

SPWLA 2018 Spring Topical Conference Program					
April 16-17, Frank S Millard Training Center, Houston, TX					
	Start	Speaker/Host	Affiliation	Title	Webinar
<b>Monday, April 16</b>	8:00 AM	Chicheng Xu (Chair)	Aramco Services Company	Welcome/Introduction	Yes
<b>Keynote Speech</b>	8:20 AM	John Doveton	Kansas Geological Survey	Think Deep: Some history on digital knowledge strategies in petrophysics and subsurface geology	
<b>Geological-Petrophysical Interpretation (Session I)</b>	8:50 AM	Dawn Jobe	Aramco Services Company	Prediction of Geological and Petrophysical Features Using Image Based Machine Learning	No
	9:20 AM	Irina Emelyanova	CSIRO Energy	Hierarchical spectral clustering of well logs for characterization of continental sandstones	
	9:50 AM	Ting Li	Schlumberger	Facies Classification Using Self-Organizing Maps Improves Permeability Estimation in a Heterogeneous Middle East Carbonate Field	Yes
	10:20 AM	<b>Coffee Break</b>			
<b>Geological-Petrophysical Interpretation (Session II)</b>	10:50 AM	Don Westacott	Halliburton	Modern Data Analytics Techniques applied to Unconventional Reservoir Exploration and Development	Yes
	11:20 AM	Wei Shao	Halliburton	A "Smart Data" Machine Learning Approach for Developing Petrophysical Interpretation Model	
	11:50 AM	Bo Zhang	Alabama University	Deep Machine Learning in Assisting Well Correlation Analysis	Yes
	12:20 PM	<b>Lunch Break</b>			
<b>Logging Technology</b>	1:00 PM	Yankai Xu	Schlumberger	Borehole Resistivity Measurements Modeling by Using Machine Learning Techniques	
	1:30 PM	Qiuyang Shen	University of Houston/Chevron	Interpretation of Ultra-Deep Azimuthal Propagation Resistivity Measurements Stochastic Inversion, Data Analytics, and Uncertainty Quantification	Yes
	2:00 PM	<b>Coffee Break</b>			
	2:30 PM	Guangzhi Liao	China University of Petroleum, Beijing	Real-time Multidimensional NMR data inversion with compressed sensing method	
	3:00 PM	Han Jiang	University of Texas at Austin	A study of clustering algorithms for fluid partitioning of NMR T1-T2 data in shales application to characterize fluid evolution under thermal effects	Yes
	3:30 PM	Siddharth Misra	University of Oklahoma	Shallow vs. Deep Neural Network Models for Generating the In-Situ NMR T2 Distributions Comparative Study of Shallow Learning Methods for Sonic Log Generation	
	4:15 PM	<b>Panel Discussions</b>			
<b>Tuesday April 17</b>	8:00 AM	Irina Borovskaya (Vice Chair)	SPWLA Houston	Introduction	Yes
<b>Engineering Applications</b>	8:20 AM	Dingding Chen	Halliburton	Optical Tool Database Reconstruction with Validated Mapping from Fields and Additional Oil and Gas	No
	8:50 AM	Wei Yang	Xi'an Shiyou University, China	Data-Driven thermal flooding modeling, history matching, prediction, and optimization	
	9:20 AM	Cheng xi	Xi'an Shiyou University, China	Reservoir monitoring based on big data and machine learning with Comprehensive Through Casing Resistivity logging: A case in Ordos basin, China	
	9:50 AM	<b>Coffee Break</b>			
<b>Rock Physics/Geomechanics</b>	10:20 AM	Deepak Devegowda	University of Oklahoma	Use of Data Analytics to Optimize Hydraulic Fracture Locations Along Borehole	
	10:50 AM	Ragheb Hanna	Core Laboratories	Water Saturation-Permittivity Data Analytics For Dielectric Log Calibration	
	11:20 AM	CARLOS ALBERTO	Repsol Technology Center	Rock Typing and cost-time effective Petrophysical properties prediction in carbonates using multi-energy X-Ray attenuation statistics	Yes
	11:50 AM	<b>Lunch Break</b>			
<b>Operation Practice</b>	1:00 PM	Bin Dai	Halliburton	A Machine Learning Method for Predicting Optimal Formation Pressure Testing Locations	
	1:30 PM	Vladislav Torlov	Saudi Aramco	Data-Driven Assessment of Rotary Sidewall Performance: KPI's, Recovery Trends and Qualification	
	2:00 PM	Miguel Angel Munoz Salinas	Schlumberger	Method of creating and visualizing the execution plan for reservoir sampling and pressure operations using petrophysical and operational data-driven analytics	
	2:30 PM	<b>Coffee Break</b>			
<b>Data QC/Management</b>	3:00 PM	Michael Ashby	Anardarko	Petrophysics-Driven Well Log Quality Control Using Machine Learning	No
	3:30 PM	Lin Liang	Schlumberger	Machine Learning Based Automatic Well Log Depth Matching	
	4:00 PM	Ron Clymer	Devon Energy Corporation	Advancing Subsurface Data Management For The Enterprise	
	4:30 PM	<b>Panel Discussions</b>			