



Hosted by



TAR DIALOGUE - GEOSCIENCE SOLUTIONS 2021

KNOW THE UNKNOWN

22 – 23 September 2021

Panel Session Topics



*New Energy & Next
Generation Technology
As Catalyst*



*Corridor of
Uncertainties and
Sustainability*

Technical Virtual Presentation

23 *Technical Paper Presentations*

18 *Informative Posters*

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Interesting prizes to be won!



Day 1: 22 Sept 2021 Wednesday 8.30 AM - 12.35 PM

8.30 AM	Arrival of Guest
9.00 AM	Welcoming by MC
9:02 AM	HSE & Doa
9:10 AM	Opening Remark by Alex Tarang, Lead for TAR Dialogue - Geoscience Solutions
9:15 AM	Welcoming Remark by Dr. Jaizan Hardi M Jais, Head, Resource Exploration, MPM, PETRONAS
9:25 AM	Welcoming Remark by Mr. Kanok Intharawijitr, EVP, Geosciences, Subsurface and Exploration Group, PTTEP
9:35 AM	Keynote Speech by Madam Emeliana Rice-Oxley, VP Exploration PETRONAS
9:50 AM	TAR Dialogue - Geoscience Solutions Montage
10:00 AM	Break
10:05 AM	Executive Panel Session #1: New Energy & Next Generation Technology As Catalyst, moderated by Sanjeev Rajput (PETRONAS) Panelist : Eric Andersen (PETRONAS), Ahmad Faisal B Bakar (PETRONAS), Stephen Warner (Schlumberger) and Rachel Calvert (IHS)
11:35 AM	Kahoot
11:45 AM	Session #1 Paper #1 The importance of PVT and trap analyses in the distribution of oil and gas of the Malaysian basins by Francesco Zainetti (PETRONAS)
12:10 PM	Session #1 Paper #2 Malaysia's Multiclient (Success) Story by Alex Vartan (PGS)
12:35 PM	Session #1 Paper #3 Marine controlled source electromagnetic methods: applications in oil and gas and beyond by Dr. Lucy MacGregor (OFG Multiphysics)
1:00 PM	Lunch

Day 1: 22 Sept 2021 Wednesday 2.00 PM - 6.00 PM

2:00 PM	Session #2 Paper #1 Tepat-1 Deep Water Discovery by Michal Wardynski (TotalEnergies)
2:25 PM	Session #2 Paper #2 Story of a Cycle VII Shallow Clastic Play in Offshore Sarawak by Hanif Haziq (Beicip-Franlab Asia)
2:50 PM	Session #2 Paper #3 A post drill case study: understanding the impact of seismic velocity and imaging artefacts in the shadow of Baram Delta gravitational faults. Real-time operational recommendations and implications by Ryotaro Matsuyama (JX Nippon)
3:15 PM	Session #2 Paper #4 AVO and G&G Big Data Integration, Visualization, Analytics Strategy for Mature Asset – A Case Example from PM3 by Gan Wei Di (Repsol)
3:40 PM	Kahoot
3:50 PM	Break
3:55 PM	Session #3 Paper #1 Full integration of capturing carbonate facie heterogeneity from core, wireline log, and seismic data into reservoir model, Lang-Lebah field, central Luconia, offshore Sarawak by Krongrath Suwannasri (PTTEP)
4:20 PM	Session #3 Paper #2 New Understanding of Ultra-Deepwater Thin Beds Interpretation And Compartmentalization In light of New Seismic Reprocessed Data and Well Results by M Ferdaos Mostapa (PETRONAS)
4:45 PM	Session #3 Paper #3 Focused Reprocessing and Data Integration Open up New Insights and Opportunities in a Core Area by Rick Beaubouef and Rosemary Quinn (HESS)
5:10 PM	Session #3 Paper #4 Combined Stratigraphic and Structural interpretation using Artificial Intelligence and Frequency Decomposition by Dr. Ryan Williams (Geoteric)
5:35 PM	Session #3 Paper #5 Vendor Agnostic Digitalization of Petro-Technical Data by Jess Kozman (Katalyst)
6.00 PM	MC Closing for the day

Day 2: 23 Sept 2021 Thursday 8.30 AM - 12.40 PM

8.30 AM	Arrival of Guest
9:00 AM	Second day opening by MC
9:02 AM	HSE
9:05 AM	Session #4 Paper #1 Automated Log Regularization (ALR) by Dr. Makky Sandra Jaya (PETRONAS)
9:30 AM	Session #4 Paper #2 Machine Learning application in Geoscience from 1D to 3D by Reza Bektı (CGG)
9:55 AM	Session #4 Paper #3 Straco: AI-Based Automatic Well Seismic Stratigraphy Correlation - Consistency is All You Need by A.Sharif Abdul Rahman (PETRONAS)
10:20 AM	Session #4 Paper #4 Enhancing geological features Identification through semi-automated seismic interpretation by Norazhar Ibrahim (Eliis)
10:45 AM	Kahoot
10:55 AM	Break
11:00 AM	Session #5 Paper #1 Improved Structural Illumination and Reservoir Characterization Utilizing OBN Seismic by Nor Afıqah Radzi (KPOC)
11:25 AM	Session #5 Paper #2 Kikeh 4D Seismic: OBN vs Streamers by Yee Shuh Wen (PTTEP)
11:50 AM	Session #5 Paper #3 Geoscience Role in Contaminant Prediction at Exploration Stage: Begin with the End in Mind by Jamal Hoesni (Beicip-Franlab Asia)
12:15 PM	Session #5 Paper #4 The Importance of Reservoir Heterogeneity for Modelling, Monitoring and Operating CO ₂ Storage Sites for CCUS by Gareth Williams (Halliburton)
12:40 PM	Lunch

Day 2: 23 Sept 2021 Thursday 2.00 PM - 5.30 PM

2:00 PM	Session #6 Paper #1 Geology of CO ₂ Storage Candidate for a Lang Lebah Development Project, Offshore Sarawak by Puntira Henglai (PTTEP)
2:25 PM	Session #6 Paper #2 CCUS Subsurface Modelling, Integrity Risk Assessment and Monitoring by Feng Gui (Baker Hughes)
2:50 PM	Session #6 Paper #3 Subsurface Digital Twins for Safe CO ₂ Storage by Adrian Rodriguez (Schlumberger)
3:15 PM	Break
3:20 PM	Executive Panel Session #2 Corridor of Uncertainties and Sustainability, moderated by Sanjeev Rajput (PETRONAS) Panelist : Ahmad Fairus Ahmad Zamri (PETRONAS), Steve Burford (PTTEP), Jimmy Ting (CGG) and Chris Consoli (Global CCS Inst.)
4:50 PM	Lucky Draw
5:05 PM	Summaries & Closing Montage
5:10 PM	Closing Remark by Dr. Rahim Masoudi, Group Technical Authority & Custodian Reservoir Engineering (PETRONAS)
5:20 PM	Photo Session & MC signing off

VIRTUAL PAPER TAR DIALOGUE

No.	Title of Virtual Paper	Main Presenter
1	The importance of PVT and trap analyses in the distribution of oil and gas of the Malaysian basins	Francesco
2	Malaysia's MultiClient (Success) Story	Alex Vartan
3	Marine controlled source electromagnetic methods: applications in oil and gas and beyond	Dr. Lucy MacGregor
4	Tepat-1 Deep Water Discovery	M. Wardynski
5	Story of a Cycle VII Shallow Clastic Play in Offshore Sarawak	Hanif Haziq
6	A post drill case study: understanding the impact of seismic velocity and imaging artefacts in the shadow of Baram Delta gravitational faults. Real-time operational recommendations and implications	Ryotaro Matsuyama
7	AVO and G&G Big Data Integration, Visualization, Analytics Strategy for Mature Asset – A Case Example from PM3	Gan Wei Di
8	Full integration of capturing carbonate facie heterogeneity from core, wireline log, and seismic data into reservoir model, Lang-Lebah field, central Luconia, offshore Sarawak	Krongrath Suwannasri
9	New Understanding of Ultra-Deepwater Thin Beds Interpretation And Compartmentalization In light of New Seismic Reprocessed Data and Well Results	M Ferdaos Mostapa
10	Focused Reprocessing and Data Integration Open up New Insights and Opportunities in a Core Area	Rick Beaubouef
11	Combined Stratigraphic and Structural interpretation using Artificial Intelligence and Frequency Decomposition	Dr. Ryan Williams

VIRTUAL PAPER TAR DIALOGUE

No.	Title of Virtual Paper	Main Presenter
12	Vendor Agnostic Digitalization of Petro-Technical Data	Jess Kozman
13	Automated Log Regularization (ALR)	Dr. Makky Sandra Jaya
14	Machine Learning application in Geoscience from 1D to 3D	Reza Bekti
15	Straco: AI-Based Automatic Well Seismic Stratigraphy Correlation - Consistency is All You Need	A.Sharif Abdul Rahman
16	Enhancing geological features Identification through semi-automated seismic interpretation	Norazhar Ibrahim
17	Improved Structural Illumination and Reservoir Characterization Utilizing OBN Seismic	Nor Afiqah Radzi
18	Kikeh 4D Seismic: OBN vs Streamers	Yee Shuh Wen
19	Geoscience Role in Contaminant Prediction at Exploration Stage: Begin with the End in Mind	Jamal Hoesni
20	The Importance of Reservoir Heterogeneity for Modelling, Monitoring and Operating CO ₂ Storage Sites for CCUS	Gareth Williams
21	Geology of CO ₂ Storage Candidate for a Lang Lebah Development Project, Offshore Sarawak	Puntira Henglai
22	CCUS Subsurface Modelling, Integrity Risk Assessment and Monitoring	Feng Gui
23	Subsurface Digital Twins for Safe CO ₂ Storage	Adrian Rodriguez

VIRTUAL POSTER TAR DIALOGUE

No.	Title of Virtual Poster	Main Author
1	New insights in the search for subtle stratigraphic traps in Malay Basin	Poh Kwong Wee
2	Karst Formation Evaluation Workflow	Saikat Das
3	Trap Charge Analysis in Maturing the Prospect at A Mature Basin: A Case Study from a Prospect Drilling in Malay Basin	Dr. Zuhar
4	Role of 4D Time-Lapse Seismic In Subsurface CO ₂ Plume Monitoring for Sustainable CCS Project	Dr. Pankaj
5	Deciphering the record of the Sun-Earth dance in well logs: The extra-terrestrial imprint and its application to high-resolution stratigraphy and well correlation in South Furious field, offshore North Sabah	Patrick Gou
6	Using machine learning to build detailed facies models at the basin and reservoir scale: Overcoming challenges in data quality to build more reliable and diverse training models	Kian Wei Tan
7	Improving the Seismic Resolution Using Enhanced Non Stationary differential resolution (eNSDR) Technology	Uzir Alimat
8	Applications of L1 Frequency Decomposition (L1FD) tool on carbonate and clastic reservoirs: Implications for reservoir characterization of CO ₂ storage sites	Haziqah Othman
9	Steering the Course: The Impact of Reevaluation of Legacy Understanding to the Development Strategy of Zuhul East Field	Izyan Nadhirah

VIRTUAL POSTER TAR DIALOGUE

No.	Title of Virtual Poster	Main Author
10	Completion Insight – Service and Application	Armando Vianna
11	Integrating Geomechanics with Effective Drilling Practices Reduces Risks and Provide Solutions to Drilling Extended Reach Wells	Ong See Hong
12	Optimizing Gas Lift Production Through Intelligent Data Driven Approach	Tyler Shirk
13	Roles of a Robust Stratigraphic and Sedimentological Analyses in Deepwater Field Development: A Case Study from NW Borneo Deepwater	Shamsudin Jirin
14	New Technology and Thorough Planning Allow for Successful Placement of Horizontal Wells Case Studies from Repsol Malaysia	Rahman Rasheed
15	DELFI Cognitive Environment for Geoscience	Christopher Towend
16	Computer-Assisted Interpretation In Reservoir Characterization	Jumain Marzuki
17	Pseudo Analytics Method for Seismic Modelling and Imaging	M Danial
18	Production Enhancement	Nurul Listiani

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