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SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition

Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence

12-14 October 2021 | Virtual

go.spe.org/21APOGC

Conference Programme



Circular Carbon Economy

“ Circular Carbon Economy is an approach to Reuse, Recycle, Reduce and Remove carbon emissions. This allows a resilient and sustainable energy system while limiting carbon footprints. In line, Pertamina captures, stores and utilizes carbon emissions in supporting Enhanced Oil Recovery (EOR) and Enhanced Gas Recovery (EGR) in several oil and gas fields.

Here is the moment where technical initiatives meet corporate goodwill. A positive collaboration to give back to environment, thus to national energy resilience. ”

Pertamina, energizing the environment, energizing you.



Pertamina through its upstream subsidiaries all over Indonesia has implementing various programs to reduce carbon emissions in the most of all oil and gas facilities. These acts are also include the newest and breakthrough technology implementation such as gas venting commercialization, energy management system, flare gas optimization, etc., that not only give added values to the company but also showing care to the environment.

Welcome to the virtual **SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition (APOGCE) 2021**, 12-14 October 2021.

The COVID-19 crisis is arguably one of the most challenging and unlike any other. The oil and gas industry will continue to pivot and transform to thrive under these circumstances. Through adaptation to disruptive trends, and adoption of emerging technologies and sustainable practices, companies will need to collaborate, become more efficient and consider shifting to excel in the evolving energy sector and impacted business environment.

Themed “**Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence**”, APOGCE 2021 gathers regional and global distinguished leaders, subject matter experts, technical professionals and practitioners across the energy value chain to share the latest technical know-hows, best practices and innovative applications. The APOGCE 2021 provides an instrumental platform for participants to gain up-to-date, industry knowledge through a comprehensive programme.

On behalf of SPE, IATMI and the organising committees, we thank you for your support and participation.

Sincerely,



Budiman Parhusip
APOGCE 2021 Advisory Committee Chair
 Chief Executive Officer
PT Pertamina Hulu Energi

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** This Conference Programme is updated as at 8 October 2021*



SKK Migas is proud to be the Official Supporter of the SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition (APOGCE) 2021.

APOGCE is the regional flagship event for the SPE (Society of Petroleum Engineers) and IATMI (Society of Indonesian Petroleum Engineers), its presence and history in Indonesia and the region has cemented its status as one of the foremost energy industry event in Asia Pacific that brings together energy companies and technical professionals for information exchange and technology transfer.

As the industry weathers through a myriad of unprecedented challenges, uncertainties and emerging trends, APOGCE 2021 with the theme “Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence”, will explore industry transformation and new sustainable practices, which will be at the forefront of the energy industry for the foreseeable future.

SKK Migas looks forward to the technical and business exchange that will take place at APOGCE as regional and international industry leaders and professionals come together to examine the critical issues faced by the industry today. We surely hope that the discussion will enrich Indonesia’s upstream oil and gas strategy to reach 1 million BOPD, 12 BSCFD gas by 2030. We trust you will leverage this opportunity to network and exchange insights with other attendees.

We are pleased to welcome you to the virtual SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition (APOGCE), 12-14 October 2021.

A collaborative effort between SPE and IATMI, APOGCE has successfully established itself as the premier upstream technical event in the Asia Pacific region since 1999. The event provides a platform for leading policy makers, industry experts and academics, to share their views on a wide range of strategic and technical multidisciplinary topics.

The theme is “Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence”. The oil and gas industry is expected to relentlessly pursue transformation through improved efficiencies, productivity and sustainability. By adapting to the current climate, the industry can continue to strive and ensure opportunities available are seized.

We appreciate and thank the efforts and collaboration of our industry and its leaders in supporting this inclusive opportunity to bring the industry together through technology to share and discuss the latest insights on the challenges and opportunities ahead.

Thank you and I wish all participants a productive conference.



Dwi Soetjipto
Chairman
SKK Migas



Henricus Herwin
**APOGCE 2021
Conference Chair**
Vice President
Upstream Business
Development
PT Pertamina Hulu Energi



David Tobing
**APOGCE 2021
Technical Programme
Committee Chair**
Senior Manager
Production and
Project Zone 11
PT Pertamina EP Cepu



Committees

Conference Advisor

Budiman Parhusip
Chief Executive Officer
PT Pertamina Hulu Energi

Advisory Committee

Hendra Jaya
Criterion Group

Craig Stewart
Medco Energi Internasional

Trijana Kartoatmodjo
Trisakti University

Salis Aprilian
Digital Energy Asia

Ida Yusmiati
PT Pertamina (Persero)

Bambang Istadi

Ignatius Tenny Wibowo
Medco E&P Indonesia

John Hisar Simamora
PT Pertamina Hulu Energi

Priyambodo Mulyosudirjo

Conference Chair

Henricus Herwin
Vice President
Upstream Business Development
PT Pertamina Hulu Energi

Technical Programme Committee

Chair

David Tobing
Senior Manager Production & Project Zone 11
PT Pertamina EP Cepu

Co-Vice Chairs

Tubagus Reggie Rachman
Manager Resources Development -
New Field
Medco E&P Natuna

Fierzan Muhammad
Manager Subsurface
PETRONAS Carigali Indonesia

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Manabesh Chowdhury
Antelopus Energy Pvt. Ltd.

Hangyu Li
China University of Petroleum (East China)

Ngurah Beni Setiawan
Digital Energy Asia

Kevin Lay
AWT International

Zhiyuan Wang
China University of Petroleum (East China)

Mrinal Vohra
Expro Group

Ahmadreza Younessi
Baker Hughes

Zhiming Chen
China University of Petroleum at Beijing

Hanifatu Avida Romas
ExxonMobil Indonesia

See Hong Ong
Baker Hughes

Agung Cahyono
CORELAB|Owen Oil Tools Division

Kirill Ovchinnikov
Geosplit LLC

Asep K. Permadi
Bandung Institute of Technology

Ludovic Ricard
CSIRO

Jason Kok Chin Hwa
Grit Energy

Eddie Martono
Boston Consulting Group

Dipak Mandal
Dialog Group Berhad

Nicholas Paris
Harbour Energy



Committees

Technical Programme Committee (continued)

Members

Eric Delamaide
IFP Technologies (Canada) Inc.

Anup Viswanathan
Independent

Muhammad Shafiq Shahrul Amar
Independent

Tomaso Umberto Ceccarelli
Independent

Takaaki Uetani
INPEX

Shidong Li
Institute of Chemical and Engineering Sciences, A*STAR

David G. Kersey
Kersey Consulting

Edi Rahmat
Kuwait Oil Company

Handita Sutoyo
Medco EP Indonesia

Shankar Bhukya
NOV Grant Prideco™

Prady Chaliha
Osaka Gas Australia

Anak Bt Karim
PETRONAS

Mohd Faizal Sedaralit
PETRONAS

Luky Hendraningrat
PETRONAS

Nor Idah Kechut
PETRONAS

Kiang Fei Ng
PETRONAS

Raj Deo Tewari
PETRONAS

Syahezat Ismail
PETRONAS

Sulaiman Sidek
PETRONAS Carigali Sdn. Bhd.

Yvonne Tan Yeen Voon
PETRONAS Carigali Sdn. Bhd.

Chee-Phuat Tan
PETRONAS Research Sdn. Bhd.

Medianestrian
Premier Oil

Yusuf A. Praditya
Premier Oil

Sophia Kangan
PT Pertamina

Farasdaq Sajjad
PT Pertamina Hulu Energi

Jufrihadi
PT Pertamina Hulu Energi

Fitrah Arachman
PT Pertamina Hulu Energi Offshore North West Java

Musyoffi Yahya
PT Pertamina Hulu Indonesia

Raam Krisna
PT Pertamina Hulu Indonesia

Arasy Az Zariat
PT Pertamina Hulu Mahakam

Bonifasius Muryanto
PT Pertamina Hulu Mahakam

Iswahyuni Fifthana Hayati
PT Pertamina Hulu Mahakam

Meita Silaban
PT Pertamina Hulu Rokan

Alfino Harun Lubis
PT Pertamina Internasional EP

Anwarudin Saidu Mohamed
Reservoir Link Energy Berhad

Jin Xu
RIPED, CNPC

Vijay Krishnan
Rystad Energy Asia Pacific

Euver Enrique Naranjo Penaloza
Santos Ltd.

Alexey Ruzhnikov
Schlumberger

I Putu Gede Putra Arcana
Schlumberger

Long Jiang
Schlumberger

Shripad Biniwale
Schlumberger

Ching Tu
Schlumberger – WesternGeco

Jack Harfoushian
Schlumberger Australia

John (Jonggeun) Choe
Seoul National University

Afriandi Eka Prasetya
SKK Migas

Alfandra Ihsan
SKK Migas

Satria P. Kauripan
SKK Migas

Elie Daher
United Safety International FZ -LLC

Mohammed Abdalla Ayoub Mohammed
Universiti Teknologi PETRONAS

Omar Al-Fatlawi
University of Baghdad

Fikri Irawan
Weatherford

Andrew Harwood
Wood Mackenzie



Committees

Conduct Committee

Advisor

Andi Bachtiar
Project Expert
PT Pertamina Hulu Energi

Chair

Novie Hernawati
Quality and Strategic Marketing
Schlumberger

Vice Chair

Farah Dewi
Corporate Secretary
PT Pertamina Hulu Indonesia

Members

Andi Soelistyadi
Imeco Inter Sarana

Dwandari Ralanarko
PT Pertamina Hulu Energi OSES

I Putu Gede Putra Arcana
Schlumberger

Ferita Damayanti
PT Chevron Pacific Indonesia

Arasy Az Zariat
PT Pertamina Hulu Mahakam

Reza Musa
Schlumberger

Iqbal Fauzi
PT Pertamina E&P

Abdul Jabar
Schlumberger

Waras Budi Santosa
SKK Migas

**GET
INVOLVED.
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CONNECTED.
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INFORMED.**

Who We Are

SPE is a not-for-profit professional association supporting more than 140,600 members in 144 countries.

Why Join or Renew

Connect with the E&P industry's brightest minds through SPE's global network of knowledge for every stage of your career.

What You Get

Access to SPE's vast collection of technical resources and networking channels to assist with your challenges.

JOIN OR RENEW TODAY!



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Virtual Conference Programme Schedule (The conference is scheduled in local Jakarta time; UTC/GMT +7)

UTC/GMT +7	Stream 1	Stream 2	Stream 3
Tuesday, 12 October 2021			
0900 - 1000 hours	Opening and Keynote Session		
1000 - 1030 hours	Break		
1030 - 1130 hours	Panel Session 1 Adapting to Oil and Gas Digitalisation	Technical Session 1 Value of Information and Experience	Technical Session 2 Advancements in EOR/IOR I
1130 - 1300 hours	Break		
1300 - 1400 hours	Special Session 1 Machine Learning and Artificial Intelligence in Subsurface	Technical Session 3 Deepwater and Well Abandonment	Technical Session 4 Facilities and Operations I
1400 - 1430 hours	Break		
1430 - 1530 hours	Panel Session 2 Big Oil to Big Energy: Towards Energy Transition	Technical Session 5 Digitalisation and Automation Field Development	Technical Session 6 Matrix Stimulation
1530 - 1600 hours	Break		
1600 - 1700 hours	Technical Session 7 Regional Focus	Technical Session 8 Well Construction I	Technical Session 9 Artificial Intelligence Production Engineering
Wednesday, 13 October 2021			
0830 - 1000 hours	Executive Plenary Session Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence		
1000 - 1015 hours	Break		
1015 - 1115 hours	Panel Session 3 Rethinking Collaboration in the Oil Industry in Times of Volatility and Disruption	Technical Session 10 Innovative Well Intervention - Case Studies	Technical Session 11 Gas Technology and Supply
1115 - 1245 hours	Break		
1245 - 1345 hours	Project Session 1 Pertamina Projects	Technical Session 12 Sand Control	Technical Session 13 Artificial Intelligence Reservoir Study
1345 - 1400 hours	Break		
1400 - 1500 hours	Panel Session 4 Mature Fields Sustainability and Marginal Resources Development and Operations	Technical Session 14 Digitalisation and Automation Success Story	Technical Session 15 Facilities and Operations II
1500 - 1530 hours	Break		
1530 - 1630 hours	Technical Session 16 Improving Business Processes in Unprecedented Times	Technical Session 17 Well Construction II	Technical Session 18 Artificial Lift
1630 - 1730 hours	Technical Session 19 Production Enhancement	Technical Session 20 More E in HSE	Technical Session 21 Optimised Solutions for Unconventional
Thursday, 14 October 2021			
0900 - 1000 hours	Panel Session 5 People and Talent Management	Technical Session 22 Oil and Gas Projects Case Studies	Technical Session 23 Advancements in EOR/IOR II
1000 - 1030 hours	Break		
1030 - 1130 hours	Technical Session 24 Well Construction III	Technical Session 25 Artificial Intelligence Drilling and Others	
1130 - 1300 hours	Break		
1300 - 1400 hours	Panel Session 6 Critical Investment Strategies for Rebuilding a Robust Industry	Technical Session 26 Digitalisation and Automation Production Enhancement	Technical Session 27 Fracing - Multi-Stage Fracing
1400 - 1430 hours	Break		
1430 - 1530 hours	Special Session 2 Challenges and Opportunities in Development of Unconventional Resources	Technical Session 28 Surface and Sub-surface Integration and Optimisation	Technical Session 29 Facilities and Operations III
1530 - 1600 hours	Break		
1600 - 1700 hours	Technical Session 30 Simulation and Modelling	Technical Session 31 Innovations in Reservoir Characterisation	



General Information

Event Hours

Please note that the event is scheduled in Jakarta local time (GMT/UTC +7 time zone).

Date	Time
Tuesday, 12 October	0900-1800 hours (UTC +7)
Wednesday, 13 October	0830-1800 hours (UTC +7)
Thursday, 14 October	0900-1800 hours (UTC +7)

Code of Conduct

SPE is committed to providing a professional, friendly and safe environment for all participants at its events, regardless of gender, sexual orientation, disability, race, ethnicity, religion, national origin or other protected class.

This code of conduct outlines the SPE expectations for all participants, including attendees, speakers, vendors, media, exhibitors, sponsors and volunteers. Cooperation is expected from everyone, and SPE will actively enforce this code throughout this event.

Participants will be provided with personalised credentials allowing them access to the virtual event. These credentials are personal and non-transferable. Non-registered individuals and minors will not be able to access the virtual event, unless upon prior agreement with SPE.

SPE expects all event participants to help ensure a safe and positive experience for everyone. Unacceptable behaviour will not be tolerated during any portion of a meeting or event. Unacceptable behaviour includes but is not limited to:

- Intimidating, harassing, abusive, discriminatory, derogatory or demeaning speech or actions.
- Harmful or prejudicial verbal or written comments or visual images related to gender, sexual orientation, race, religion, disability or other personal characteristics, including those protected by law.
- Inappropriate contact including via electronic communications.
- The production or non-consensual sharing of harassing non-consensual photography or unwanted recording, including nudity and/or sexual images in virtual event (in any format, electronic or otherwise).
- Real or implied threat of professional or financial damage or harm.
- Inappropriate and sustained disruption of sessions, meetings and/or events.

- Photographing, video or audio recording of slides, oral or presentations without prior written permission from SPE.
- Violating the rules and regulations of the virtual event platform.
- Cybercrime and dubious online practises include but not limited to phishing, spamming, spoofing and cyberstalking.
- Inappropriate self-presentation or attire. Business casual dress code is preferred.

Reporting of harassment and disruptive behaviours can be made to apweb@spe.org.

Consequences of misconduct may include:

- Immediate removal from meetings and/or events without warning.
- Restrictions from future SPE events.

SPE reserves all rights to take any action to prevent and report violations of the Code of Conduct, including blocking access to SPE events. SPE cannot investigate reports of harassment or other misconduct during the virtual event but will inform the appropriate departments of the accused person's host institution about any such filed report.

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SPE encourages open and respectful discussion. In the live event environment, participants are not allowed to post images or videos online without obtaining permission from the Organiser. Participants are required to respect the privacy of others and refrain from any unauthorised or unwelcomed recording or photography, including recording of any direct or indirect interactions or electronic messaging. Participants are not allowed to take photos or videos of presentation materials shown without prior written consent by the presenter.

Recording of complete oral presentations is not allowed unless these are done by a professional entity that has been contracted for this purpose by or on behalf of the organiser. Photo taking and recordings within the live event environment for professional use is not allowed without obtaining prior written permission from SPE.

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General Information

Privacy Policy

- SPE cares about the protection of participants' personal information. SPE complies with applicable privacy laws, including GDPR, in collecting and processing your data. Participants have control over how much of their personal data is shown to other users for networking purposes. Participants can manage the data in their personal profile within the virtual event platform. The virtual event platform provider processes the data attributed to this event on behalf of SPE. SPE collects and processes data for the purposes of fulfilling your registration order, analysing how this platform performs and is used, and marketing for future related SPE events. All participants maintain the right of erasure and can withdraw their consent at any time. Please see SPE's privacy policy at <https://www.spe.org/en/about/privacypolicy/> for additional information.
- By engaging with sponsor and exhibitor booths or content, participants are consenting to exhibiting and sponsoring companies having access to the personal data that is public in their personal profile. Participants will need to contact the exhibiting and sponsoring companies regarding their privacy policies and to request erasure.
- Through the virtual event platform, participants may request to connect, which the receiving participant has the option to accept or decline. The platform's networking technology also recommends to participants related content and participants who match their interests.
- For any queries or concerns please contact the events team at apweb@spe.org.

Digital Proceedings

The Digital Proceedings code will be emailed to attendees registered in the full access category prior to the event.

On-Demand Content

- An on-demand version of the live event sessions will be made available to attendees registered in the full access category only.
- Provision of the live event sessions and presentation materials by speakers and authors will signify their permission for SPE to do so.

Disclaimer

SPE reserves the right to change the speaker(s), date(s) and/or to cancel the virtual event should circumstances beyond its control arise. SPE will not be liable to Participants for any damages, costs, losses or expenses of any kind incurred or suffered by Participants as a result of or in relation to SPE modifying, postponing or cancelling the virtual event or any part of the virtual event.



Opening and Keynote Session

Tuesday, 12 October 2021 | 0900 - 1000 hours (UTC +7)

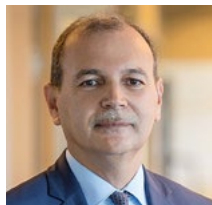
Speakers



Budiman Parhusip
APOGCE 2021
Conference Advisor
Chief Executive
Officer
**PT Pertamina Hulu
Energi**



Henricus Herwin
APOGCE 2021
Conference Chair
Vice President
Upstream Business
Development
**PT Pertamina Hulu
Energi**



Kamel Ben-Naceur
2022 SPE President
Nomadia Energy
Consulting



John Hisar Simamora
IATMI Chair
Director of
Strategic Planning and
Business Development
**PT Pertamina Hulu
Energi**



Dwi Soetjipto
Chairman,
**Special Task Force for
Upstream Oil and Gas
Business Activities
Republic of Indonesia
(SKK Migas)**



Arifin Tasrif
Minister of
Energy and
Mineral Resources
**Government of
Indonesia**

Executive Plenary Session

Navigating into the New Horizon through Resilience, Collaboration and Technical Excellence

Wednesday, 13 October 2021 | 0830 - 1000 hours (UTC +7)

Moderator



Thom Payne
Head of Offshore Energy Services
Westwood Global Energy Group

Speakers



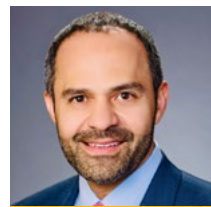
Tutuka Ariadji
Director General of
Oil and Gas
Ministry of Energy and
Mineral Resources
**Government of
Indonesia**



John Hisar Simamora
Director of Strategic
Planning and Business
Development
PT Pertamina Hulu Energi



Ronald Gunawan
Director and Chief
Operating Officer
**PT Medco Energi
Internasional**



Irtiza H. Sayyed
President
ExxonMobil Indonesia



Panel Sessions

Panel Session 1: Adapting to Oil and Gas Digitalisation

Tuesday, 12 October 2021 | 1030 – 1130 hours (UTC +7)

Session Chairs



Anak Bt Karim
Head, Digital Strategy -
Upstream Business
PETRONAS



Iswahyuni Fifthana Hayati
Head of Development and
Planning
PT Pertamina Hulu Mahakam

Speakers



Melissa Yap
Senior Manager
Energy, Resources and Industrials
Deloitte Consulting



Hafiz Azzad Zubir
Senior General Manager
PETRONAS



Alpius Guntara
Vice President
Upstream Innovation
PT Pertamina Hulu Energi



Toufik Bessadat
Asia Digital Sales and
Commercial Manager
Schlumberger

Panel Session 2: Big Oil to Big Energy - Towards Energy Transition

Tuesday, 12 October 2021 | 1430 – 1530 hours (UTC +7)

Session Chairs



Yusuf Alfyan Praditya
SPE Java Indonesia Section
Chairperson
Reservoir Engineer
Premier Oil



Andrew Harwood
Research Director
Asia Pacific Upstream
Oil and Gas
Wood Mackenzie

Speakers



Graham Gillies
Vice President APAC
Baker Hughes



Bård Glad Pedersen
Vice President
Commercial Development Countries
Exploration and Production
International
Equinor ASA



Albert Simanjuntak
President Director
PT Chevron Pacific Indonesia



Fadli Rahman
Commissioner
PT Pertamina Hulu Energi



Panel Sessions

Panel Session 3: Rethinking Collaboration in the Oil Industry in Times of Volatility and Disruption

Wednesday, 13 October 2021 | 1015 – 1115 hours (UTC +7)

Session Chairs



Shankar Bhukya
Senior Technical Advisor
NOV Grant Prideco™



Raam Krisna
General Manager Zone 10
PT Pertamina Hulu Indonesia

Speakers



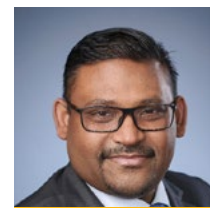
Lenita Tobing
Managing Director and Partner
Boston Consulting Group



Dipak Mandal
Advisor Reservoir Engineering
Dialog Group Berhad



Taufik Adityawarman
Director of Development and
Production
PT Pertamina Hulu Energi



Devan Raj
Managing Director
Schlumberger Group Indonesia
Schlumberger

Panel Session 4: Mature Fields Sustainability and Marginal Resources Development and Operations

Wednesday, 13 October 2021 | 1400 – 1500 hours (UTC +7)

Session Chairs

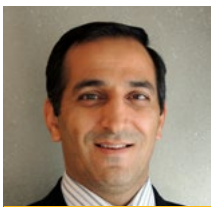


Dipak Mandal
Advisor Reservoir Engineering
Dialog Group Berhad



Anwarudin Saidu Mohamed
Chief Technology Officer
Reservoir Link Energy Berhad

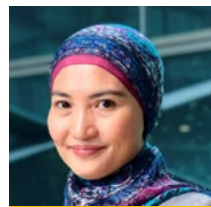
Speakers



Rahim Masoudi
Group Technical Authority and
Custodian Reservoir Engineering
Resource Development and
Management
MPM, Upstream Business
PETRONAS



Bambang S. Ismanto
Vice President
Technical Assurance
PT Medco EP Indonesia



Nurzalina Jamaluddin
Chief Operating Officer
SEA Hibiscus Sdn. Bhd.



Mrinal Vohra
Vice President, Asia
Expro Group Sdn. Bhd.



Panel Sessions

Panel Session 5: People and Talent Management

Thursday, 14 October 2021 | 0900 – 1000 hours (UTC +7)

Session Chairs



Jason Kok
Chief Executive Officer
Grit Energy



Arasy Az Zariat
Reservoir Engineer
PT Pertamina Hulu Mahakam

Speakers



Alan Guo
Global Human Resource Director -
Talent, Learning and Transformation
Baker Hughes



Ayu N. Kencana
Vice President
ExxonMobil Cepu Limited



Aidil Shabudin
Head of Resources Management,
MPM
PETRONAS



Ahmad Yuniarto
President Director
PT Pertamina Geothermal Energy

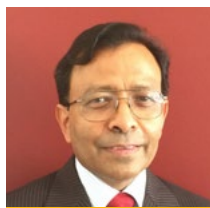
Panel Session 6: Critical Investment Strategies for Rebuilding a Robust Industry

Thursday, 14 October 2021 | 1300 – 1400 hours (UTC +7)

Session Chairs



Eddie Martono
Partner
Boston Consulting Group



Prady Chaliha
General Manager – Development
Osaka Gas Australia

Speakers



Nathan Meehan
2016 SPE President
President
CMG Petroleum Consulting



Iman Rachman
Director of Strategy,
Portfolio and
New Venture
PT Pertamina (Persero)



Andrew Harwood
Research Director
Asia Pacific Upstream
Oil and Gas
Wood Mackenzie



Special Sessions

Special Session 1: Machine Learning and Artificial Intelligence in Subsurface

Tuesday, 12 October 2021 | 1300 – 1400 hours (UTC +7)

Session Chairs



Tan Chee Phuat
Chief Scientist Geomechanics
PETRONAS GR&T (Research)

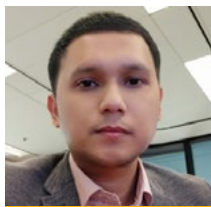


Handita Reksi Dwitrantra
Reservoir Engineer -
Reservoir Modelling
PT Medco E&P



Fitrah Arachman
Petroleum Engineering Manager
PT Pertamina Hulu Energi ONWJ

Speakers



M. Feldy Riza
Modelling, Optimisation and
Analytics Specialist
BP Global Subsurface Solutions



Bruno de Ribet
Technology Global Director
Emerson



Aria Abubakar
Head of Data Science and Advisor
Schlumberger

Special Session 2: Challenges and Opportunities in Development of Unconventional Resources

Thursday, 14 October 2021 | 1430 – 1530 hours (UTC +7)

Session Chairs



Raj Deo Tewari
Chief Scientist
PETRONAS Research Sdn. Bhd.



Anwarudin Saidu Mohamed
Chief Technology Officer
Reservoir Link Energy Berhad

Speakers



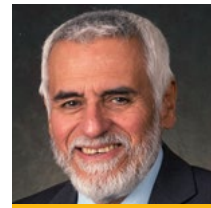
Lau Hon Chung
Professor
National University Singapore



Siti Normaizan Hassan
Head Unconventional,
Centre of Excellence
PETRONAS Canada



Raymond Johnson Jr.
Professor of Well Engineering and
Production Technology, School of
Chemical Engineering and Energi
Simulation Co-Chair,
Centre for Natural Gas
The University of Queensland



Roberto Aguilera
Professor
University of Calgary



Project Session

Project Session 1: Pertamina Projects

Wednesday, 13 October 2021 | 1245 – 1345 hours (UTC +7)

Session Chair



Henricus Herwin
APOGCE 2021 Conference Chair
Vice President Upstream Business Development
PT Pertamina Hulu Energi

Speakers



Mery Luciawaty
Vice President Development and
Drilling Region-2
PT Pertamina EP



Reza Rinaldi Zein
Senior Manager Development
PT Pertamina Hulu Indonesia



Awang Lazuardi
President Director
PT Pertamina EP Cepu



John Anis
President Director
PT Pertamina International EP

Educational Programme

Energy4me - Teachers' Day

Tuesday, 12 October 2021 | 1500 – 1700 hours (UTC +7)

Energy4me is an energy educational public outreach programme that highlights how energy works in our everyday lives. SPE's Energy4me programme values the role played by teachers and believes in the importance of giving teachers the tools they need to comfortably teach students energy concepts. Hands-on activities provide educators with interactive, age-appropriate experiments using basic household items that illustrate energy concepts that can easily be adapted for virtual as well as face-to-face classes. The programme is designed to allow the teacher to become the student in order to understand the value of using hands-on interactive experiments to explain theoretical concepts.



IATMI Business Forum (Organised by IATMI)

Saturday, 9 October 2021 | 0900 – 1100 hours • Lake View VIP Room, Damai Indah Golf “Pantai Indah Kapuk (PIK)”, Jakarta

IATMI Business Forum will bring together leaders from the energy sector; the government, association, energy companies, civil society, and business supporters to discuss on how Indonesia’s energy stakeholders can accelerate achieving zero-carbon goals through clean energy transition strategies.

1. Gas development is one of the solutions towards Indonesia’s energy transition target

The energy transition is the pathway towards the transformation of the global energy sector from fossil-based to zero-carbon.

Decarbonisation of the energy sector is required urgently on a global scale by leveraging on the energy mix. Renewable energy and natural gas can be employed to provide energy-efficient solutions. Natural gas is a potential energy source in Indonesia as an alternative to reduce carbon dioxide emission and air pollutants. The energy source fuel switching can be utilised, primarily from coal to natural gas.

2. Impact of coal-to-natural gas switching

Natural gas is facing increasing demand. More development gas fields need to be secured. Oil and gas companies need to find solutions for implications of the energy transition target to match their operations and business models. They are also required to adapt to the pace of change in reducing greenhouse gas (GHG) emissions and achieving zero-carbon goals and targets. Through technologies and applications such as digitalisation, carbon capture, utilisation and storage (CCUS), and blue hydrogen, this can be achieved.

3. Government regulation & policies

Technological feasibility and business model viability are key factors in adopting clean technology. Policymakers will need to provide clarity on decarbonisation plans, including their vision for natural gas, so that gas players can get involved, and show commitment to decarbonise natural gas.

Regulation consistency can reduce the cost of clean technology by providing subsidies or increasing the opportunity cost of alternative fossil fuel utilisation through carbon taxes and more can help make technology a viable solution.

Social Activities (Organised by IATMI)

Saturday, 9 October 2021 | 1300 – 1800 hours • Damai Indah Golf - “Pantai Indah Kapuk (PIK)” Course, Jakarta

To promote a healthy lifestyle, golfing is an ideal outdoor sport that provides participants a wholesome experience journeying through the course with fellow oil and gas professionals to network and interact between shots.

This golf activity is scheduled on 9 October 2021 at the Damai Indah Golf - Pantai Indah Kapuk (PIK) course in Jakarta as part of the SPE/IATMI APOGCE 2021 activities and a collaboration with the Petrogolf club community.

Participants will spend a small portion of a four-hour game hitting the ball, while exchanging business ideas and insights.

DELFI Hackathon (Organised By IATMI)

Monday, 11 October 2021 | 10.00 AM • Virtual, Zoom and Youtube

DELFI Data Science Hackathon 2021 is a competition organised by Schlumberger Indonesia in collaboration with IATMI. It is held to accelerate digital transformation of the energy sector in Indonesia by opening limitless innovation through artificial intelligence from a collaboration between industry professionals with students/fresh graduates. With the ease-of-use and democratisation of AI in the DELFI Data Science profile, domain experts can explore their creative thinking to solve relevant problems in their organisations effectively and efficiently, such as automate various manual tasks, provide an advisory system for complex workflows, monitor and optimise operation, detect anomalies, also quickly identify ranked scenarios to come up with the most appropriate decisions.

Every team of the DELFI Data Science Hackathon’s participants consists of four people with one professional as the team leader and three students/fresh graduates as the programmers. The proposed cases are open for geoscience, geomechanics & drilling, reservoir engineering, and production engineering. There are three stages in the competition: proposal stage in late June, prototype stage in August, and pitching stage in October, with judges from Schlumberger HQ, SKK Migas, and IATMI industry professionals.



SPE Asia Pacific Regional Awards

Regional Service Award

Northern Asia Pacific



Fatemeh Mehran

South Asia and the Pacific



Ashish Fatnani



Kripa Pandey



Mani Bansal



Nikhil Kulkarni



Indra Priyono

Technical Award

Northern Asia Pacific

Drilling Engineering



Salim TaouTaou

Formation Evaluation



Nikhil Hardikar

Project, Facilities and Construction



Ma Xinhua

South Asia and the Pacific

Drilling Engineering



Rakesh Dewal

Reservoir Description and Dynamics



Ramen Talukdar

Management



Ma Xinhua

Reservoir Description and Dynamics



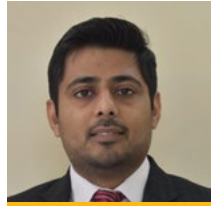
Cao Dongqing

Production and Operations



Anwarudin Saidu Mohamed

Completions, Optimisation and Technology



Rachit Vijay

Data Science, Engineering and Analytics



Shreshth Srivastav



SPE Asia Pacific Regional Awards

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Outstanding Young Member

South Asia and the Pacific



Nikita Mishra



Sri Konsep Harum
Wicaksono

Public Service Award

South Asia and the Pacific



Wilsen Lauwijaya



Technical and Knowledge Sharing ePoster Sessions

More than 200 technical presentations covering a vast variety of technical topics will be presented at the Technical and ePoster Sessions.

Technical Sessions include:

- Advancements in EOR/IOR
- Artificial Intelligence Drilling and Others
- Artificial Intelligence Production Engineering
- Artificial Intelligence Reservoir Study
- Artificial Lift
- Deepwater and Well Abandonment
- Digitalisation and Automation Field Development
- Digitalisation and Automation Production Enhancement
- Digitalisation and Automation Success Story
- Facilities and Operations
- Fracing - Multi-Stage Fracing
- Gas Technology and Supply
- Improving Business Processes in Unprecedented Times
- Innovations in Reservoir Characterisation
- Innovative Well Intervention - Case Studies
- Matrix Stimulation
- More E in HSE
- Oil and Gas Projects Case Studies
- Optimised Solutions for Unconventional
- Production Enhancement
- Regional Focus
- Sand Control
- Simulation and Modelling
- Surface and Sub-surface Integration and Optimisation
- Value of Information and Experience
- Well Construction

Find out more from the virtual [APOGCE 2021 website](https://www.apogce.org/)



Virtual Event Exhibitors

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Exhibitor Package



Exhibitor Profile

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PT Pertamina (Persero), is a state owned energy company owned by the Government of Indonesia.

Pertamina has strong commitment to providing and bringing energy to all over Indonesia and abroad. Upon that commitment and to build a strong foundation for its vision accomplishment to be a world-class energy company, thus Pertamina plays strategic role to lead 5 (five) subholdings in energy. One of the subholding is Subholding Upstream, whose the operations is placed under Pertamina Hulu Energi (PHE).

PHE has the role to synergize all activities of Pertamina's upstream businesses both national and international. Fully ready to face the future adventures, Subholding Upstream explore with 3(three) main strategies, ie: managing baseline, stepping out & new ventures, and acquisition & partnership.

SKK Migas

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Special Task Force for Upstream Oil and Gas Activities (SKK Migas) is an institution established by the Government of the Republic of Indonesia under Presidential Regulation Number 9 of 2013 on Management of Upstream Oil and Gas Activities. SKK Migas is assigned to manage the Upstream Oil and Gas Activities under a Cooperation Contract. This institution was established to ensure that the exploitation of the state's oil and gas natural resources will be able to generate maximum benefits and revenue to the state for the greatest welfare of the people.

bp Indonesia

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bp has been delivering energy solutions for Indonesia for over 50 years, and we will continue to deliver long-term value for our customers, communities, and all our stakeholders in Indonesia. Our purpose is reimagining energy for people and our planet. We want to help the world reach net zero and improve people's lives.

Our energy solutions for Indonesia range from hydrocarbon production & operations, to energy trading & shipping, and retail products. Activities include exploration and production in Tangguh liquefied natural gas (LNG) and Andaman II PSC; and energy products and services with Castrol Indonesia, PT Aneka Petroindo Raya, PT Dirgantara Petroindo Raya, PT Jasatama Petroindo, and PT Petro Storindo Energi.

ExxonMobil Indonesia

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The year 2021 marks over 123 years of our business in the country, beginning in 1898 with the Company's first marketing office opened in Java. Then in 1912, the Standard Oil Company of New Jersey started its exploration activities in Sumatera. Following our journey in 1968 as one of the first Production Sharing Contract contractors for the North Sumatera Offshore and B blocks in Aceh, we continue our commitment to support Indonesia in meeting its energy demands as the operator for the Cepu Block in East Java in 2005. The Banyu Urip oil field in Cepu Block has produced up to 220,000 barrels of oil per day or contributed around 30 percent to the country's national oil production, making ExxonMobil, through its subsidiary, ExxonMobil Cepu Limited, the largest crude oil producer in Indonesia.



Exhibitor Profile

Husky-CNOOC Madura Limited (HCML) & Husky Anugerah Limited

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HCML has set its vision to be the biggest gas producer in East Java and the operator of choice in Indonesia. To achieve its vision, HCML continuously strives to deliver values to its stakeholders through excellent operation in oil and gas business with strong commitment to ethics, health, safety, and environment. Currently HCML is producing gas around 100 MMSCFD from its BD field in Sampang Regency and is expecting to triple its production in the next two to three years by producing more gas from MDA-MBH-MDK (3M) field and MAC field in Sumenep Regency. Meanwhile, the development of 3M and MAC fields are being undertaken.

PT Medco E&P Indonesia

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Established in 1980, MedcoEnergi is a leading Southeast Asian energy and natural resources Company listed on the Indonesia Stock Exchange (MEDC-IDX). The Company focused on three key business segments: Oil & Gas, Clean Power Generation and Copper Mining. MedcoEnergi has interests in 15 Oil & Gas properties in Indonesia, 11 of which are producing. The Company also has interests in 12 Oil & Gas properties in eight other countries with key producing assets in Oman, Thailand and Vietnam and other assets in Malaysia, Yemen, Libya, Tanzania and Mexico. MedcoEnergi, through its wholly owned subsidiary Medco Power, operates in the power generation industry in Indonesia.

Repsol

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Repsol is a global multi-energy company that is leading the energy transition with its ambition of achieving zero net emissions by 2050.

In Indonesia, Repsol present in Upstream business with mineral rights to seven blocks covers Sakakemang, Andaman III, South East Jambi, South Sakakemang, Aru, West Papua IV, and have 36% participating interest in Corridor Block. The current development in Sakakemang Block consist of Kaliberau Dalam field, where Repsol and its partner have made the largest gas discovery in Indonesia in the past 18 years and represents new resources for the Indonesian market that will help fuel economic development.

The Company has also been present in Indonesia through its lubricants business and Indonesia has become the third-largest market for Repsol lubricants worldwide.

PT. Welltec Oilfield Services

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Welltec® is a global technology company that develops and provides efficient, hi-tech solutions for the energy industry. The company was founded in 1994 and grew rapidly by supplying innovative robotic technology to oil and gas operators. In 2010, Welltec introduced a new business segment focused on the development of Completion products. Commercialization of these products began in 2014, and the company is now a global leader in the field of metal expandable packer technology. Welltec's cutting-edge products and services are designed to optimize the performance and integrity of a well, in any environment. Through advanced engineering and lightweight design, Welltec's solutions have helped clients increase operational efficiency and reduce carbon footprints in a safe and sustainable way.



Exhibitor Profile

Dell Technologies

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At Dell Technologies, we continue to innovate, developing technology so you're always ready to move forward. We are a diverse team with unique perspectives. United in our purpose, our strategy and our culture. Driven by our ambition and the power of technology to drive human progress. Unwavering in our commitment to equality, trust and advocacy for one another.

IATMI (IKATAN AHLI TEKNIK PERMINYAKAN INDONESIA)

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Society of Indonesian Petroleum Engineers (IATMI) is a professional organization founded in Jakarta on 7 June 1979 by a group of Indonesian professionals working in the petroleum and geothermal industry. At this time IATMI has more than 10,000 members spread all over Indonesia and several countries in the world. Through synergy with related stakeholders, IATMI aims to serve its members to increase knowledge, support the professional development of Indonesian oil and gas. IATMI will also continue to work with other professional organizations to promote synergy and professionalism, and also contribute ideas and thoughts in advancing the nation's energy in the form of recommendations, holding various activities and events etc.

Society of Petroleum Engineers

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The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose more than 140,600 members in 144 countries are engaged in oil and gas exploration and production. SPE is a key resource for technical knowledge providing opportunities to exchange information at in-person and online events and training courses, publications, and other resources at www.spe.org.





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Visit go.spe.org/21APOGC for more information about SPE/IATMI APOGCE 2021



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