

EAGEEUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS

EAGE Workshop on The Interpretation of Attributes to Impact Decision Making

17-18 FEBRUARY 2020 | KUALA LUMPUR, MALAYSIA

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Technical Programme

Monday, February 17, 2020

Start Time	End Time	Duration	Ballroom
8:00	9:00	1:00	Registration
Opening and Keynote Session			
9:00	9:10	0:10	Welcome and Opening Address by Co-chairpersons F. Halim (PETRONAS Research Sdn Bhd), V. Goh (Shell)
9:10	9:50	0:40	Keynote Address - Application of ML for Seismic Attributes Eirik Larsen (Earth Science Analytics AS)
10:00	10:30	0:30	Coffee Break
Session 1 - Quantitative Interpretation R. Doshi (CGG), P. Miller (Schlumberger)			
10:30	11:00	0:30	Probabilistic inversion for DW Sabah Near Field exploration Mr Chung Yan Chang Shell
11:00	11:30	0:30	Regional Rock Physics implementation for enhanced Lithological and Fluid predictions: A Case Study in Deep Reservoirs Mr. Hifzhal 'Arif Ahmad Munif PETRONAS Research Sdn Bhd
11:30	12:00	0:30	Rock Physics Atlas: The Benefits and Challenges Mr M Nasim A Ralim PETRONAS Carigali Sdn Bhd
12:00	12:30	0:30	Litho-Petro-Elastic Paul Miller Schlumberger
12:30	13:30	1:00	Luncheon
Session 2 - Advanced Interpretation Methods A. Barnes (Pagosa Geophysical Research), A. Mannini (PETRONAS Carigali Sdn Bhd)			
13:30	14:00	0:30	Interpretive Tools for Post-Stack Seismic Data Enhancement Mr Mohammed Daniel Davis Muhammed PETRONAS
14:00	14:30	0:30	Attribute analysis of seismic wavelets Dr Arthur Barnes Pagosa Geophysical Research
14:30	15:00	0:30	Electrical Properties Estimation from Elastic Properties: Are We There Yet? Dr Luluan Lubis UTP
15:00	15:30	0:30	Coffee Break
Session 3 - Case Studies D. Cavalin (PGS), V. Goh (Shell)			
15:30	16:00	0:30	Seismically enhanced spectral-decomposition method: case studies from different depositional environments for mapping prospects and de-risk drilling Mr A.Nassir Saeed PETRONAS
16:00	16:30	0:30	Interpretational Characteristics of Color Blending Attributes in Reservoir Delineation Mr Alexander Tarang PETRONAS Carigali Sdn Bhd
16:30	17:00	0:30	M field - The use of 4D attributes to optimize well placement Mr Yip Cheong Kok Shell
17:00	17:30	0:30	Reducing Thin Bed Reservoir Interpretation Uncertainty Using Comprehensive AVO Classification Almasgari Abdalsalam Abdul Saeed Ali UTP
17:30	19:30	2:00	Social Reception

Tuesday, February 18, 2020

Start Time	End Time	Duration	Ballroom
8:30	9:10	0:40	Keynote Address 2 - Examples of Interpretation of Attributes Impacting Decision Making Thierry Coleau (CGG)
Session 4 - Artificial Intelligence Machine Learning B.S. Syed (Halliburton), A.H. Abdul Latiff (Universiti Teknologi PETRONAS)			
9:10	9:40	0:30	Self-organizing maps - a powerful tool for geologic pattern recognition Mr Ismailwali Babikir Universiti Teknologi PETRONAS
9:40	10:10	0:30	Semi-Automated Seismic Interpretation for Reservoir Detection Muhammad Hafiz Baharuddin Eliis
10:10	10:30	0:20	Coffee Break
10:30	11:00	0:30	Extracting More Information From The Seismic Data by Applying Digital Image Processing Technique Mr. Awal Mandong CGG
11:00	11:30	0:30	Stochastic Neural Net-EEI Inversion for Thin Reservoir Petrophysical Quantitative Interpretation Abdul Halim Abdul Latiff UTP
11:30	12:00	0:30	Seismic Facies Classification Using Autoencoder Neural Network Abdul Halim Abdul Latiff UTP
Session 5 - Pitfalls, Risks And Uncertainties A.T. Panting (PETRONAS Carigali Sdn Bhd), F. Halim (PETRONAS Research Sdn Bhd)			
12:00	12:30	0:30	Elastic property generation by integration of broadband data and high resolution FWI velocity model Mr David Cavalin Petroleum Geo-Services
12:30	13:00	0:30	Common Pitfalls of Seismic Attribute Analysis Dr Arthur Barnes Pagosa Geophysical Research
13:00	14:00	1:00	Luncheon
14:00	14:30	0:30	Compressibility and shear compliance as superior elastic parameters for residual/commercial gas discrimination: A field data trial in the Malay Basin Peter Haffinger Delft Inversion
14:30	14:40	0:10	Dr. Deva Special Session
14:40	15:00	0:20	Coffee Break
15:00	16:00	1:00	Breakout Session - V. Goh (Shell)
16:00	16:30	0:30	Closing Remarks by Co-chairpersons F. Halim (PETRONAS Research Sdn Bhd), V. Goh (Shell)