

New Geophysical aspects for Production Enhancement Workshop								
START TIME	DURATION	END TIME	Presenter Name	Company	Paper Title Session Chairs	Speaker Type	Acceptance	
DAY 1 - 13 May 2025 JW Marriot, Muscat, Oman								
8:00	1:00:00	9:00	Onsite Registration					
9:00	0:05:00	9:05	HSE by hotel					
9:05	0:05:00	9:10	Welcome Address by SEG					
9:10	0:05:00	9:15	Welcome Address by co-chairs					
9:15	0:15:00	9:30	Opening Address					
9:30	0:15:00	9:45	Opening Address					
9:45	0:15:00	10:00	Committee and Sponsor Recognition					
10:00	0:10:00	10:10	Group Photo					
10:10	0:20:00	10:30	Coffee Break - 20 min					
Session 1								
			Innovation in Geophysics Acquisition		Session Chairs:	Manish Lal Khaitan	Mohammed Al-Ismaili	
1	10:30	0:20:00	10:50	Rafael Guerra	SLB	Downhole DAS seismic technology: from exploration to reservoir monitoring	Keynote	
2	10:50	0:15:00	11:05	Yu Gang	BGP	3D DAS-VSP data acquisition, processing and integrated interpretation in Junggar Basin	Invited	
3	11:05	0:15:00	11:20	Mohammed Al Hosni	Petroleum Development Oman	Opportunistic fields development seismic within WAZ surveys: Examples from the Sultanate of Oman	Invited	
			Discussion - 30 min					
			Coffee Break - 20 min					
Session 2								
			Advancement in Seismic Processing for High-Resolution Imaging		Session Chairs:			
4	12:10	0:20:00	12:30	David McCarthy	Viridien	Onshore and shallow marine FWI – looking beyond the structural image	Keynote	
5	12:30	0:15:00	12:45	Ibrahim AlHinaï	Viridien	An adapted land processing flow for QI of sand channels at the edge of seismic resolution in northern Oman.	Invited	
6	12:45	0:15:00	13:00	Amir Asnaashari	BGP	Advanced Seismic Processing and Imaging Techniques: Enhancing Subsurface Understanding	Invited	
			Discussion - 30 min					
			Lunch - 1hr 15 min					
Session 3								
			Full-Waveform imaging and Inversion (FWI)		Session Chairs:	Thomas Massip		
7	14:45	0:20:00	15:05	Olga Podgornova	SLB	Elastic Full Waveform Inversion for Borehole Seismic Data	Keynote	
8	15:05	0:15:00	15:20	Lian Duan	BGP	Prestack full waveform impedance inversion: Theory and applications	Invited	
9	15:20	0:15:00	15:35	Sulaim almaani	Viridien	Fault imaging with land FWI: A case study from north Oman	General	
			Discussion - 30 min					
			End of Day 1					
			Welcome Reception					
DAY 2 - 14 May 2025 JW Marriot, Muscat, Oman								
Session 4								
			Seismic Insights for Reservoir Characterization: Unlocking Subsurface Potential		Session Chairs:			
10	9:00	0:15:00	9:15	Amir Al Aamri	Oxy	Integrating well logs, seismic attributes & pre-stack seismic inversion to unlock Gharif opportunities	General	
11	9:15	0:15:00	9:30	Prosenjit Das	ONGC	Comprehensive analyses of diverse seismic attributes to elucidate Karst Topography in Western Offshore Basin of India	General	
12	9:30	0:15:00	9:45	Hongliu Zeng	University of Texas at Austin	Seismic sedimentology applied to high-resolution fluvial reservoir (flow unit) analysis for production optimization in the matured Cao-Hui-Dian field, Bohai Bay Basin, China	General	
			Discussion - 30 min					
			Coffee Break - 20 min					
Session 5								
			Machine Learning in Geophysics Part 1		Session Chairs:	Qais Al-Siyabi		
13	10:35	0:15:00	10:50	Syed Sadaqat S Ali	Saudi Aramco	Practical AI in Geosciences: Advancing Efficiency, Consistency, and Decision-Making	Invited	
14	10:50	0:15:00	11:05	Mujeeb Oke	ADNOC	Machine Learning in Geophysics: Enhancing Seismic Data Quality, Accelerating Interpretation, and Improving Accuracy.	Invited	
15	11:05	0:15:00	11:20	Alex Wilson	Ellis	Human Learning for Artificial Intelligence in Geoscience	Invited	
			Discussion - 30 min					
			Lunch - 1hr 15 min					
Session 6								
			Machine Learning in Geophysics Part 2		Session Chairs:			
16	13:05	0:20:00	13:25	Stewart Bruce Duncan	Kuwait Oil Company	Enhanced Well Placement, Fracturing and Production by Using Seismic Attribute Analysis to Detect Faults and Discrete Fractured Areas in an Unconventional Reservoir Tight Reservoir Setting	Keynote	
17	13:25	0:15:00	13:40	Nurhasan	Medco LLC	Seismic fracture characterization using vector high fidelity (VHF) signal enhancement technique and machine learning (ML) fault prediction: An example from Cambrian Ara/Birba Dolomite Oil Discoveries in the Sultanate of Oman	Invited	
18	13:40	0:15:00	13:55	Abdulmohsen Alali 2	Saudi Aramco	Enhanced Fault Analysis Method: Fault Connectivity	General	
			Discussion - 30 min					
			Coffee Break - 20 min					
Session 7								
			Integrated geophysical approaches for reservoir characterization and monitoring		Session Chairs:			
19	14:45	0:20:00	15:05	Rajesh Rajagopal	Kuwait Oil Company	IMPACT OF ADVANCED GEOPHYSICAL TECHNIQUES IN ENHANCING HYDROCARBON PRODUCTION	Keynote	
20	15:05	0:20:00	15:25	Youssef ARROUB	Totalenergies	4D Monitoring of Middle East Carbonate, it works. How? Integrated approach	Keynote	
21	15:25	0:15:00	15:40	Nepal Singh	ADNOC	A Novel Seismic Data Integration Approach for Enhanced Fracture Characterization to Mitigate Early Water Breakthrough in Fractured Carbonate Reservoirs	Invited	
			Discussion - 30 min					
			End of Day 2					
DAY 3 - 15 May 2025 JW Marriot, Muscat, Oman								
Coffee Break - 20 min								
Session 8								
			4D Time-Lapse Seismic for Reservoir Integrity and Drainage Optimization		Session Chairs:			
22	9:00	0:20:00	9:20	Youness El Ouair	Saudi Aramco	Overcoming Challenges in Seismic Monitoring for Carbonate Reservoirs: A Roadmap for Enhanced Reservoir Drainage Strategies in the Middle-East.	Keynote	
23	9:20	0:15:00	9:35	Mohammed Al Balushi	Petroleum Development Oman	Successful Reviving of Land Surface Seismic 4D processing in PDO	General	
24	9:35	0:15:00	9:50	AGUT Cyril	TotalEnergies	Derisking overburden integrity with 4D Seismic Monitoring: challenges and best practices.	General	
			Discussion - 30 min					
			Lunch - 1hr 15 min					
Session 9								
			Microseismic Monitoring for Hydraulic Fracturing and Production Optimization		Session Chairs:			
25	11:35	0:15:00	11:50	Takashi Mizuno	SLB	The earthquake source parameters in microseismic monitoring: Remaining challenges in the industry applications	Invited	
26	11:50	0:15:00	12:05	Iu Yao	BGP	A 3D Imaging Method for Hydraulic Fracturing Monitoring Using Surface Controlled Source Electromagnetic Method Based on Deep Learning	Invited	
27	12:05	0:15:00	12:20	Feng Heng	BGP	Application of Microseismic Monitoring Technology in Production Enhancement	General	
			Discussion - 30 min					
			Wrap Up - 20 min					
			Coffee Break - 20 min					
			End of Day 3					