

2023 HAHZ Workshop Technical Program

Day 1			Title	Session Chair / Speaker	Affiliation
8:00	0:30	Check in			
8:30	0:05	Welcome	Welcome speech by SPWLA HAHZ SIG and JFES Committee		
8:35	0:05	Safety briefing			
8:40	0:10	Day 1 Opening	Opening		
8:50	0:40	Introduction	<i>Getting awkward questions out of the way</i> <i>Who, What, When, Where, Why?</i>		
9:30	0:30	Coffee break			
Session I: HAHZ well interpretation and challenges					
10:00	0:25	Topic 1		Jennifer Market	President-Elect of SPWLA
10:25	0:25	Topic 2	Horizontal well - a double edged sword for reservoir modelling	Raffik Lazar	GeomodL
10:50	0:25	Topic 3	Correction on Shoulder-Bed and Anisotropy Effects on LWD Resistivity Logs in HAHZ Wells	John Zhou	Mawell
11:15	0:25	Topic 4	Basement Fracture Characterization in HAHZ well	An Nguyen	SLB
11:40	0:20	Discussion			
12:00	1:00	Lunch break			
Session II: Geosteering / Reservoir Mapping					
13:00	0:25	Topic 1	Application of Advanced Deep Directional Resistivity In Complex Reservoir Characterization-- A Case Study From Malay Basin	Siti Hajar Samsuddin	Hibiscus
13:25	0:25	Topic 2	Bridging Seismic to Reservoir Pore Scale with the Integration of High-Definition Reservoir Mapping and Borehole Imaging	Prillia Aufa Adriani	Petronas Indonesia
13:50	0:25	Topic 3	Characterize Amazing 3D Reservoir Heterogeneity through Multi-dimension Reservoir Scale Mapping Services in Offshore China	Chang Botao	SLB
14:15	0:20	Discussion			
14:35	0:30	Coffee break			
Session III: Look-ahead technologies					
15:05	0:25	Topic 1	ERD wellbore positioning with LWD Seismic proof of concept	Neil Kelsall	SLB
15:30	0:25	Topic 2	An integrated identification approach of abnormally high-pressure gas zones based on the look-ahead while drilling technology	Zhang Lei	SLB
15:55	0:20	Discussion			
Session IV: Data Integration & HAHZ Operation					
16:15	0:25	Topic 1	Geo-Engineering Approach Application in Lacustrine Shale Oil Reservoirs with Complex Natural Fracture	Ma Fujian	SLB
16:40	0:25	Topic 2	Well logging conveyance methodologies for high angle and horizontal well: Case study and lessons-and-learnit	Yuki Maehara	SLB
17:05	0:20	Discussion			
17:25	0:10	Day 1 Summary			

Day 2			Title	Session Chair / Speaker	Affiliation
Session V: Machine Learning / Artificial Intelligence					
8:30	0:25	Topic 1	Petrophysics Redefined: Harnessing the Power of AI	Thanapala Singam Murugesu	FESM President
8:55	0:25	Topic 2	Automated System for Feature Engineering of Petrophysical Data - Improving Machine Learning Behind Casing Opportunity Results in Highly Deviated Wells	Sulaiman Sidek	Petronas Malaysia
9:20	0:25	Topic 3	Artificial Intelligent (AI) Assisted Formation Evaluation and Reservoir Monitoring In A CO2 Producing Field: Case Studies From Offshore Peninsular Malaysia	Siti Najmi Farhan	Petronas Malaysia
9:45	0:20	Discussion			
10:05	0:25	Coffee break			
Session VI: Interpretation / Formation Evaluation					
10:30	0:25	Topic 1	Delineating the geothermal structure and flow properties in a sub-horizontal well with the use of Wireline and LWD data in a Multiphysics Advanced Pulsed Neutron Spectroscopy Logs combined with Flow	Chiara Cavalleri	SLB
10:55	0:25	Topic 2	Profiling Characterizes Oil producing Zones and De-risk Shutoff Opportunities in Complex Dynamic Multi-Phase Environment in Multi-Reservoirs	Rasheed Rahman	Hibiscus
11:20	0:25	Topic 3	Intelligent Reservoir Characterization Techniques Improving Reservoir Characterization through LWD NMR measurements in HAHZ wells	Yang Xingwang	SLB
11:45	0:20	Discussion			
12:05	1:00	Lunch break			
Session VII: Borehole Imaging technologies					
13:05	0:25	Topic 1	Geological Evaluation while drilling HAHZ wells: Where do we stand today!	Chandramani Shrivastava	Vice Chair of SPWLA BHI SIG
13:30	0:25	Topic 2	Deepening the Understanding of Reef-bank Limestone Reservoir Heterogeneity with Advantages on Borehole Image Logging Data in Horizontal Wells	Qu Chang Wei	SLB
13:55	0:25	Topic 3	A Novel Workflow on Unsupervised Deep Learning Extraction of High-Resolution Image Texture for Building Automated Image Morphofacies in Siliciclastic Depositional Environments	Ngui Jia Qi	HAL
14:20	0:20	Discussion			
14:40	0:30	Coffee break			
Session VIII: Hydrocarbon mapping and producibility					
15:10	0:25	Topic 1	Fluid Mapping While Drilling for Optimal Well Landing Decision – A Case Study from Malaysia	Aldrick Garcia Mayans	SLB
15:35	0:25	Topic 2	Monetizing Hydrocarbon Reserves In A Non-Uniform Pressure Depleted and Structurally Complex Reservoirs Through Strategic Hydrocarbon Mapping At Multiple Scales	Siti Najmi Farhan	Petronas Malaysia
16:00	0:25	Topic 3	Exploration and Production Optimization of Residual oil Through a Comprehensive LWD Methodology enabled by Novel Nuclear-Magnetic-Resonance Technology	Zhou Xin	SLB
16:25	0:20	Discussion			
16:45	0:10	Day 2 Summary			
16:55	0:20	Closing remarks			