific
Total SE



Speakers

Ask the Experts

Geostatistical Reservoir Modeling: Data Analytic and Machine Learning



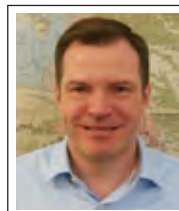
Michael J. Pyrcz
Associate Professor
The University of Texas at Austin

Lacustrine Shale Oil Development in China: Current Status and Strategic Outlook



Jin Zhijun
Professor
SINOPEC Exploration & Production Research Institute

High Pressure, High Temperature (HPHT) South East Asia



Brent Couzens-Schultz
Geohazards and Pore Pressure Manager
Shell International Exploration and Production

Oil and Gas Production Technologies of the 21st Century; where we are headed and what we need



Bob Pearson
SPE Technical Director
Production and Facilities
Glynn Resources

Rise Of Machines: Time To Change The Petroleum Engineering Curriculum



Robello Samuel
Chief Technical Advisor and Technology Fellow
Halliburton

Machine Learning: from a Shopping List to a Change in Mindset



Francois Baillard
Chief Technology Officer
Iraya Energies



Global Stewardship

Schlumberger has a long-standing culture of social and environmental stewardship in the communities where we and our customers live and work. We act on this in a variety of ways, including

- deploying technologies with a reduced environmental impact
- promoting HSE and STEM education globally
- prioritizing the United Nations Sustainable Development Goals that we can most positively impact.

We are committed to conducting business safely and in a manner that preserves and respects human dignity.

Find out more at
slb.com/globalstewardship

Schlumberger



IPTC Live

Preview the comprehensive and multidisciplinary technical content brought together by IPTC's four leading member-driven international professional associations during exclusively curated IPTC Live sessions.

Follow us on our IPTC social media channels to enjoy free access to these exclusive sessions



@iptcnet.org



IPTC TV



<https://www.linkedin.com/company/iptc---international-petroleum-technology-conference/>

IPTC Sponsoring Societies Top Papers

The top papers from the conference's of IPTC four Sponsoring Societies – the Association of Petroleum Geologists (AAPG); the European Association of Geoscientists and Engineers (EAGE); the Society of Exploration Geophysicists (SEG); and the Society of Petroleum Engineers (SPE) – were invited to present their papers on key industry topics at IPTC.

IPTC Sponsoring Societies Top Papers Part 1

Wednesday, 10 February 2021

- Feasibility of Limestone Reservoirs as a Carbon Dioxide Storage Site: An Experimental Study by Arshad Raza, University of Engineering and Technology, Lahore (AAPG)
- Fast-Turnaround Time-Lapse Ocean Bottom Seismic Processing Enabled by Up/Down Deconvolution by Richard Ford, Schlumberger (SEG)
- Density Inversion from Seismic Using A Trans-Dimensional Approach: A Field Dataset Example by Reetam Biswas, BP (SEG)

IPTC Sponsoring Societies Top Papers Part 2

Wednesday, 3 March 2021

- Reinforcement Learning for Field Development Policy Optimisation by Giorgio De Paola, Repsol (SPE)
- Preventing the Next Big Well Control Event – A Leading Indicators Approach by Geir Karlsen, Deep Oceans LLC (SPE)

IPTC Sponsoring Societies Presidents Panel

Wednesday, 17 February 2021

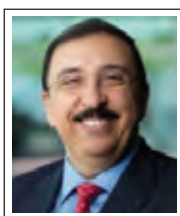
The presidents of IPTC's four sponsoring society will share their perspectives on what innovative technologies and industry trends are shaping the future of the energy landscape.



Richard Fritz
2020-2021 President
American
Association
of Petroleum
Geologists



Everhard Muijzert
2020-2021 President
European
Association
of Geoscientists
& Engineers



Maurice Nessim
2020-2021 President
Society of
Exploration
Geophysicists



Tom Blasingame
2021 President
Society of
Petroleum
Engineers



Mike Gunningham
Director
IPTC Board and
Chief Production
Technologist
SGS

IPTC Excellence in Project Integration Award

As the upstream oil and gas industry moves towards increasingly complex and capital intensive projects, conventional practices must be challenged. It is crucial that lessons are shared from successfully integrated projects that embody excellence. The IPTC committees and sponsoring societies believe in highlighting projects above US\$500 million that have demonstrated distinction throughout the entire exploration to production value chain.

The IPTC Excellence in Project Integration Award is given to a project that adds value to the industry and exemplifies strong teamwork, solid geoscience knowledge, reservoir and production engineering acumen, determined and watchful construction, and outstanding facilities engineering practices. Equally important, successful projects require a pervasive culture of HSE, a focus on sustainability, and a positive impact on the country, the region and the world.

IPTC Live: IPTC Excellence in Project Integration Award

Wednesday, 17 March 2021

The finalists will present the details of their projects and answer questions during a special webcast on Wednesday, 17 March 2021.

IPTC Excellence in Project Integration Award Presentation

The recipient of the IPTC Excellence in Project Integration Award will be announced during the Opening Ceremony scheduled 1300-1400 hours on Tuesday, 23 March 2021 (UTC +8).

Finalists

Culzean by Total



Located in the harsh environment of the UK North Sea, the Culzean development pushed the limits of existing technology. Complex reservoirs, ultra-High Pressure High Temperature (uHP/HT) wells and 1,000 bar rated surface facilities were all challenges faced by the project.

A development of true world scale, it included a new build drill rig, a three platform processing complex, a new build FSO and over 60 km of large bore gas export pipeline. Exceptional execution across all disciplines allowed it to be delivered safely, ahead of schedule as well as under budget.

It represents a strategic development for the region and one that will help maintain the UK's GHG reduction targets by supporting the move to cleaner gas power generation both now and into the future.



Ichthys LNG by INPEX



Ichthys LNG is ranked among the most significant oil and gas projects in the world. The energy development is a joint venture between INPEX group companies (the Operator), major partner Total, and the Australian subsidiaries of CPC Corporation Taiwan, Tokyo Gas, Osaka Gas, Kansai Electric Power, JERA and Toho Gas.

A Final Investment Decision for Ichthys LNG was reached in 2012 and production commenced in July 2018.

Ichthys LNG is expected to produce 8.9 million tonnes of LNG and 1.65 million tonnes of LPG per annum, along with more than 100,000 barrels of condensate per day at peak.

It is one of the few energy projects worldwide to incorporate the whole chain of development and production: subsea, offshore, pipeline and onshore.

Gas and condensate from the Ichthys Field will be exported to onshore facilities for processing near Darwin via an 890-kilometre pipeline. Most condensate is directly shipped to global markets from a floating production, storage and offloading facility permanently moored near the Ichthys Field in the Browse Basin.

Khurais Arab Light Increment by Saudi Aramco



Khurais Arab Light Increment program features increasing oil production from the existing Khurais, Abu Jiffan and Mazalij fields and thereby boosting the production capacity of Khurais Central Processing Facility (KhCPF) from 1,200 MBD to 1,500 MBD. This was achieved by constructing a 300 MBD Oil Processing Facility together with the construction of a grass root Satellite Gas Oil Separation Plant (GOSP) at Mazalij and Abu Jiffan to separate the additional crude, gas, and water streams, and recover 200 MBD together with additional production and water injection wells. The program also incorporates major environmental, energy, and reliability enhancement scope items.

The project covers wide area of execution between Khurais CPF, Abu Jifan, Mazalij, Satellite GOSP and Ain Dar, stretching over 300 km with nearly 3,340 interface points to manage, and more than 350 direct and indirect purchase orders from 22 countries, about 30% of the total value was invested in local content, capitalizing on local expertise and supporting In-Kingdom manufacturing industry. The project also saw a wide variety of technology deployment leveraging on the advancement in equipment technology and Industrial Revolution (IR) 4.0, which serves as a cornerstone of this project.

Energy Partner of Choice



PTTEP was founded in 1985 as a national petroleum exploration and production company dedicated to provide sustainable energy security. Our journeys have led us to discover energy for all, to drive the economy and enriching lives. No matter the obstacles, we can strive to overcome together to make a better world.

www.pttep.com





How to Register

Register online at <http://2021.iptcnet.org/register>

Individual Registration Fee

Category		Fee Per Person
Full Access	Member	USD 345
	Non-Member	USD 395
	Speaker / Author / Committee / Session Chair	USD 195
	Student	Complimentary (with valid Student ID)
Visitor		Complimentary

Member Rate

To be entitled to the member rate, participant must provide their membership number from one of the following professional associations:

- AAPG - American Association of Petroleum Geologists
- EAGE - European Association of Geoscientists & Engineers
- SEG - Society of Exploration Geophysicists
- SPE - Society of Petroleum Engineers

Group Registration

Register 5 save 15%, register 10 save 20%

Student Registration

IPTC 2021 is offering 500 complimentary registrations to university students (with valid university ID) to attend the virtual event from 23 March - 1 April 2021. Registration for this 500 complimentary access will be allocated on a first-come first-served basis. Should any students wish to guarantee their attendance at the virtual event, student may consider purchasing a Full Access or Exhibition Visitor Registration.

Registration Access Type

Access Type	Full Access	Student	Visitor
Conference Opening, Executive Plenary, IPTC Insights, Panel, Technical, Ask the Expert and Closing Sessions, Conference Lounge and Meet the Speaker room	✓	✓	
Exhibition Interactive exhibition booth features and booth seminar sessions	✓	✓	✓
Sponsored Seminars	✓	✓	✓
Knowledge Sharing ePoster Sessions	✓	✓	✓
Business Matching Schedule private meetings with exhibitors	✓	✓	✓
Networking Lounge Private message and exchange business card with online attendees	✓	✓	✓
Conference Digital Proceedings	✓		
Digital Briefcase and Business Card Digital resources, information and business cards	✓	✓	✓
On-Demand Content Conference sessions and presentations up to 3-months after the live event	✓		

The International Petroleum Technology Conference (IPTC) is an international oil and gas conference and exhibition. The event rotates amongst various venues in the Eastern Hemisphere. The scope of the conference programme and associated industry activities will address key technology and relevant issues that challenge industry specialists and management around the world, particularly in the gas business and certain overarching issues such as HSE, Security, HR and training.

Contact us for more information:

Email : iptc@iptcnet.org

Tel : +60 3 2182 3000