The 12th UPC International Symposium on New Well Logging Techniques

Online Meeting Schedule

Notice:

a. Scheduled time: November 3 -- November 5, 2021

b. Software: Tencent Meeting or Voov Meeting

c. ID: 569 2515 5924

1. 8:30~11:55 a.m. (Beijing Time), November 3 (Keynote Speech)

8:30-9:00 Conference opening and speech 1. Vice president, UPC 2. Lichun KUANG, PetroChina; 3. Harry Xie, Vice President of SPWLA Topic: Present and Future Technological Challenges in the Formation Evaluation of Unconventional Sources of Subsurface Energy Speaker: Prof. Carlos Torres-Verdin, The University of Texas at Austin Topic: 9:25-9:50 Speaker: Lichun KUANG, PetroChina Science and Technology Management Department Topic: Advance of NMR and Core Analysis from the Technical Report of International Conference on Petroleum Industry Speaker: Harry Xie, Senior Adviser of Core Laboratories Topic: Determining Resistivity and Low-Frequency Dielectric Constant Using Induction Data in the Presence of Strong Induced Polarization Speaker: Dean M. Homan, Schlumberger Oilfield Service 10:40-11:05 Topic: Imaging Rocks: The Best Source of Data for Rock Models Speaker: Michael T. Myers, University of Houston	Time	Topic and Speaker	Host
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10:15-10:40 Using Induction Data in the Presence of Strong Induced Polarization Speaker: Dean M. Homan, Schlumberger Oilfield Service Topic: Imaging Rocks: The Best Source of Data for Rock Models Speaker: Michael T. Myers, University of Houston		Speaker: Harry Xie, Senior Adviser of Core Laboratories	
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Speaker: Michael T. Myers, University of Houston		Speaker: Dean M. Homan, Schlumberger Oilfield Service	
Speaker: Michael T. Myers, University of Houston		Topic: Imaging Rocks: The Best Source of Data for Rock Models	
	10:40-11:05		
111:(15-11:30)	11:05-11:30	Topic : Geophysical Logging in the Age of Intelligence	
Speaker: Prof. Lizhi XIAO, China University of Petroleum(Beijing)	11.00 11.00	Speaker: Prof. Lizhi XIAO, China University of Petroleum(Beijing)	
Topic: Future Explore of Artificial Intelligence in Logging Information		Topic : Future Explore of Artificial Intelligence in Logging Information	
11:30-11:55 Processing and Application	11:30-11:55		
Speaker: Prof. Cairui SHAO, China University of Petroleum (East China)	11.50 11.55		

2. 14:00~17:45 p.m. (Beijing Time), November 3 (Keynote Speech)

Time	Topic and Speaker	Host
14:00-14:25	Topic: Reservoir Engineering Surveillance Problems Solving for Tight Reservoirs at the Stage of Field Exploration and Development Speaker: Prof. Martynov V.G., President of Gubkin State University of Oil and Gas, Russia Academician of the Academy of Sciences	
14:25-14:50	Topic : progress of logging intelligent identification Methods for complex lithofacies based on machine learning Speaker: Prof. Guiwen WANG, China University of Petroleum (Beijing)	
14:50-15:15	Topic : Prediction of the Equilibrium Temperature of Rocks Based on the Processing of Temperature Measurements in the Well Speaker : Associate Prof. Guzel Vakhitova, Ufa State Petroleum Technological University	
15:15-15:40	Topic : Assessment of the Applicability of Machine Learning Algorithms for the Interpretation of Well Logging Data in the High-Viscous Oil Field of the Republic of Tatarstan (Russia) Speaker : Associate Prof. Platov B.V., Kazan Federal University	
15:40-16:05	Topic : Advance of Logging Evaluation Under the Background of Big Data Speaker : Xianran ZHAO Schlumberger Technology Services (Beijing)	
16:05-16:30	Topic : Application of Thermohydrodynamic Simulators in the Interpretation of Well Data Speaker : Prof. Timur Khabirov, Ufa State Petroleum Technological University	
16:30-16:55	Topic : Inversion method of automatic history fitting geological model based on reservoir production performance Speaker : Prof. Kai ZHANG, Qingdao University of Technology	
16:55-17:20	Topic: New Machine Learning Technology Application for Well Interference Evaluation and Oil Production Enhancement Speaker: Associate Prof. Gulyaev D.N., Gubkin State University of Oil and Gas	
17:20-17:45	Topic : Uncertainty and Interpretability of Machine Learning Models: A Case Study of Logging Data Applications Speaker : Prof. Hua WANG, University of Electronic Science and Technology of China	

3. 8:30~12:00 a.m.(Beijing Time), November 4

Time	Topic and Speaker	Host
8:30-8:55	Topic: Borehole Acoustic Full Waveform Inversion (Keynote Speech) Speaker: Prof. Arthur Cheng, National University of Singapore	
8:55-9:20	Topic : Artificial Intelligence in Petrophysics: The Role of Mathematics and Physics (Keynote Speech) Speaker : Chicheng Xu, Aramco America: Aramco Research Center - Houston	
9:20-9:45	Topic : Data-Driven Reduced Order Models for Simulation and Imaging of Resistivity Measurements (Keynote Speech) Speaker : Vladimir Druskin, Worcester polytechnic institute	
9:45-10:10	Topic : Physics-Driven Machine Learning-Enable Automatic Borehole Sonic Shear Processing (Keynote Speech) Speaker : Lin Liang, Science Advisor of Schlumberger-Doll Research Centre	
10:10-10:35	Topic : Increased Reservoir Understanding in Three Dimensions, with Inversion of Ultra-Deep Electromagnetic LWD Data (Keynote Speech) Speaker : Nigel Clegg, Halliburton, Science Advisor	
10:35-11:00	Topic : Multi-scale and multi-field coupled computational geoscience and its potential application in unconventional oil and gas fields (Keynote Speech) Speaker : Prof. Huilin XING, Ocean University of China	
11:00-11:15	Topic: Logging Intelligent Interpretation Method of Deep and Unconventional Oil and Gas Speaker: Prof. Maojin TAN, China University of Geosciences (Beijing)	
11:15-11:30	Topic : Unconventional Reservoir Saturation Modeling and Application Based on Digital Core Technology Speaker : Chaoliu LI, PetroChina Exploration & Development Research Institute	
11:30-11:45	Topic : Genesis Analysis and Logging Evaluation Method of Deep and Ultradeep Tight Sandstone Speaker : Jinbin WAN, Logging Application Research Institute, China Petroleum Logging Co., LTD	
11:45-12:00	Topic : Multi-dimensional NMR Logging Data Processing and Application Based on Blind Source Separation Technology Speaker : Xinmin GE, China University of Petroleum (East China)	

4. 14:00~18:00 p.m. (Beijing Time), November 4

Time	Topic and Speaker	Host
	Topic:Sinopec New Generation Intelligent Logging Interpretation Platform	
14:00-14:15	Speaker: Wei WANG, Sinopec Research Institute of Petroleum	
	Engineering	
	Topic: Development of AI Analysis and Prediction Platform for Logging	
14.15 14.20	Data	
14:15-14:30	Speaker: Xiaobing HE, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic : Boosting Algorithm and Small-sample Machine Learning for	
14:30-14:45	Reservoir Division	
14.30-14.43	Speaker: Hejun LV, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic : Logging Curve Reconstruction Method Based on Machine	
14:45-15:00	Learning	
	Speaker: Zhaohui XU, China University of Petroleum (Beijing)	
15:00-15:15	Topic : Intelligent Computation Method of Acoustic Time Difference	
	Based on Machine Learning	
	Speaker: Chuan FAN, Oilfield Technology Division of China Oilfield	
	Services Limited	
	Topic: Glutenite Reservoir Parameter Prediction Based on Machine	
15:15-15:30	Learning	
	Speaker: Jianpeng ZHAO, Xi'an Shiyou University	
15:30-15:45	Topic: Logging Characterization and Progress of Sweet-spot Elements of	
	Carbonate-rich Shale Oil in Jiyang Depression	
	Speaker: Min WANG, Petroleum Exploration and Production Reseach	
	Institute, Shengli Oilfield Branch of Sinopec	
15:45-16:00	Topic: Three Methods and Interpretation Chart of Cementing Quality	
15:45-16:00	Evaluation Using Array Acoustic Logging	

Time	Topic and Speaker	Host
	Speaker: Jianguo SHEN, Tianjin University	
16:00-16:15	Topic: Advances in Borehole Time-domain Electromagnetic Logging	
	Speaker: Zhanshan XIAO, Logging Application Research Institute, China	
	Petroleum Logging Co., LTD	
	Topic: Experimental Law and Conduction Model of Pyrite-bearing Low	
16:15-16:30	Resistivity Reservoir	
	Speaker: Xiaomin TANG, Northeast Petroleum University	
	Topic: Study on New Logging Method Based on the Coupling of	
16:30-16:45	Electromagnetic and Ultrasonic	
10.30-10.43	Speaker: Yanhong LI, Institute of Electrical Engineering of Chinese	
	Academy of Sciences	
	Topic : Software Implementation of Lithologic-density Logging Calibration	
16:45-17:00	and Algorithm	
16:45-17:00	Speaker: Huihong XU, Beijing Logging Research Institute of China	
	Petroleum Logging Co., LTD	
	Topic : Tight-gas Logging Comprehensive Evaluation in Linxing-Shenfu	
17:00-17:15	Area	
	Speaker: Jiajie CHENG, China Oilfield Services Limited	
17:15-17:30	Topic: 3D Inversion and Evaluation of Resistivity LWD in Horizontal	
	Wells	
	Speaker: Hongwei ZHANG, Oilfield Technology Division of China	
	Oilfield Services Limited	
17:30-17:45	Topic: Log Facies Identification and Curve Prediction Based on Machine	
	Learning	
	Speaker: Qiu DENG, Paradigm Technology Co. Ltd.	
	Topic: Numerical Simulation Analysis and Application of LWD Focused	
17:45-18:00	Resistivity Measurement	
	Speaker: Jie LIU, FairOak Technology Inc.	

5. 8:30~11:45 a.m. (Beijing Time), November 5

Time	Topic and Speaker	Hos
8:30-8:45	Topic: Reservoir Compressibility Evaluation by Dipole Acoustic Logging	
	Speaker: Zhenzhen QI, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
0.45.0.00	Topic: Reservoir Permeability Prediction and Quality Evaluation Based on	
	BP Neural Network of Optimized Random Forest Model	
8:45-9:00	Speaker: Meng WANG, Oilfield Technology Division of China Oilfield	
	Services Limited	
	Topic : Pore Structure Evaluation of Low Permeability Glutenite Reservoir	
9:00-9:15	Based on Digital Core	
9.00-9.13	Speaker: Zhenlin LI, Logging Application Research Institute, China	
	Petroleum Logging Co., LTD	
9:15-9:30	Topic : Crack Detection Method Based on Improved Yolo4 Deep Learning	
	Speaker: Suwen HE, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic : Application of Geosteering Techniques for LWD in Horizontal Well	
9:30-9:45	Speaker: Chaochao Yang, Logging Application Research Institute, China	
	Petroleum Logging Co., LTD	
9:45-10:00	Topic: Research on Resistivity Logging Method and Equipment of	
	Transient Field Through Casing	
	Speaker: Qingle ZHAN, 22nd Research Institute of China Electronics	
	Technology Group Corporation	
10:00-10:15	Topic: Comprehensive Evaluation of Semideep-deep Reservoir	
	Compressibility: A Case Study of Huachang Area in Fushan Sag	
	Speaker: Bo WEI, Logging Application Research Institute, China	
	Petroleum Logging Co., LTD	

Time	Topic and Speaker	Host
10:15-10:30	Topic : Intelligent Quantitative Evaluation Method of the Second Interface	
	Cement by Integrated Learning	
	Speaker: Weiwei Zhao, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic: Design and Field test of Array Density Logging Tool Through	
10:30-10:45	Casing	
10:30-10:43	Speaker: Maosong TONG, Daqing Branch of China Petroleum Logging	
	Co., LTD	
10:45-11:00	Topic: Influence of Rock Fracture Morphology on Resistivity Using	
	Numerical Simulation	
	Speaker: Chenjun ZHANG, Logging Application Research Institute of	
	China Petroleum Logging Co., LTD	
11:00-11:15	Topic : Second Interface Evaluation Technique for VDL	
	Speaker: Baixin ZHANG, Xinjiang Branch of China Petroleum Logging	
	Co., LTD	
11:15-11:30	Topic: Functional Design and Prototype Development of Full-size Core	
	NMR Measuring Instrument in Drilling Site	
	Speaker: Fei WU, Suzhou Niumag Analytical Instrument Corporation	
11 20 11 17	Topic : Digital Cores (Digital Rock physics)	
11:30-11:45	Speaker: Yuqi WU, China University of Petroleum (East China)	

6. 14:00~17:30 p.m. (Beijing Time), November 5

Time	Topic and Speaker	Host
	Topic: Comprehensive Evaluation of Carbonate Fractured Reservoir in	
14:00-14:15	Daniudi Gas Field	
	Speaker: Bingyan BAI, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic: Reservoir Oil-bearing Property Evaluation and Pore Structure in	
14:15-14:30	Guanzhen Sub-depression, North Jiangsu Basin	
14.13-14.30	Speaker: Hesong SU, North China Measurement & Control Branch of	
	Sinopec Matrix Corporation	
	Topic: Electrical Resistivity Tomography (ERT) and Equipment	
14:30-14:45	Speaker: Jigen XIA, 22nd Research Institute of China Electronics	
	Technology Group Corporation	
	Topic : Evaluation of Application Effect of Long-term Shutdown Production	
14 45 15 00	Recovery in Jiyuan Area	
14:45-15:00	Speaker: Ning GAN, Logging Application Research Institute of China	
	Petroleum Logging Co., LTD	
15:00-15:15	Topic : Evaluation of Shale Oil Availability Based on High-pressure Mercury	
	Injection Experiment	
	Speaker: Fan YANG, Logging Application Research Institute of China	
	Petroleum Logging Co., LTD	
15:15-15:30	Topic: Porosity Calculation Method of Lacustrine Shale Reservoir	
	Speaker: Xiuying SUI, Logging Application Research Institute, China	
	Petroleum Logging Co., LTD	
15:30-15:45	Topic: Research and Application of Formation-boundary Detection	
	Technology Based on Biorthogonal Antenna	
	Speaker: Zhen YANG, Sinopec Matrix Corporation	

Time	Topic and Speaker	Host
15:45-16:00	Topic : Quantitative Identification of Complex Clastic Rocks in Wuerxun Sag Speaker : Gang HU, Logging Application Research Institute of China Petroleum Logging Co., LTD	
16:00-16:15	Topic: Sweet-spot Evaluation of Continental Shale Gas Reservoir and Logging Series Optimization in Ordos Basin Speaker: Yuhan TAN, Logging Application Research Institute of China Petroleum Logging Co., LTD	
16:15-16:30	Topic: Dual Mode Acoustic Logging Tool Design With IWS High SNR Speaker: Maosong TONG, Daqing Branch of China Petroleum Logging Co., LTD	
	Topic: A New NMR Method for Evaluating Reservoir Microscopic Heterogeneity Speaker: Huabing LIU, Beijing Limecho Technology Co., Ltd	
16:45-17:30	Closing Ceremony	