Balancing the Energy Landscape through Innovation and Sustainability

CONFERENCE PREVIEW

Sponsoring Societies
PTTEP Commits to Net Zero Greenhouse Gas Emissions by 2050

PTT Exploration and Production Public Company Limited (PTTEP) operates with consideration to create the right balance of business, social and environmental aspects. We take part in solving global warming issues and therefore set forth to achieve Net Zero Greenhouse Gas (GHG) Emissions by 2050 through our “EP Net Zero 2050” concept.

Exploring for Lower Carbon E&P Portfolio
Our exploration and production portfolio will be managed to transform PTTEP into a lower-carbon organization. New projects with an emphasis on natural gas and greenhouse gas intensity will be factored into the investment decision-making process.

Production and Planet in Balance
We will pursue the development of technology to reduce GHG emissions, energy and production efficiency improvement, application of renewable energy in operations, as well as emissions offsetting through the planting of trees in forests and mangroves to increase the natural carbon sink.

NET ZERO
Greenhouse Gas Emissions 2050

www.pttep.com
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discover IPTC</td>
<td>4</td>
</tr>
<tr>
<td>Message from Committee Leadership</td>
<td>6</td>
</tr>
<tr>
<td>IPTC Sponsoring Societies</td>
<td>8</td>
</tr>
<tr>
<td>IPTC Board of Directors and Committees</td>
<td>9</td>
</tr>
<tr>
<td>Conference Sponsors</td>
<td>13</td>
</tr>
<tr>
<td>Schedule of Events</td>
<td>14</td>
</tr>
<tr>
<td>Conference Programme Schedule</td>
<td>17</td>
</tr>
<tr>
<td>Opening Ceremony and Award Presentation</td>
<td>19</td>
</tr>
<tr>
<td>Executive Plenaries</td>
<td>20</td>
</tr>
<tr>
<td>Panel Sessions</td>
<td>21</td>
</tr>
<tr>
<td>Ask the Experts Sessions</td>
<td>29</td>
</tr>
<tr>
<td>Technical and Knowledge Sharing ePoster Sessions</td>
<td>33</td>
</tr>
<tr>
<td>Development Activities - Emerging Leaders Workshop</td>
<td>34</td>
</tr>
<tr>
<td>Development Activities - Energy Education</td>
<td>35</td>
</tr>
<tr>
<td>Training Courses</td>
<td>36</td>
</tr>
<tr>
<td>List of Exhibitors</td>
<td>37</td>
</tr>
<tr>
<td>Sponsorship and Exhibition Opportunities</td>
<td>38</td>
</tr>
<tr>
<td>Registration</td>
<td>39</td>
</tr>
<tr>
<td>General Information</td>
<td>40</td>
</tr>
</tbody>
</table>

---

**FOLLOW US ON SOCIAL MEDIA**

Stay connected and updated with the latest from #IPTC #IPTC2023

international petroleum technology conference (iptc)

@iptcevents  @iptcnet.org  @iptc_net_org  @iptctv

*This Conference Preview is updated as at 22 November 2022*
DISCOVER IPTC

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), IPTC is widely regarded by energy professionals as a unique industry conference; providing peer-reviewed technology dissemination and knowledge sharing on a global scale and in a truly integrated manner.

The fifteenth edition of the International Petroleum Technology Conference (IPTC) is proudly hosted by PTT Exploration and Production Public Company Limited (PTTEP). Themed “Balancing the Energy Landscape through Innovation and Sustainability”, IPTC 2023 is scheduled from 1–3 March 2023 at the Bangkok Convention Center at CentralWorld in Bangkok, Thailand.

IPTC 2023 aims to address challenges facing the industry and highlight the technological advances required to meet future energy demand in a lower carbon world.

The bespoke three-day event will feature high-level discourse by industry thought leaders and experts, a comprehensive technical programme covering a broad range of topics from geoscience and petroleum engineering, an extensive exhibition showcasing leading-edge innovations and advancements in upstream exploration and production, as well as digital and sustainability initiatives and transformation in the energy transition.

The event will be organised as a carbon neutral event, certified by the Thailand Greenhouse Gas Management Organisation.
Women continue to be underrepresented in fields such as science, technology, engineering and math.

This reality inspired a series of initiatives designed to accelerate women’s professional development within our operations. This approach has produced an outcome which signals a more promising future: Aramco’s growing cohort of female researchers have been named as inventors on 215 granted U.S. patents and counting.

Discover how our female talent is pushing the energy industry forward at aramco.com/poweredbyhow
MESSAGE FROM COMMITTEE LEADERSHIP

On behalf of the IPTC Board of Directors, the Executive Committee, the Conference Programme Committee and the Host Organisation, it is our pleasure to invite your organisation to participate in the 15th International Petroleum Technology Conference (IPTC), to be held from 1 – 3 March 2023 in Bangkok, Thailand.

It is a privilege for PTTEP to host IPTC for the third time as IPTC is considered a vital knowledge transfer platform for professionals to collaborate and create sustainable values for the energy industry, which is in line with PTTEP’s vision - “Energy Partner of Choice”.

IPTC is a unique, collaborative effort amongst AAPG, EAGE, SEG and SPE to deliver its renowned industry conference and peer-reviewed technical knowledge sharing on a global scale, in a truly integrated manner.

Under the theme “Balancing the Energy Landscape through Innovation and Sustainability”, the conference will address industry challenges and highlight the technological advances required to meet future energy demands in a lower carbon world. We are also pleased to share that IPTC 2023 will be organised as a carbon neutral event, certified by the Thailand Greenhouse Gas Management Organisation.

The conference will feature industry thought leaders and subject matter experts through the event’s two executive plenary sessions, eight panel sessions, and detailed technical presentations on a broad range of topics from geoscience and petroleum engineering. In addition, the programme will highlight emerging topics in energy transition, new and future energy, and Carbon Capture, Utilisation, and Storage (CCUS). More than 300 technical papers representing 86 organisations and 34 countries will be presented in over 40 technical sessions and ePosters.

An exhibition showcasing the latest advancements, innovations, achievements in upstream exploration and production, as well as recent digital and future energy initiatives will complement the event. It will be a great time for us to network with the 3,500+ energy professionals from 1,000 organisations and 50 countries expected to participate at the conference.

IPTC 2023 is also proud to support our younger generation with energy education programmes designed for university students and teachers, as well as an Emerging Leaders Workshop for young professionals. We hope that you will take this unique opportunity to engage and collaborate with top energy leaders, gain new ideas, and explore innovative solutions at the conference.

See you in Bangkok, Thailand this coming 1 – 3 March 2023.

Adif Zulkifli  
IPTC Board of Directors Chairman  
Executive Vice President &  
Chief Executive Officer  
Upstream  
PETRONAS

Krairit Euchukanonchai  
IPTC 2023 Honorable Advisor  
Chairman, Board of Directors  
PTT Exploration and Production Public Company Limited

Montri Rawanchaikul  
IPTC 2023 Executive Committee Chair  
Chief Executive Officer  
PTT Exploration and Production Public Company Limited
MESSAGE FROM COMMITTEE LEADERSHIP

Piya Sukhumpanumet
IPTC 2023 Conference Programme Committee Chair
Executive Vice President
International Production Asset Group
PTT Exploration and Production Public Company Limited

Kanita Sartwattayu
IPTC 2023 Conference Programme Committee Vice-Chair
Executive Vice President
Engineering and Development Group
PTT Exploration and Production Public Company Limited

Hasliza Othman
IPTC 2023 Conference Programme Committee Vice-Chair
Executive Vice President
Malaysia Assets, Upstream Business PETRONAS

Aminuddin Said
IPTC 2023 Conference Programme Committee Vice-Chair
Director of Sales and Marketing East Asia SLB

Chayong Borisuitsawat
IPTC 2023 Host Committee Chair
Executive Vice President
Human Resources, Corporate Affairs and Assurance Group
PTT Exploration and Production Public Company Limited

Adisorn Smathimanant
IPTC 2023 Development Activities Chair
Senior Vice President
Human Resources Division
PTT Exploration and Production Public Company Limited
**IPTC SPONSORING SOCIETIES**

Founded in 2005, the International Petroleum Technology Conference (IPTC) is the flagship multidisciplinary technical event in the Eastern Hemisphere and is a collaborative effort among four of the industry's leading non-profit professional associations; 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).

The mission of IPTC is to disseminate knowledge across the energy exploration and production industry, showcasing new and current technology, and best practices across multiple disciplines, emphasising the importance of collaboration to identify and deploy innovative solutions to maximise asset value.

Income from this event is invested back into IPTC’s energy education programmes and the sponsoring societies’ programmes that provide opportunities for industry professionals to enhance their professional and technical competence.

**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](http://www.aapg.org)

**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](http://www.eage.org)

**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](http://www.seg.org)

**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](http://www.spe.org)
IPTC BOARD OF DIRECTORS

The IPTC Board of Directors was formed in June 2010 to oversee the management of IPTC. The Board is made up of members elected from IPTC’s four organising societies.

Adif Zulkifli
Chairman
Executive Vice President & Chief Executive Officer
Upstream
PETRONAS
Society of Petroleum Engineers

Pinar O. Yilmaz
Vice Chairman
American Association of Petroleum Geologists

Pascal Breton
Treasurer
Head of CSTJF Comms and Tech Marketing Department
TotalEnergies
European Association of Geoscientists and Engineers

Check out our list of Board members
https://2023.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 provide guidance on key themes and counsel to the organising committees on the direction and focus of the programmes and activities.

Kairrit Euchukanonchhai
Honourable Advisor
Chairman, Board of Directors
PTT Exploration and Production Public Company Limited

Montri Rawanchaikul
Chair
Chief Executive Officer
PTT Exploration and Production Public Company Limited
EXECUTIVE COMMITTEE

Members

Matthew Penn
Senior Vice President
Subsea Asia Pacific
Aker Solutions

Chaiwat Muncharoen
Chief Executive Officer
APICO LLC

John McCreery
Partner
Bain & Co

Graham Gillies
President, Asia Pacific
Baker Hughes

Patrick Schorn
Chief Executive Officer
Borr Drilling

Qing Xu
Vice President
Geoscience Asia Pacific
CGG

Chatit Huayhongtong
President
Chevron Thailand Exploration and Production Ltd.

Dou Lirong
Executive Vice President
Research Institute of Petroleum and Development
China National Petroleum Corporation

Lisa Rae Bruner
President
ConocoPhillips Malaysia

Ramanrao Abdullah
Group Chief Executive Officer
Deleum Berhad

Egon van der Hoeven
Senior Vice President
Business Development
ExxonMobil Cepu Ltd.

Joe D. Rainey
President
Eastern Hemisphere
Halliburton

Zhiyong Zhao
Vice President, Asia
Hess

Kenneth Gerard Pereira
Managing Director
Hibiscus Petroleum

Koji Yamamoto
Vice President
Japan Oil, Gas and Metals National Corporation (JOGMEC)

Yasuhiro Kotera
Executive Officer and General Manager
Digital Transformation Department
JX Nippon Oil & Gas Exploration Corporation

Tony Pink
Vice President, Subsurface Energy Technologies
NOV

Pawut U-Thasontorn
President
Palang Sophon Ltd.

Mohamad Hanif Hashim
General Manager
Petrofac

Adif Zulkifli
Executive Vice President & Chief Executive Officer
Upstream
PETRONAS

Natruede Khositaphai
Executive Vice President
Strategy and Business Development Group
PTT Exploration and Production Public Company Limited

Waleed A. Al-Mulhim
Executive Director
Petroleum Engineering and Development
Saudi Aramco

Lee Meng Keong
President, East Asia
SLB

Ivan Tan
Country Chairman and Senior Vice President
Upstream
Shell Malaysia

Kean Peoh Lim
Country General Manager
Technip Energies

Federico Medrano
Senior Vice President
International Operations
Weatherford

John Popovic
Senior Director
Project Delivery and Project Services
Southeast Asia
Worley
PROGRAMME AND HOST COMMITTEES

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

Piya Sukhumpanumet  
Chair  
Executive Vice President  
International Production Asset Group  
PTT Exploration and Production Public Company Limited

Kanita Sartwattayu  
Vice-Chair  
Executive Vice President  
Engineering and Development Group  
PTT Exploration and Production Public Company Limited

Hasliza Othman  
Vice-Chair  
Senior Vice President  
Malaysia Assets, Upstream Business  
PETRONAS

Aminuddin Said  
Vice-Chair  
Director of Sales and Marketing  
East Asia  
SLB

Access the full list of Programme Committee members  
https://2023.iptcnet.org/committees/programme-committee

Host Committee
The Host Committee collaborates with IPTC to deliver on the conference’s protocol, publicity and special functions.

Chayong Borisuitsawat  
Chair  
Executive Vice President  
Human Resources, Corporate Affairs, and Assurance Group  
PTT Exploration and Production Public Company Limited

Access the full list of Host Committee members  
https://2023.iptcnet.org/committees/host-committee
DEVELOPMENT ACTIVITIES AND AWARD COMMITTEES

Development Activities Committee
The Development Activities Committee is responsible for the planning and development of energy education and young professional programmes, namely the Energy Education University Student Programme, Energy Education Workshop for teachers, and the Emerging Leaders Workshop.

Adisorn Smathimanant
Chair
Senior Vice President
Human Resources Division
PTT Exploration and Production Public Company Limited

Zhiyong Zhao
Vice-Chair
Vice President, Asia
Hess

Siwanath Wetchasart
Vice-Chair
Country Lead, Thailand
Baker Hughes

Access the full list of Development Activities Committee members
https://2023.iptcnet.org/committees/development-activities-committee

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

David Blanchard
Chair
President
WTM Energy Inc

Access the full list of Awards Committee members
https://2023.iptcnet.org/committees/award-committee
THANK YOU TO OUR SPONSORS

HOST ORGANISATION

PTTEP

DIAMOND SPONSOR

aramco

Closing Session Sponsor and Energy Education University Co-Sponsor

GENERAL SPONSORS

PETRONAS

Lanyards Sponsor

Chevron

Silver Sponsor and Energy Education University Co-Sponsor

ExxonMobil

Conference Luncheon - Day 2 (2 March) Sponsor

SLB

Gold Sponsor

Aker Solutions

IPTCafé Sponsor

CGG

Conference Water Bottles and Stations Sponsor

DELEUM

Conference Session Rooms and ePoster Sessions Sponsor

HALIBURTON

Silver Sponsor

Total Energies

Silver Sponsor

Scientific Drilling

Meeting Pods Sponsor
## SCHEDULE OF EVENTS

### Monday, 27 February 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200 - 2100 hours</td>
<td>Exhibitor Registration</td>
<td>Foyer, Level 22</td>
</tr>
<tr>
<td>1200 - 2100 hours</td>
<td>Exhibitor Move-In and Setup</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
</tbody>
</table>

### Tuesday, 28 February 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0900 - 1800 hours</td>
<td>Exhibition Move-In</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>0900 - 1800 hours</td>
<td>Registration</td>
<td>Foyer, Level 22</td>
</tr>
<tr>
<td>0900 - 1800 hours</td>
<td>Speaker/Author Check-In and Presentation Check</td>
<td>Lotus Suite 9, Level 22</td>
</tr>
</tbody>
</table>

### Wednesday, 1 March 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800 - 1930 hours</td>
<td>Registration</td>
<td>Lotus Suite 9, Level 22</td>
</tr>
<tr>
<td>0800 - 1730 hours</td>
<td>Speaker/Author Check-In and Presentation Check</td>
<td>Lotus Suite 9, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>IPTC Society Presidents Panel Session</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 1: Innovation and Machine Learning I</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 2: Production Engineering: Stimulation</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 3: Overarching Themes</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 4: Project Management and Value Engineering</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 5: Optimisation of Well Planning and Execution Drilling</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>1000 - 1900 hours</td>
<td>Exhibition</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1030 - 1100 hours</td>
<td>Coffee Break</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>IPTC Excellence in Project Integration Award Session</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 6: Geophysical Imaging and Inversion</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 7: Flow Assurance</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 8: Green Technology and Future Energy</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 9: Engineering, Construction and Commissioning</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 10: Optimisation of Well Planning and Execution Completions</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Ask the Expert Session 1: The Dual Challenge - Energy and Environment</td>
<td>Lotus Suite 12, Level 22</td>
</tr>
<tr>
<td>1230 - 1400 hours</td>
<td>Conference Luncheon</td>
<td>Delegates Bar &amp; Pre-Function Area, Level 22</td>
</tr>
<tr>
<td>1330 - 1400 hours</td>
<td>Knowledge Sharing ePoster Session 1</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Opening Ceremony and IPTC Excellence in Project Integration Award Presentation</td>
<td>World Ballroom, Level 23</td>
</tr>
<tr>
<td>1530 - 1630 hours</td>
<td>Knowledge Sharing ePoster Session 2 and Coffee Break</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1630 - 1800 hours</td>
<td>Executive Plenary I: Balancing the Energy Landscape through Innovation and Sustainability</td>
<td>World Ballroom, Level 23</td>
</tr>
<tr>
<td>1730 - 1900 hours</td>
<td>Welcome Reception hosted by PTTEP</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>0800 - 1800 hours</td>
<td>Registration</td>
<td>Foyer, Level 22</td>
</tr>
<tr>
<td>0800 - 1730 hours</td>
<td>Speaker/Author Check-In and Presentation Check</td>
<td>Lotus Suite 9, Level 22</td>
</tr>
<tr>
<td>0830 - 1600 hours</td>
<td>Emerging Leaders Workshop</td>
<td>World Ballroom A, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Panel Session 1: Reinventing the Oil and Gas Value Chain amidst the Energy Transition</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 11: IOR/EOR Field Applications</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 12: Petroleum System Elements and Future Potential</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 13: Artificial Lift</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 14: IR 4.0 Adoption</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 15: Facilities Engineering and Processing</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 16: Challenges in Well Construction</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Ask the Expert Session 2: Accelerating CCUS through Data and Machine Learning to Support Net-Zero Goals</td>
<td>Lotus Suite 12, Level 22</td>
</tr>
<tr>
<td>1000 - 1800 hours</td>
<td>Exhibition</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1030 - 1100 hours</td>
<td>Knowledge Sharing ePoster Session 3 and Coffee Break</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1100 - 1215 hours</td>
<td>Executive Plenary Session II: A New Energy Future</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1215 - 1245 hours</td>
<td>Address by Conference Luncheon Sponsor: ExxonMobil</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1245 - 1400 hours</td>
<td>Conference Luncheon sponsored by ExxonMobil</td>
<td>Delegates Bar &amp; Pre-Function Area, Level 22</td>
</tr>
<tr>
<td>1330 - 1400 hours</td>
<td>Knowledge Sharing ePoster Session 4</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Panel Session 3: The Energy Workforce of Tomorrow</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 17: Regional Tectonics, Structures and Stratigraphy</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 18: Geoscience Modelling I</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 19: CCS Strategy and Studies</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 20: Asset Life Cycle Maintenance and Integrity</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 21: Challenges in Well Completion</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>1530 - 1600 hours</td>
<td>Knowledge Sharing ePoster Session 5 and Coffee Break</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Panel Session 4: CCUS: Prospects and Technologies</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 22: Reservoir Management</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 23: Innovation and Machine Learning II</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 24: Fluids and Cementing</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 25: Considerations for Environmental Challenges</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 26: Operation Facility Management</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>1600 - 1730 hours</td>
<td>Technical Session 27: Well Integrity and Well Intervention</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
</tbody>
</table>
### SCHEDULE OF EVENTS

**Friday, 3 March 2023**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800 - 1700 hours</td>
<td>Registration</td>
<td>Foyer, Level 22</td>
</tr>
<tr>
<td>0800 - 1630 hours</td>
<td>Speaker/Author Check-In and Presentation Check</td>
<td>Lotus Suite 9, Level 22</td>
</tr>
<tr>
<td>0830 - 1530 hours</td>
<td>Energy Education Workshop</td>
<td>World Ballroom A, Level 23</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Panel Session 5: Towards a Human-centric AI Collaborative Ecosystem: A Holistic Approach</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 28: IOR/EOR Studies</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 29: Geophysical Data Acquisition, Processing and Interpretation</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 30: Integrated Reservoir Engineering</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 31: Challenges of CCS Development in Brownfield Assets</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 32: Sustainability Design and Operation</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Technical Session 33: Well Data Analytics and Automation</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>0900 - 1030 hours</td>
<td>Ask the Expert Session 3: Introduction to CO2 Storage Resources Management System (SRMS)</td>
<td>Lotus Suite 12, Level 22</td>
</tr>
<tr>
<td>1000 - 1700 hours</td>
<td>Exhibition</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1030 - 1100 hours</td>
<td>Knowledge Sharing ePoster Session 6 and Coffee Break</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Panel Session 6: Revitalising Late Life Assets, Mature Fields and Aging Facilities</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 34: Reservoir Studies/Simulation</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 35: CCS and Contaminants</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 36: Geoscience Modelling II</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 37: Big Data Applications and AI</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 38: Well Conformance</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Technical Session 39: Advancements in Drilling Technology</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>1100 - 1230 hours</td>
<td>Ask the Expert Session 4: Role of Geoscience in the Energy Transition</td>
<td>Lotus Suite 12, Level 22</td>
</tr>
<tr>
<td>1230 - 1400 hours</td>
<td>Conference Luncheon</td>
<td>Delegates Bar &amp; Pre-Function Area, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Panel Session 7: Fuels of the Future</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 40: Unconventional Development, Stimulation, Drilling and Completion</td>
<td>Lotus Suite 1-2, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 41: Petrophysics and Formation Evaluation</td>
<td>Lotus Suite 3-4, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 42: Integrated Reservoir Geoscience</td>
<td>Lotus Suite 5-6, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 43: Carbon Footprint Reduction</td>
<td>Lotus Suite 7, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 44: Well Integrity and Production Monitoring</td>
<td>Lotus Suite 10, Level 22</td>
</tr>
<tr>
<td>1400 - 1530 hours</td>
<td>Technical Session 45: Advancements in Completion Technology</td>
<td>Lotus Suite 11, Level 22</td>
</tr>
<tr>
<td>1530 - 1645 hours</td>
<td>Closing Session sponsored by Saudi Aramco</td>
<td>World Ballroom B &amp; C, Level 23</td>
</tr>
<tr>
<td>1630 - 1900 hours</td>
<td>Exhibition Move-Out</td>
<td>BCC Hall A &amp; B, Level 22</td>
</tr>
</tbody>
</table>
## CONFERENCE PROGRAMME SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>World Ballroom, Level 23</th>
<th>Lotus Suite 1-2, Level 22</th>
<th>Lotus Suite 3-4, Level 22</th>
<th>Lotus Suite 5-6, Level 22</th>
<th>Lotus Suite 7, Level 22</th>
<th>Lotus Suite 10, Level 22</th>
<th>Lotus Suite 11, Level 22</th>
<th>Lotus Suite 12, Level 22</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030-1100 hours</td>
<td>Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1230-1400 hours</td>
<td>Conference Luncheon - Delegates Bar &amp; Pre-Function Area, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-1400 hours</td>
<td>Knowledge Sharing ePoster Session 1 - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1400-1530 hours</td>
<td>Opening Ceremony &amp; Award Presentation</td>
<td>Technical Session 17 Geophysical Data Acquisition and Interpretation</td>
<td>Technical Session 18 Geophysical Modelling II</td>
<td>Technical Session 19 CCS Strategy and Studies</td>
<td>Technical Session 20 Asset Lifecycle Management and Integrity</td>
<td>Technical Session 21 Challenges in Well Completion</td>
<td>Technical Session 22 Reservoir Management</td>
<td>Technical Session 23 Operation Facility Management</td>
</tr>
<tr>
<td>1530-1630 hours</td>
<td>Knowledge Sharing ePoster Session 2 and Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1630-1800 hours</td>
<td>Executive Plenary I Balancing the Economic Landscape through Sustainability</td>
<td>Technical Session 25 Considerations for Environmental Challenges</td>
<td>Technical Session 26 Operation Facility Management</td>
<td>Technical Session 27 Well Integrity and Well Intervention</td>
<td>Technical Session 28 Geophysical Data Acquisition, Processing and Interpretation</td>
<td>Technical Session 31 Challenges of CCS Development in Brownfield Assets</td>
<td>Technical Session 32 Sustainability Design and Operation</td>
<td>Technical Session 33 Well Data Analytics and Automation</td>
</tr>
<tr>
<td>1730-1900 hours</td>
<td>Knowledge Sharing ePoster Session 3 and Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0900-1030 hours</td>
<td>Panel Session 1 Reinventing the Oil and Gas Value Chain amidst the Energy Transition</td>
<td>Technical Session 11 Integration of Data and Machine Learning</td>
<td>Technical Session 12 Petroleum Systems Elements and Future Potential</td>
<td>Technical Session 13 Artificial Lift</td>
<td>Technical Session 14 IR-4.0 Adoption</td>
<td>Technical Session 15 Challenges in Well Construction</td>
<td>Technical Session 16 Accelerating CCUS through Data and Machine Learning to Support Net-Zero Goals</td>
<td>Technical Session 17 Geophysical Data Acquisition and Interpretation</td>
</tr>
<tr>
<td>1100-1215 hours</td>
<td>Knowledge Sharing ePoster Session 3 and Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1215-1245 hours</td>
<td>Address by Conference Luncheon Sponsor: ExxonMobil</td>
<td>Technical Session 25 Considerations for Environmental Challenges</td>
<td>Technical Session 26 Operation Facility Management</td>
<td>Technical Session 27 Well Integrity and Well Intervention</td>
<td>Technical Session 28 Geophysical Data Acquisition, Processing and Interpretation</td>
<td>Technical Session 31 Challenges of CCS Development in Brownfield Assets</td>
<td>Technical Session 32 Sustainability Design and Operation</td>
<td>Technical Session 33 Well Data Analytics and Automation</td>
</tr>
<tr>
<td>1245-1400 hours</td>
<td>Conference Luncheon sponsored by ExxonMobil - Delegates Bar &amp; Pre-Function Area, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-1400 hours</td>
<td>Knowledge Sharing ePoster Session 4 - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1530-1600 hours</td>
<td>Knowledge Sharing ePoster Session 5 and Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0900-1030 hours</td>
<td>Panel Session 5 Towards a Human-Centric AI Collaborative Ecosystem: A Holistic Approach</td>
<td>Technical Session 28 Geophysical Data Acquisition, Processing and Interpretation</td>
<td>Technical Session 29 Geophysical Data Acquisition, Processing and Interpretation</td>
<td>Technical Session 30 Reservoir Engineering</td>
<td>Technical Session 31 Challenges of CCS Development in Brownfield Assets</td>
<td>Technical Session 32 Sustainability Design and Operation</td>
<td>Technical Session 33 Well Data Analytics and Automation</td>
<td>Technical Session 34 Reservoir Studies/Completion</td>
</tr>
<tr>
<td>1030-1100 hours</td>
<td>Knowledge Sharing ePoster Session 6 and Coffee Break - BCC Hall A &amp; B, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1100-1230 hours</td>
<td>Panel Session 6 Revitalising Late Life Assets, Mature Fields and Production Facilities</td>
<td>Technical Session 34 Reservoir Studies/Completion</td>
<td>Technical Session 35 CCS and Containment</td>
<td>Technical Session 36 Reservoir Modelling</td>
<td>Technical Session 37 Big Data Applications and AI</td>
<td>Technical Session 38 Well Conformance</td>
<td>Technical Session 39 Advancements in Drilling Technology</td>
<td>Technical Session 40 Unconventional Development, Stimulation, Drilling and Completion</td>
</tr>
<tr>
<td>1230-1400 hours</td>
<td>Conference Luncheon - Delegates Bar &amp; Pre-Function Area, Level 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1400-1530 hours</td>
<td>Panel Session 7 Fuels of the Future</td>
<td>Technical Session 40 Unconventional Development, Stimulation, Drilling and Completion</td>
<td>Technical Session 41 Integrated Reservoir Geosciences</td>
<td>Technical Session 42 Reservoir Engineering</td>
<td>Technical Session 43 Carbon Footprint Reduction</td>
<td>Technical Session 44 Well Integrity and Production Monitoring</td>
<td>Technical Session 45 Advancements in Completion Technology</td>
<td>Technical Session 46 Inte</td>
</tr>
<tr>
<td>1530-1645 hours</td>
<td>Closing Session sponsored by Saudi Aramco - World Ballroom, Level 23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Conference Highlights

- **Geoscience**
  - Surface Operations (Upstream to Midstream) & Midstream Gas
  - Production Engineering
  - Reservoir
  - Integrated Reservoir Engineering and Geoscience
  - Geophysical Data Acquisition and Interpretation
  - Petroleum Systems Elements and Future Potential

- **Drilling and Completions**
  - Unconventional
  - Reservoir
  - IR-4.0
  - Value Engineering

- **Sustainability**
  - Overarching Themes
  - Opening / Plenary Session
  - Special Programme
  - Ask the Expert Session 1: The Dual Challenge - Energy and Environment

- **Technical Sessions**
  - Geoscience
  - Production Engineering: IR 4.0 and Geoscience
  - Integrated Reservoir Engineering
  - Well Conformance
  - Formation Evaluation
  - Artificial Lift
  - Reservoir Modelling
  - Fluids and Cementing
  - CCS and Containment
  - Fluids and Cementing
  - Big Data Applications and AI
  - Well Integrity and Operation
  - Geophysical Data Acquisition, Processing and Interpretation
  - Geophysical Data Acquisition, Processing and Interpretation

- **Ask the Expert Sessions**
  - Ask the Expert Session 1: The Dual Challenge - Energy and Environment
  - Ask the Expert Session 2: Accelerating CCUS through Data and Machine Learning to Support Net-Zero Goals
  - Ask the Expert Session 3: Introduction to CCUS: Storage Resources Management System (SRMS)
  - Ask the Expert Session 4: Role of Geoscience in the Energy Transition
OPENING CEREMONY AND AWARD PRESENTATION

Opening Ceremony

The Opening Ceremony will feature welcome remarks by Adif Zulkifli, IPTC Board Chairman and Executive Vice President & CEO, Upstream of PETRONAS, and Montri Rawanchaikul, IPTC 2023 Executive Committee Chairman and Chief Executive Officer of PTT Exploration and Production Public Company Ltd (PTTEP).

This session will also feature two ministerial addresses by the Minister of Energy, Thailand, and the Minister of Energy and Minerals, Oman.

Adif Zulkifli
IPTC Board of Directors
Chairman
Executive Vice President & Chief Executive Officer
Upstream PETRONAS

Montri Rawanchaikul
IPTC 2023 Executive Committee
Chair
Chief Executive Officer
PTT Exploration and Production Public Company Limited

IPTC Excellence in Project Integration Award

The IPTC committees and sponsoring societies believe in recognising projects that have demonstrated distinction throughout the entire exploration and 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, and a positive impact on the country, the region and the world.

The 15th IPTC Excellence in Project Integration Award recipient will be announced during the Opening Ceremony.
EXECUTIVE PLENARIES

Executive Plenary Session I:
Balancing the Energy Landscape through Innovation and Sustainability
Wednesday, 1 March 2023 | 1630-1800 hours

Speakers

Montri Rawanchaikul
Chief Executive Officer
PTT Exploration and Production Public Company Limited

Adif Zulkifli
Executive Vice President & Chief Executive Officer
Upstream
PETRONAS

John Anis
President Director
Pertamina Internasional EP

Jeff Miller
President and Chief Executive Officer
Halliburton

Mazin Al Lamki
Chief Executive Officer
Energy Development Oman

Executive Plenary Session II:
A New Energy Future
Thursday, 2 March 2023 | 1100-1215 hours

Speakers

Irtiza Sayyed
Head of Asia Pacific
ExxonMobil Lower Carbon Solutions and President
ExxonMobil Indonesia

Prasong Intaranongpai
Executive Vice President
New Venture Development
PTT Public Company Limited

Gavin Rennick
President New Energy
SLB

Laure Mandrou
Senior Vice President
Carbon-Free Solutions Business Line
Technip Energies
PANEL SESSIONS

IPTC Society Presidents Panel Session
Wednesday, 1 March 2023 | 0900-1030 hours

Speakers

Steven Goolsby
President
AAPG

Jean-Marc Rodriguez
President
EAGE

Ken Tubman
President
SEG

Med Kamal
2023 President
SPE

Moderator

Mike Gunningham
IPTC Board of Directors
Chief Production Technologist
SGS Subsurface Consultancy

The presidents of IPTC’s four sponsoring societies, the American Association of Petroleum Geologists (AAPG); the European Association of Geoscientists & Engineers (EAGE); the Society of Exploration Geophysicists (SEG); and the Society of Petroleum Engineers (SPE) will share their perspectives on industry trends and technologies that are shaping the future of the energy landscape.
The oil and gas industry comprises of long-established sectors undergoing massive disruptions on multiple fronts. Today, the industry is in a critical situation where hydrocarbons are viewed as a risk to future life due to global warming caused by GHG emissions. As a result, many organisations have realised that real change must happen in their policy, culture, technology, and even their people’s mindset to create healthy business value.

The established belief is that we cannot survive without oil and gas, and this industry will continue for decades. However, this industry must adapt its businesses toward energy transition and drive the value chain by considering emissions management.

By “Pivoting to the New”, operators must apply agile business models to succeed in the future and invest in the benefits these game-changing opportunities may offer. Some operating companies are already transforming their core businesses to be hyper-efficient, while others are on a transition journey from “oil” to “energy.”

However, this transformation needs to be quick for our business to remain relevant. Disruptors have already entered the industry, so incumbents need to act faster and drive the changes society wants to see. A strategy to transform their current core business can create efficiencies to release funds to grow and scale new businesses simultaneously.

In this panel session, we will hear from top industry leaders discussing their opinions and strategies for this purpose, what they have done so far and what will be their energy transition roadmap.
The world is now experiencing unprecedented extreme weather events resulting from global warming – heat waves, floods, wildfires and intense typhoons. It is a clear warning sign that we should act now to move into a low-carbon future. In response to this global warming effects, 136 countries have pledged to net-zero emissions target in alignment with the COP26 commitment.

Each year, more than 35 KMTCO2e of greenhouse gas (GHG) is generated from manufacturing activities; amongst those, 42% is from oil and gas, with 9% coming from oil and gas operations (under scope 1 and 2). To address this issue, oil and gas companies have started to articulate ambitious targets to reduce GHG emissions from their operations and move towards carbon neutrality and net zero-emissions to improve resiliency and sustainability. These targets are challenging and will require oil and gas companies to turn these ambitions into actions through the concept of “Avoid-Mitigate-Offset”. However, this is not an easy task as many inherent complexities are associated with the industry’s decarbonisation, such as technology availability, elevated abatement costs, geographical complication, lack of monetary funds, and limited regulatory support. This also includes the unclear carbon credit schemes, which are insufficient to support decarbonisation costs by producers, and a limited platform to support the offsetting pathways of consumers.

Despite those complexities, oil and gas companies must maximise the use of all available technologies and continue to invest in technological innovation. Collaboration and synergy with companies within the value chain or adjacent business segments can provide win-win solutions to address residue emissions. There is no single technology that can provide the ideal solution; a mixture of various technologies ranging from renewable energy, methane emission reduction, gas flaring and venting, CCUS, and future technologies such as hydrogen and hydrogen fusion, is necessary to effectively contribute to decarbonisation and our net-zero aspiration.

Given the economics and technical challenges for decarbonisation, we believe that starting now - without delay - will lead to a better outcome for the industry in this energy transition.

This panel session aims to discuss the strategic directions and critical drivers towards carbon neutrality, including net-zero, complemented with practical implementations in emissions reduction projects.
As the world is moving towards lower carbon energy, the oil and gas industry plays a vital role in this energy transition. It will change how the industry operates and bring new types of energy and technologies to support business demand. At the same time, our industry needs to attract and retain both the traditional and a new energy workforce for the future.

This energy transition is underpinned by an industry-wide adoption of new, lower-carbon technologies, evolving societal expectations for businesses, the changing demographic profile of future talent, and the importance of reliable and affordable energy for all. These aspects create a fundamental disruption, not just a matter of doing things differently, but one that will also demand new ways of thinking and operating. The mindset is not either-or but a balanced mix of energy that will sustainably provide the world with lower-carbon, reliable and affordable energy.

The challenge for oil and gas companies is defining the right ways to embrace the energy transition and having the right workforce to support it. This panel discussion will explore several topics such as:

- The role of oil and gas companies in the future and how does that redefine our workforce of tomorrow?
- What are some of the most important traits we expect from the future workforce?
- How can we develop a diverse organisation that can effectively navigate energy transition by reducing the knowledge gap between traditional wisdom and the next generation of talents?
- What are the industry’s priorities to prepare, develop and maintain our attractiveness for the future workforce?
- How can we continue to pursue and champion diversity and inclusion in the transition and the future?

A diverse and highly talented workforce has powered our industry, but the future landscape is now changing, and so must we.
The petroleum community is currently experiencing a rapidly growing interest in sustainability, where the energy landscape is anticipated to transition. Many parties within the community aim to reduce their carbon footprints via decarbonisation technologies. Among various pathways towards a low-carbon future, CCUS is deemed by many as the key answer, which builds upon the existing expertise of the petroleum community and represents an effective decarbonisation technology applicable for large-scale deployment in practice. Even though CCUS has gained a lot of attention and support from many governmental and private parties alike, there are still challenges and hurdles that we, as a community, must overcome before CCUS can be utilised to its full potential.

In this panel session, we will discuss perspectives from CCUS trailblazers and practitioners worldwide. We will reflect upon what they have learned and ponder on how we can best move forward as a community with the common goal of a sustainable energy future with CCUS in mind.

This panel session will address and discuss:
• Financial and regulatory challenges to kick-start CCUS initiatives and support their long-term operation
• Roles of carbon mechanism (such as carbon tax, credits, trading) as a potential expediter of CCUS deployment
• Challenges of CO2 sources (petroleum value chain vs. other industrial emitters) and its country of origin (domestic vs. cross-border)
• CCUS potential and technological advancements in view of application in Asia Pacific
• Environmental roadblocks, long-term liabilities and mitigation plans
• Notable risks and public concerns on CCUS applications
• Lessons learned and best practices from successful applications
The rapid evolution of Artificial Intelligence (AI) technology has generated much excitement around its potential to enhance our daily lives. As a result, AI experts are having frequent conversations about the best ways to leverage AI in our society. The human-centred AI approach has emerged out of this dialogue. Human-centred AI is an emerging discipline intent on creating AI systems that amplify and augment rather than displace human abilities. It seeks to preserve human control in a way that ensures artificial intelligence meets human needs while also operating transparently, delivering equitable outcomes, and respecting privacy.

Human-centred AI keeps human input at the centre of the design and building process. This approach takes advantage of the strengths of both humans and machines, enabling them to collaborate in a way that mutually reduces blind spots. Human-centred AI learns from human input and collaboration, focusing on algorithms among a more extensive, human-based system. It is defined by systems continuously improving because of human information while providing a practical experience between humans and machines.

By developing machine intelligence to understand human language, emotion and behaviour, human-centred AI pushes the boundaries of previously limited AI solutions to bridge the gap between machines and humans.

From a business standpoint, human-centred AI solutions leverage human science and qualitative data to understand the deeper needs, aspirations and drivers that underlie customer behaviours in a market.

Advanced contextual analytics combine data and human science to deliver specific behavioural information. When analytics are applied to human behaviours and choices, patterns appear. These contextual analytics combine data and human science to produce dramatically improved and personalised customer experiences. Clear, informed business strategies can be developed when companies know what their customers do and expect.

The dialogue in this session will focus on the differentiation between human-centred and autonomous AI, the business benefits of human-centred AI, and whether it should be considered as a catalyst in digital business transformation as a way forward.
PANEL SESSIONS

Panel Session 6
Revitalising Late Life Assets, Mature Fields and Ageing Facilities
Friday, 3 March 2023 | 1100-1230 hours

Speakers

Sun Fujie
Vice President
CNOOC

Chatit Huayhongtong
President
Chevron Thailand Exploration and Production Ltd.

Colby Fuser
Regional Vice President
Asia Pacific
Halliburton

Laurence Milne
Director - Business Development
Petrofac Facilities Management Limited

Nirandorn Rojanasomsith
Executive Vice President
Production Asset Group
PTT Exploration and Production Public Company Limited

Moderators

Benjamin Choo
Senior Vice President
Wells Engineering and Operations Division
PTT Exploration and Production Public Company Limited

Mohamad Abu Bakar
Head Resource Development – Sabah
Malaysia Petroleum Management
PETRONAS

The prolonged volatility and uncertainties of the oil and gas industry have significantly impacted investment decisions for new and complex field developments with high capital expenditure. Essential oil and gas industry operators have now shifted to lower capital-intensive activities in maximising asset values from existing and matured fields. Operators have also been extending production of late life assets (LLA) while reducing risks and liabilities through innovative production and decommissioning strategies. Shared learnings from current strategies and activities can be adopted to lower risk exposure of future developments.

The current industry challenges have re-energised operators and solution partners to further develop and re-invent technologies and enhance work methodologies to focus on maximising economic and reserve recovery from mature and late-life assets. Continuous improvements have been achieved in operation reliabilities, production efficiencies, production sustainability activities, idle well restoration, applications of Improved Oil Recovery (IOR) and Enhanced Oil Recovery (EOR) methods, and innovation in reducing handling costs in managing sand and water breakthrough from the reservoirs. Novel technologies for flare gas capture and carbon capture and storage (CCS) can be applied to reduce greenhouse gas (GHG) emissions to achieve our net-zero target. Innovative development, operational excellence synergies, clustering approaches, and potential re-use of the decommissioned assets are among the key focus areas that will continuously add value to existing assets, including the development of the Near Field Exploitation (NFE) opportunities in existing hubs/systems.

Mature and late-life assets carry a vast amount of valuable data to identify further opportunities in maximising field values. A lot has been spent on those data. Embracing digitalisation and technologies such as Artificial Intelligence (AI) with advanced predictive analytics, especially in the areas of asset integrity and maintenance, are key enablers for efficient decision-making of the integrated value maximisation process, and to achieve positive Health Safety and Environment (HSE) performance of the asset. However, the current reality shows that AI and advanced analytics still fall short, and companies must put effort into adopting digitalisation and AI technologies widely.

Formulating new commercial or partnership models is also crucial to sustain the appeal of late-life assets. Innovative partnerships and commercial arrangements are important to align with investor expectations in generating interest in late-life assets; starting with contrasting differences in operating environments of traditional assets compared to late-life assets, followed by discussions on available avenues to innovate commercial terms that drive business decisions.

In summary, this session will share knowledge on cost-effective methods to enhance production and reserves recovery, maximise the value of matured and late-life assets, and look at what more can be done. Embracing technological advancement, digitalisation, AI, intelligent decommissioning strategies, and deploying attractive commercial and innovative partnership models are potential breakthroughs for asset sustainability.
PANEL SESSIONS
Panel Session 7
Fuels of the Future
Friday, 3 March 2023 | 1400-1530 hours

Speakers

Li Qun
Senior Specialist
R&D Department
CNPC

Shoichi Kaganoi
Executive Officer
Vice President, Hydrogen and CCUS Development Division
INPEX Corporation

Moderators

Danuwas Lambasara
Vice President Development Planning
PTT Exploration and Production
Public Company Limited

Marwa Hassan
Emissions Product Manager
SLB

As the world is moving toward cleaner and more renewable energy sources and power systems, new solutions are undeniably needed to strike a proper balance in global energy production when decarbonisation has become the international interest. In recent years, the energy sector has drastically increased its focus on sustainability and resilient assets. What is more, stakeholders are increasingly calling for commitments to reduce emissions and transition planning to ensure the stability of future energy supply. Government sectors worldwide also play a more vital role in regulating and pushing their policy toward a greener spectrum, taking carbon taxes as an example. Last but most importantly, consciousness towards environmental protection is widely spreading and ultimately dictating investment decisions.

In the face of changing perspectives on fossil fuels, the petroleum E&P industry must take immediate action to prepare for the future. One immediate action observable is an increase in the shares of natural gas in investment portfolios as it is more resilient than other fossil fuels, primarily because natural gas is among the cleanest fossil fuels available. It is safe to assume that natural gas will be the last step in the energy transition. But that is never enough to keep up with the earthly trend towards greenhouse gas emission reduction. While moving towards cleaner energy, technologies and means to neutralize CO₂ emissions will soon become the norm of natural gas production operation. Carbon capture and utilisation or storage will play a significant part during this interim transition period.

Technologies to replace fossil fuels also exist today and can be perceived to become more and more focused. With a carbon-neutral society finally in sight, delivering energy at zero CO₂ emission will soon put natural gas in the minority. Indeed, the industry will move towards “Fuels of the Future”.

Renewable energy and fuels like hydrogen and other carbon-neutral synthetic sources will pave the way to replace fossil fuels for power generation. Over the following decades, they will become a significant part of the global energy supply portfolio. We can expect other renewable sources like solar, wind, wave, or geothermal to become much more predominant.

It has never been more evident that the energy transition is moving towards future types of fuels. This session will cover these exciting topics, views and discussions about our energy sector’s future.
ASK THE EXPERTS SESSIONS

Ask the Expert Session 1:
The Dual Challenge - Energy and Environment
Wednesday, 1 March 2023 | 1100-1230 hours

The world faces two important and interrelated challenges. Affordable and reliable energy for all and protecting the environment.

The energy-environment challenge is not simple, but it is solvable if we understand and address the complex fabric of energy security, scale of energy demand, physics of energy density, distribution of energy resources, interconnectedness of the land, air, water and atmosphere, and the extreme disparity in global wealth and economic health.

The truth is that there are no good and bad, clean and dirty, renewable and non-renewable energy sources. They all have benefits, and they all have challenges. Climate change is an important issue, but it is not the only environmental issue. Solar and wind are important low-carbon solutions, but they are only part of the solution.

This session will address how we must put our best minds to the task of addressing the dual challenge, working together to better the world.

Speaker

Helge Hove Haldorsen
Senior Fellow
Switch Energy Alliance
ASK THE EXPERTS SESSIONS

Ask the Expert Session 2: Accelerating CCUS through Data and Machine Learning to Support Net-Zero Goals
Thursday, 2 March 2023 | 0900-1030 hours

This session will feature speakers sharing case studies by the Coordinating Committee of Geoscience Programmes (CCOP) and Deep-Time Digital Earth nation members around the region on planning, monitoring and simulating CCUS through data and machine learning.

Topics to be discussed are:

- Geological and engineering challenges
- Analytical aspects of CCUS
- Data management and machine learning
- Case Studies from Asia Pacific, Southeast Asia Projects
- New directions

Speakers

Mike Stephenson
Director
Stephenson Geoscience Consultancy

Yitian Xiao
Chief Artificial Intelligence Research Scientist
Sinopec Research Institute

John Kaldi
Professor and Former CCS Program Director
University of Adelaide

Ellya Saudale
Geologist
Carbon Management

Nopasit Chaiwanakupt
Senior Vice President New Business Division
PTT Exploration and Production Public Company Limited
ASK THE EXPERTS SESSIONS

Ask the Expert Session 3:  
Introduction to CO2 Storage Resources Management System (SRMS)  
Friday, 3 March 2023 | 0900-1030 hours

This session aims to create awareness of the recently published Guidelines for Applications of the CO2 Storage Resources Management System (SRMS). SRMS was developed and sponsored by the world’s foremost industry-focused professional societies, including SPE, AAPG, SEG, SPWLA, EAGE, SPEE and WPC.

The SRMS guidelines include suggestions for the application of the SRMS and include details of the processes of quantification, categorisation, and classification of storable quantities of CO2 so that the subjective nature of subsurface assessments can be consistent between storage resource assessors. The guideline was proposed in 2017, and formally accepted by the sponsoring organisations in 2021. Modelled on the Petroleum Resource Management System (PRMS), the SRMS guidelines is aimed at making the development of storage resources clearer by drawing parallels with the well-known and well-understood process of maturing petroleum resources.

Although a voluntary system, the intent is that regulators, government departments and financiers will be able to draw upon the experience of managing petroleum resources to advise on the management of carbon dioxide storage resources. Geological storage of CO2 can be in geologic structures or in regionally extensive dipping geologic formations. Inherent in storage is that displaced fluids are managed. The storage mechanisms are geologic, residual, solubility, and mineral trapping.

Speaker

John Kaldi  
Professor and  
Former CCS Program Director  
University of Adelaide
ASK THE EXPERTS SESSIONS

Ask the Expert Session 4: Role of Geoscience in the Energy Transition
Friday, 3 March 2023 | 1100-1230 hours

The global energy system is perceiving progressive transformation as world leaders look to transiting into a carbon-neutral future. As such, we are facing an inflection point in the energy transition. The intensifying of the world’s ambition to achieve net zero by 2050 at COP26 and the changing of geopolitical scenarios made the challenge even greater, resulting in the price of energy and other commodities to surge across the globe.

We are at the energy inflection point, and world leaders, together with industry and academia, must develop new strategies and technologies to be implemented for the pursuit of critical energy goals to remain on track. In these turbulent times, geoscientists and engineers will shape the contours of our energy future. They have a major role to play in many realities, from understanding the power of energy policy-making and new energy security challenges, developing new technologies for minimising decarbonisation costs, extracting fossil fuel while minimising the carbon impact, and developing a future-ready workforce. This session will deep-dive into the role of geoscientists and engineers in the energy transition, technological innovations and environmental concerns.

Speaker

Sanjeev Rajput
Head and Custodian
Reservoir Geoscience, Upstream
PETRONAS
TECHNICAL AND KNOWLEDGE SHARING ePOSTER SESSIONS

More than 300 technical presentations across a vast variety of technical topics will be presented at the Technical and ePoster Sessions.

Topics include:
• Advancements in Completion Technology
• Advancements in Drilling Technology
• Artificial Lift
• Asset Life Cycle Maintenance and Integrity
• Big Data Applications and AI
• Carbon Footprint Reduction
• CCS and Contaminants
• CCS Strategy and Studies
• Challenges in Well Completion
• Challenges in Well Construction
• Challenges of CCS Development in Brownfield Assets
• Considerations for Environmental Challenges
• Engineering, Construction and Commissioning
• Facilities Engineering and Processing
• Flow Assurance
• Fluids and Cementing
• Geophysical Data Acquisition, Processing and Interpretation
• Geophysical Imaging and Inversion
• Geoscience Modelling I
• Geoscience Modelling II
• Green Technology and Future Energy
• Innovation and Machine Learning I
• Innovation and Machine Learning II
• Integrated Reservoir Geoscience
• Integrated Reservoir Engineering
• IOR/EOR Field Applications
• IOR/EOR Studies
• IR 4.0 Adoption
• Operation Facility Management
• Optimisation of Well Planning and Execution Completions
• Optimisation of Well Planning and Execution Drilling
• Overarching Themes
• Petroleum System Elements and Future Potential
• Petrophysics and Formation Evaluation
• Production Engineering: Stimulation
• Project Management and Value Engineering
• Regional Tectonics, Structures and Stratigraphy
• Reservoir Management
• Reservoir Studies/Simulation
• Sustainability Design and Operation
• Unconventional Development, Stimulation, Drilling and Completion
• Well Conformance
• Well Data Analytics and Automation
• Well Integrity and Production Monitoring
• Well Integrity and Well Intervention

Access the full technical programme
https://2023.iptcnet.org/iptc-programme-schedule

Harness the Power of Light

Optiq
Schlumberger fiber-optic solutions

Don’t make decisions in the dark. Obtain multidomain measurements at the speed of light using Optiq fiber-optic solutions. Deployed on coiled tubing, wireline, slickline, fiber-optic electrical cable, or even your existing installed fiber optics, Optiq solutions unlock a wide range of applications across the energy industry—from oil and gas, carbon capture and sequestration, and geothermal energy production. Using unique end-to-end workflows, these solutions enable you to process data up to 18x faster than the industry standard for in-time decision making.

Included in the Optiq solutions family, the Optiq Seismic fiber-optic borehole seismic solution is part of our Transition Technologies portfolio and has been qualified to drastically reduce deployment time and impact on marine mammals.

Find out more at slb.com/Optiq

Optiq Seismic solution
4,000+ hours
RIG TIME SAVED
15,000+ metric tons of CO2eq
EMISSIONS PREVENTED

Schlumberger
DEVELOPMENT ACTIVITIES

Emerging Leaders Workshop

Young Leaders Roadmap for Energy Transition and Beyond

Thursday, 2 March 2023 | 0800-1800 hours

The Emerging Leaders Workshop is a programme designed for Young Professionals (YPs) under the age of 35 or with less than 10 years of experience in the energy industry. This programme offers participants a great opportunity to network with industry experts and to discuss their perspectives on how to energise the industry.

The unique landscape of the energy transition demands a new type of leader, equipped with skills in collaboration, innovation and adaptability. The IPTC 2023 Emerging Leaders Workshop, themed “Young Leaders’ Roadmap Towards Energy Transition and Beyond”, is designed to establish the next generation of leaders. The workshop aims to cover the hard and soft skills necessary for a sustainable transition, how existing skillsets might be repurposed, and what role E&P leaders will play in a net-zero world. During the workshop, young professionals and industry experts will have the opportunity to exchange views, collaborate and contribute towards the roadmap, while senior leaders will share their knowledge and wisdom with attendees. Finally, the workshop will provide a timely opportunity for participants from various backgrounds and disciplines to exchange their experiences and to network.

Opening Remarks

Montri Rawanchaikul
Chief Executive Officer
PTT Exploration and Production Public Company Limited

Keynote Address

Amy Chua
President, Asia
SLB

PRELIMINARY AGENDA

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800 – 0830 hours</td>
<td>Arrival of Delegates</td>
</tr>
<tr>
<td>0830 – 0845 hours</td>
<td>Welcome Remarks</td>
</tr>
<tr>
<td>0845 – 0900 hours</td>
<td>Opening Remarks</td>
</tr>
<tr>
<td>0900 – 0945 hours</td>
<td>Keynote Address and Q&amp;A</td>
</tr>
<tr>
<td>0945 – 1015 hours</td>
<td>Ice Breaker</td>
</tr>
<tr>
<td>1015 – 1100 hours</td>
<td>Group Photo and Coffee Break</td>
</tr>
<tr>
<td>1100 – 1230 hours</td>
<td>Panel Session: Reshaping the Future Together</td>
</tr>
<tr>
<td>1230 – 1400 hours</td>
<td>Lunch</td>
</tr>
<tr>
<td>1400 – 1615 hours</td>
<td>Mentoring Session</td>
</tr>
<tr>
<td>1615 – 1630 hours</td>
<td>Closing Remarks</td>
</tr>
<tr>
<td>1630 – 1800 hours</td>
<td>Networking Reception</td>
</tr>
</tbody>
</table>

Access full programme
https://2023.iptcnet.org/development-programmes/emerging-leaders-workshop

SEATS ARE LIMITED | Register before 23 January 2023 for Early Bird Savings
Energy Education: University Student Programme
Monday to Friday, 27 February - 3 March 2023

At each IPTC event, final-year undergraduate science, geoscience and engineering students from around the world are invited to participate in IPTC’s Energy Education activities. This programme aims to give university students a clear insight into the industry they are about to join; to allow them to return to their universities and colleges with a positive story to relate to their fellow students and to provide opportunities for students to form new friendships. The programme also provides students with the opportunity to interact with a number of major industry employers who are looking to recruit the best talent from institutions around the world.

Energy Education Workshop: Energy4Me
Friday, 3 March 2023

The Energy Education Workshop aims to deliver educational resources to educators by providing appropriate, age-specific curriculum materials and industry career recruitment materials. The programme values the roles teachers and energy professionals play in educating young people about the importance of energy and believes in the importance of giving teachers the tools they need to comfortably teach students on energy choices and careers. There will be hands-on activities to provide educators with interactive, age-appropriate experiments, using basic household items that illustrate energy concepts. Teachers will also be provided with a technology tour of the exhibition area, allowing them to explore the mechanisms behind some of the key processes in oil and gas exploration and production and connect them to Science, Technology, Engineering and Mathematics (STEM) subjects they teach.

PRELIMINARY PROGRAMME

Monday, 27 February 2023
Students Arrival, Briefing, and Welcome Dinner

Tuesday, 28 February 2023
Field Trip to PTTEP Technology and Innovation Center (PTIC)

Wednesday, 1 March 2023
Attend IPTC 2023 Conference Sessions

Thursday, 2 March 2023
Attend Emerging Leaders Workshop

Friday, 3 March 2023
Attend Energy Education Workshop and Closing Session

Access full programme

Access full programme
https://2023.iptcnet.org/development-programmes/energy-education-workshop
TRAINING COURSES

Basics of CCUS
Tuesday, 28 February 2023 | 0900 – 1700 hours
Course Instructor: Professor Mike Stephenson, Executive Chief Scientist and Director of Science and Technology, British Geological Survey

Course Objectives
This course aims to provide attendees with the basics of CCS within the context of earth system science. Key topics are:
- The role of CCS within decarbonisation as an aspect of earth system science
- Why CCS is necessary
- How CO2 is captured in industrial processes and how it can be used industrially
- The factors affecting geological storage
- How CO2 stores are monitored for leakage
- How CCS will pay for itself
- Public views and public acceptance of CCUS

Click Here for more information

Seismic Uncertainty Evaluation
27 - 28 February 2023 | 0900 – 1700 hours
Course Instructor: Manish Agarwal, Founder and Principal Geophysicist, Applied Geoscience

Course Objectives
The course covers the assessment, quantification, and qualification of the seismic uncertainties in a systematic and technical manner in order to arrive at a risking scorecard. This course is beneficial to interpreters in supporting a phased approach to ensure seismic and interpretation leading to a successful well placement.

Click Here for more information

EAGE
Upscaling and Artificial Intelligence-Based Proxies for Uncertainty Assessment of Reservoir Production
Tuesday, 28 February 2023 | 0900 – 1700 hours
Course Instructor: Dr. Dominique Guérillot, Professor, Texas A&M University

Course Objectives
This course aims to recap main techniques required to build an integrated reservoir model, and to explain different potential workflows for field development and/or history matching processes. This course will include explanations of upscaling techniques and the use of proxies for uncertainty assessment of production forecasts. All these methods will be illustrated and applied to the Brugge case.

Click Here for more information
https://learninggeoscience.org/local/pages/?id=459

EOR Polymer Flooding - Latest Updates from Screening to Implementation
28 February 2023 | 0900 – 1700 hours
Course Instructor: Jan Nieuwerf, EOR Commercial Manager, SNF

Course Objectives
This course will provide the participants with a more in-depth knowledge of:
- EOR screening and justification
- Impact on CO2 and GHG reduction of polymer flooding vs water flooding
- EOR project management
- Subsurface simulation and polymer flood design
- Polymer selection considerations, screening, and applicability
- Injection facilities considerations and design
- Polymer flood operations

Click Here for more information

SEATS ARE LIMITED
Register before 23 January 2023 for Early Bird Savings
## LIST OF EXHIBITORS

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abdullah A. Al Barrak &amp; Sons Co.</td>
<td>C27</td>
</tr>
<tr>
<td>AspenTech Subsurface Science &amp; Engineering</td>
<td>P05</td>
</tr>
<tr>
<td>C&amp;C Reservoirs</td>
<td>A27</td>
</tr>
<tr>
<td>Carbo</td>
<td>A28</td>
</tr>
<tr>
<td>CDI Energy Products Pte Ltd</td>
<td>P15</td>
</tr>
<tr>
<td>ChampionX Corporation</td>
<td>B25</td>
</tr>
<tr>
<td>Citadel Casing Solutions</td>
<td>P03</td>
</tr>
<tr>
<td>EEST Energy Services (Thailand) Limited</td>
<td>E17</td>
</tr>
<tr>
<td>Eliis</td>
<td>D17</td>
</tr>
<tr>
<td>Eneroi Offshore Drilling Ltd</td>
<td>B27</td>
</tr>
<tr>
<td>Expro Overseas Inc.</td>
<td>C25</td>
</tr>
<tr>
<td>Geolog International B.V.</td>
<td>H25</td>
</tr>
<tr>
<td>Geoteric</td>
<td>H27</td>
</tr>
<tr>
<td>Geowell Sdn Bhd</td>
<td>G25</td>
</tr>
<tr>
<td>Hunting Energy Services</td>
<td>A22</td>
</tr>
<tr>
<td>Impact Fluid Solutions</td>
<td>A25</td>
</tr>
<tr>
<td>Innovation Technical Solutions SAOC-INNOVATEQ</td>
<td>H28</td>
</tr>
<tr>
<td>JOGMEC</td>
<td>F09</td>
</tr>
<tr>
<td>MISC Berhad</td>
<td>E09</td>
</tr>
<tr>
<td>Nouryon Surface Chemistry Pte Ltd</td>
<td>B28</td>
</tr>
<tr>
<td>NOV</td>
<td>A09</td>
</tr>
<tr>
<td>Petroleum Experts Limited</td>
<td>D09</td>
</tr>
<tr>
<td>Petromas Nasional Berhad (PETRONAS)</td>
<td>A01</td>
</tr>
<tr>
<td>PGS Exploration UK Limited</td>
<td>A17</td>
</tr>
<tr>
<td>PTT Exploration and Production Public Company Limited</td>
<td>C01</td>
</tr>
<tr>
<td>RESMAN</td>
<td>A26</td>
</tr>
<tr>
<td>Rock Flow Dynamics</td>
<td>F21</td>
</tr>
<tr>
<td>Saudi Aramco</td>
<td>G01</td>
</tr>
<tr>
<td>Shanghai Wangyuan Instruments of Measurement Co. Ltd.</td>
<td>G27</td>
</tr>
<tr>
<td>SLB</td>
<td>C09</td>
</tr>
<tr>
<td>SNF</td>
<td>C28</td>
</tr>
<tr>
<td>Solvay Specialty Chemicals Asia Pacific Pte Ltd</td>
<td>A23</td>
</tr>
<tr>
<td>Sonomatic SEA Sdn Bhd</td>
<td>D21</td>
</tr>
<tr>
<td>Thai Benkan Co., Ltd</td>
<td>P01</td>
</tr>
<tr>
<td>Thunder Cranes Sdn Bhd</td>
<td>A21</td>
</tr>
<tr>
<td>Weatherford</td>
<td>B09</td>
</tr>
<tr>
<td>Welltec A/S</td>
<td>F17</td>
</tr>
<tr>
<td>Wuhan Linmei Head Plate Co., Ltd</td>
<td>G28</td>
</tr>
</tbody>
</table>

Check out the exhibition floor plan online
Click here
SPONSORSHIP AND EXHIBITION OPPORTUNITIES

At IPTC, your organisation will have the opportunity to convene with the energy industry’s multi-disciplinary professionals, network with key stakeholders, and promote your pioneering technologies to a global audience.

Showcase Your Expertise to a Global Audience
Showcase your organisation’s expertise, services and solutions to global oil and gas experts, as well as key decision-makers at IPTC 2023.

<table>
<thead>
<tr>
<th>SHOWCASE your organisation’s brand and image to thousands of attendees</th>
<th>INTRODUCE and PROMOTE your expertise, services, and solutions</th>
<th>MEET and INTERACT with prospective clients and key buyers from across the globe</th>
<th>CREATE and STRENGTHEN new and existing business relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>NETWORK with fellow peers and industry players</td>
<td>APPEAR alongside international and local industry leaders</td>
<td>SUPPORT cutting-edge innovation in energy</td>
<td>Strategically located in a MAJOR ENERGY HUB for Asia</td>
</tr>
</tbody>
</table>

To secure your sponsorship package and exhibit space, contact:

**Nick Chantrell**
Senior Sales Manager – Asia Pacific

* nchantrell@iptcnet.org
* +603 2182 3145

**Click for Sponsorship Opportunities**

**Click for Exhibition Opportunities**
# Registration Categories and Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee Per Person</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Early Bird by 23 January 2023</td>
</tr>
<tr>
<td><strong>Full Conference</strong></td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>USD 1,050</td>
</tr>
<tr>
<td>Non-Member</td>
<td>USD 1,200</td>
</tr>
<tr>
<td>Speaker / Author / Committee / Session Chair</td>
<td>USD 900</td>
</tr>
<tr>
<td><strong>Student</strong> (With valid Student ID only)</td>
<td>Complimentary</td>
</tr>
<tr>
<td>Emerging Leaders Workshop (2 March 2023)</td>
<td>USD 50 (Complimentary for Full Conference registration)</td>
</tr>
<tr>
<td><strong>AAPG Training Course: Basics of CCUS</strong> (28 February 2023)</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>USD 650</td>
</tr>
<tr>
<td>Non-Member</td>
<td>USD 750</td>
</tr>
<tr>
<td><strong>EAGE Training Course: Upscaling and Artificial Intelligence-Based Proxies for Uncertainty Assessment of Reservoir Production</strong> (28 February 2023)</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>USD 650</td>
</tr>
<tr>
<td>Non-Member</td>
<td>USD 750</td>
</tr>
<tr>
<td><strong>SPE Training Course: EOR Polymer Flooding - Latest Updates from Screening to Implementation</strong> (28 February 2023)</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>USD 650</td>
</tr>
<tr>
<td>Non-Member</td>
<td>USD 750</td>
</tr>
<tr>
<td><strong>SEG Training Course: Seismic Uncertainty Evaluation</strong> (27-28 February 2023)</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>USD 1,200</td>
</tr>
<tr>
<td>Non-Member</td>
<td>USD 1,400</td>
</tr>
</tbody>
</table>

**GROUP REGISTRATION AVAILABLE**
Register 5 save 10%, Register 10 save 20%

For any registration enquiries, email iptcreg@iptcnet.org
GENERAL INFORMATION

Venue
Bangkok Convention Centre at CentralWorld
999/99 Rama 1 Road, Pathumwan, Bangkok 10330
Thailand
📞 +66 2 100 1234
🔗 Click here

Airport
Travellers arrive in Bangkok, Thailand at the Suvarnabhumi International Airport (BKK) and Don Mueang International Airport (DMK). Both airports are approximately 30 minutes by car from Bangkok Convention Centre at CentralWorld. Event attendees may arrange for ground transfers with their selected hotels or secure a taxi at the arrival hall.

Badge Collection
Event badges can be collected during the event at the venue. Badges are required for admission into the event and must be worn at all times during event days.

Photography and Audio Visual Copyright
All conference sessions and the exhibition/technical showcase are protected by international copyright laws. Photography and video/audio recording of any kind in conference sessions and the exhibition are prohibited without prior written permission by IPTC.

Visa
Event attendees travelling to Bangkok, Thailand must be in possession of passports valid for at least six (6) months with proof of onward passage out of the country. Visa requirements depend on the country of origin. Please check with your travel agent, or the Thailand Embassies, High Commissions or Consulates on regulations relating to immigration/visa before your departure.

An invitation letter to facilitate the application of visa will be issued to registered attendees if required. Please download the letter of invitation request form. Please send the request to Faezah Saaban.

Please note that it is the sole responsibility of the attendee to obtain the necessary supporting document(s) for entry into Bangkok, Thailand. The invitation letter does not guarantee that you will be granted a visa.

Accommodation
The following hotels are within proximity of the event. All accommodation and hotel bookings are to be made directly with the hotels.

Centara Grand at CentralWorld
999/99 Rama 1 Road, Pathumwan, Bangkok 10330
Thailand
🔗 Click here

Online Booking: Click here
Booking Deadline: 31 January 2023

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Price (THB)</th>
<th>Single</th>
<th>Double/Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deluxe Room</td>
<td>THB 4,600++</td>
<td>THB 5,000++</td>
<td></td>
</tr>
<tr>
<td>Club Deluxe</td>
<td>THB 4,900++</td>
<td>THB 5,300++</td>
<td></td>
</tr>
<tr>
<td>Junior Suite</td>
<td>THB 6,200++</td>
<td>THB 6,800++</td>
<td></td>
</tr>
<tr>
<td>Club Suite</td>
<td>THB 7,200++</td>
<td>THB 7,800++</td>
<td></td>
</tr>
<tr>
<td>Superior Room</td>
<td>THB 10,200++</td>
<td>THB 10,800++</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- All accommodation and hotel bookings are to be made directly with the hotel.
- Rates are based on per room per night and are inclusive of daily buffet breakfast for one (1) or two (2) persons.
- Rates are subject to 10% service charge and 7% applicable government tax (currently).
- Rates are inclusive of internet access in room.
- Cancellation or shorten stay notified before 21 January 2023 will charged for one-night. Cancellation charge for entire stay will be charged for cancellation after 21 January 2023.
- For no show, the hotel reserves the right to charge your credit card for entire stay as original reserved.

Siam Kempinski Hotel Bangkok
991/9 Rama 1 Road, Pathumwan, Bangkok 10330
Thailand
🔗 Click here

Online Booking: Click here
Booking Deadline: 31 January 2023

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Price (THB)</th>
<th>Single</th>
<th>Double/Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deluxe Room</td>
<td>THB 6,500++</td>
<td>THB 7,000++</td>
<td></td>
</tr>
<tr>
<td>Premier Room</td>
<td>THB 7,100++</td>
<td>THB 7,600++</td>
<td></td>
</tr>
<tr>
<td>Executive Balcony Room</td>
<td>THB 10,800++</td>
<td>THB 11,300++</td>
<td></td>
</tr>
<tr>
<td>Executive Room</td>
<td>THB 17,500++</td>
<td>THB 18,000++</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- Rates are exclusive of 10% service charge and 7% applicable government tax.
- A charge will be applied for extra bed for the third person of THB 2,890++ per room per night.
- Room types are availability based on first-come first-served and subject to availability.
- Room rates are inclusive of breakfast at hotel’s restaurant.
- Complimentary wired internet and Wi-Fi access.
- Complimentary daily refillable mini bar including soft drinks, local beers and snacks.
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 technologies 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, sustainability, the energy transition, HR and training.

Sponsorship & Exhibition Enquiries:
Nick Chantrell, Senior Sales Manager, Asia Pacific
Email: nchantrell@iptcnet.org
Tel: +60 3 2182 3145

General Enquiries
Email: iptc@iptcnet.org
Tel: +60 3 2182 3000
Fax: +60 3 2182 3030