

Advances in Quantitative Seismic Interpretation

START TIME	END TIME	Presenter Name	Company	Paper Title Session Chairs	Speaker Type	Acceptance
24 February'2025						
8:00	9:00	Welcome Coffee Break				
8:00	9:00	Onsite Registration				
9:00	9:05	HSE by hotel				
9:05	9:10	Welcome Address by SEG				
9:10	9:15	Welcome Address by co-chairs				
9:15	9:30	Opening Address by PDO				
9:30	9:40	Committee and Sponsor Recognition				
9:40	9:50	Group Photo				
9:50	10:10	Coffee Break - 20 min				
Session 1		Impact of QI on business		Session Chairs:		
10:10	10:30	Paulo Johann	Petrobras	Brazilian Experience in Advances Quantitative Seismic Interpretation	Keynote	
10:30	10:45	Rakesh Bharat Doshi	DUG	High resolution reservoir characterization on multiple fields offshore Vietnam	General	
10:45	11:00	Justin Ugbo	Shell	Use of Elastic Inversion Data to Predict Porous Dolomite Net Pay and Production Performance, for a Jurassic Carbonate Field in North Kuwait	General	
11:00	11:30	Discussion - 30 min				
Session 2		QI Integrated Studies		Session Chairs:		
11:30	11:45	Olivier Kirstetter	ADNOC	Quantitative seismic interpretation of CO2 injections in a carbonate saline aquifer onshore Abu Dhabi.	Invited	
11:45	12:00	Daniel Baltar Pardo	EMGS	Quantitative interpretation of CSEM, the road ahead.	Invited	
12:00	12:15	Olivier Colnard	Viridien	Going beyond standard elastic attributes to invert for density, methodology and case studies	Invited	
12:15	12:30	Andrew Lane	EMGS	Quantitative interpretation of CSEM, the road ahead.	Invited	
12:30	13:00	Discussion - 30 min				
13:00	14:00	Lunch - 1hr				
Session 3		Deterministic Methods for QI in Carbonate and Clastics		Session Chairs:		
14:00	14:20	Oswaldo Davogustto Cataldo	Shell	Reservoir Characterization Examples Through the Exploration Cycle in Oman	Keynote	
14:20	14:35	Wisam H. AlKawai	Saudi Aramco	Implications of VTI Anisotropy for Quantitative Seismic Interpretation of Clastic Reservoirs in a Sedimentary Basin	General	
14:35	14:50	Faisal Al-Enizi	Kuwait Oil Company	Quantitative interpretation of Gotnia in East Kuwait to interpret the lateral and vertical heterogeneity of carbonates within anhydrite sequences.	General	
14:50	15:20	Discussion - 30 min				
15:20	15:40	Coffee Break - 20 min				
Session 4		Workflows and case studies - Part 1		Session Chairs:		
15:40	16:00	Said Busaidi	Petroleum Development Oman	Quantitative Interpretation of the Future, are we there yet?	Keynote	
16:00	16:15	Jorge Estrada	OXY	Impact of facies-based seismic on well path selection and well performance	Invited	
16:15	16:30	Walid Abd El-Mawla	SLB	Carbonate Reservoir Petro-Elastics Prediction - OBN Case Study - Western Offshore, India	General	
16:30	17:00	Discussion - 30 min				
End of Day 1						
17:00	19:00	Welcome Reception				

25 February'2025						
8:00	9:00	Welcome Coffee Break				
9:00	9:15	Opening Address by Saudi Aramco				
Session 5		Workflows and case studies - Part 2		Session Chairs:		
9:15	9:35	Panos Doulgeris	Delft Inversion	The Elastic Wave Equation Based inversion workflow explained	Keynote	
9:35	9:50	Olivier Colnard	Viridien	Going beyond standard elastic attributes to invert for density, methodology and case studies	Invited	
9:50	10:05	Bruno de Ribet	Aspentech	Improve Seismic Inversion Quality Using a Neural Network and Fast Stochastic Workflow in Relative Geologic Time: A Midland Basin Case Study	Invited	
10:05	10:20	Irina Yakovleva	Geosoftware	Impact of seismic data quality on uncertainty analysis in geostatistical inversion	General	
10:20	10:50	Discussion - 30 min				
10:50	11:10	Coffee Break - 20 min				
Session 6		Advanced QI technology & machine learning (ML) - Part 1		Session Chairs:		
11:10	11:30	Tanya Colwell	Geosoftware	Making the Unknown Known: Advancing Seismic Reservoir Characterization Using Rock Physics Synthetic Catalog	Keynote	
11:30	11:45	Rayan Kanfar 2	Saudi Aramco	Machine Learning-Driven Quantitative Interpretation for Real-Time Subsurface Modeling	Invited	

11:45	12:00	Omar Aly	SLB	Leveraging machine learning capabilities in seismic petrophysics for advanced quantitative seismic reservoir characterization	General		
12:00	12:15	Mohammed Farfour	Sultan Qaboos University	Deep Learning methods to overcome challenges in seismic inversion: an example and learned lessons	General		
12:15	12:45	Discussion - 30 min					
12:45	13:45	Lunch - 1hr					
Session 7		Advanced QI technology & machine learning (ML) - Part 2		Session Chairs:			
13:45	14:00	Rayan Kanfar	Saudi Aramco	Generative AI as a geostatistical tool: a comparison of GANs and diffusion model for cave simulation	Invited		
14:00	14:15	Andrea Paxton	SLB	Automated seismic AVO reservoir characterization technologies	Invited		
14:15	14:30	Amr Abdelfattah	Halliburton	Porosity Inversion in Gulf of Suez Mature Basin using Multiple Machine Learning Applications	Invited		
14:30	14:45	Mohammed Farfour 2	Sultan Qaboos University	Machine Learning aids seismic inversion in reservoir characterization: a case study	General		
14:45	15:15	Discussion - 30 min					
15:15	15:35	Coffee Break - 20 min					
Session 8		The value of multi-azimuthal seismic data for reservoir		Session Chairs:			
15:35	15:55	Peter Harris	Sharp Reflections	Seismic Data Preparation and QC for Azimuthal Inversion in Fractured Carbonates	Keynote		
15:55	16:10	Ahmad AlHashmi	ADNOC	Joint Seismic VVAz-AVAz Inversion for a Carbonate Fracture Field Offshore Abu Dhabi	Invited		
16:10	16:25	Yugang Hong	ADNOC	Advances in Integrated Fracture Characterization: A Case Study of A Lower Cretaceous Reservoir, Offshore Abu Dhabi	General		
16:25	16:55	Discussion - 30 min					
End of Day 2							

26 February'2025							
8:00	9:00	Welcome Coffee Break					
9:00	9:15	Opening Address by ADNOC					
Session 9		Geomechanics modelling and applications		Session Chairs:			
9:15	9:35	Abdelwahab Noufal	ADNOC	QI Driven Geomechanics	Keynote		
9:35	9:50	Taiwen Chen	Kuwait Oil Company	Seismic Reservoir Characterization Case Studies for Quantitative Interpretation	Keynote		
9:50	10:05	Mustafa Malik	Halliburton	Pore Pressure Prediction & Geomechanics using Seismic Velocity & Attribute Analysis:	Invited		
10:05	10:35	Discussion - 30 min					
10:35	10:55	Coffee Break - 20 min					
Session 10		Stochastic Methods for QI in Carbonate and Clastics		Session Chairs:			
10:55	11:15	Lee Chung Shen	GeoSoftware	The integration of prior information in geostatistical inversion for realistic static modeling that matches geological concept	Keynote		
11:15	11:30	Yasser Khalifeh	Petroleum Development Oman	Seismic inversion approaches for modeling the thin sand in a Clastic Reservoirs implementation and limitations	Invited		
11:30	11:45	Yassar Goraya	ADNOC	Stochastic Seismic Inversion, a study applied to capture major heterogeneities and calculate petrophysical properties to be used as a soft constraint in building new generation models in Giant Oilfield, Offshore Abu Dhabi. A Case Study from the Middle East	General		
11:45	12:00	Ahmad Alzaruk	SLB	Carbonate Reservoir Heterogeneity Prediction Using Genetic Inversion Approach in Northeast Libya.	General		
12:00	12:30	Discussion - 30 min					
12:30	13:30	Lunch - 1hr					
Session 11		QI in tight deep clastic and unconventional reservoirs		Session Chairs:			
13:30	13:45	Karim Elsadany	SLB	Role of Integrated Multidisciplinary Reservoir Characterization Applied to Unconventional Reservoirs: Onshore Case Study, Abu Dhabi, UAE.	Invited		
13:45	14:00	Nicolas Daynac	Eliis	Integration of a high resolution stratigraphic framework, multi-attribute analysis, seismic inversion and waveform classification for sand fairways characterization	Invited		
14:00	14:15	Fadi Aljiroudi	Petroleum Development Oman	Seismic Inversion to Help Unlock Complex Reservoirs	General		
14:15	14:30	Ali Moradi Tehrani	Geosoftware	An Integrated Approach to Tight Gas Sand Reservoir Characterization: Lessons from Case Studies	General		
14:30	15:00	Discussion - 30 min					
15:00	15:20	Coffee Break - 20 min					
15:20	15:40	Wrap Up - 20 min					
End of Day 3							