

SPWLA 67th Annual Logging Symposium
Margaritaville Hotel Resort, Lake Conroe, TX, USA
May 18-20, 2026

MONDAY – May 18th

- 8:00 AM **Opening Remarks** – SPWLA 67th President – Robert H. Gales, Halliburton
8:15 AM **Keynote Speaker** – Thaimar Ramirez, President and General Manager, Midland Basin, Onshore Resources and Carbon Management, Oxy; SPWLA 57th President
9:00 AM **Introduction of Technical Sessions** – Vice President of Technology – Robin Slocombe, AWS Energy
9:15 AM **Break (15 mins)**

Session 1 (Compass Center)

Innovative Borehole Imaging for Enhanced Reservoir Characterization

Co-chairs: Jennifer Market (Well ID), Robin Slocombe (AWS)

- 9:30 AM **SPWLA-2026-0001** **Advanced Borehole Image Processing for Characterizing Ultra-Deep Water and Ultra-Shallow Gas Reservoirs**
Shiduo Yang, China Oilfield Service Ltd.; Di Tang, CNOOC; Quan Zhou, Lu Yin, Yue Wang, Wei Xiang, and Yaowei Liu, China Oilfield Service Ltd.
- 9:50 AM **SPWLA-2026-0002** **A Bidirectional Speed Correction Framework Supporting Depth-Domain and Time-Domain Data for Complex Logging Scenarios**
Yubo Liu, China National Logging Corporation; Jun Zhou, Luqiao Ni, and Juan Zhang, China National Logging Corporation and China University of Petroleum, Beijing; Pei Sun, Guojun Li, Changjiang Yu, Xiaolei Chen, Huijuan Wang, and Zhiyu Long, China National Logging Corporation
- 10:10 AM **SPWLA-2026-0003** **A New Micro-Resistivity Imaging LWD Sensor for Large Boreholes and Oil Base Mud Is Instrumental in Formation Evaluation of Thinly Bedded Reservoirs**
Roland Chemali, Jennifer Market, and Lars Øy, Well ID; Thomas Mikuz, OMV
- 10:30 AM **SPWLA-2026-0004** **A Comprehensive Approach to Optimize Completions Design for Conglomerates and Fractured and Weathered Basement Reservoir Rocks**
Jose Antonio Herrera, Halliburton; Aarti Wandena Paulus, Aker BP; Sayyid Ahmad, and Gianbattista Tosi, Halliburton; Sanaz Javid, AkerBP

Session 2 (Coastal Ballroom)

Petrophysics in Energy Transition: CCUS and Geothermal Applications 1

Co-chairs: Amer Hanif (Baker Hughes), Joe Comisky (Devon)

- 9:30 AM **SPWLA-2026-0005** **A Multiscale Investigation of CO₂–Rock Interactions and Their Impacts on Fluid Distribution in Saline Aquifers**
Ibrahim Gomaa, Zoya Heidari, The University of Texas at Austin; Kristoffer Walker, Chevron U.S.A. Inc.
- 9:50 AM **SPWLA-2026-0006** **Effects of Wetting Conditions and Bottomhole Pressure on CO₂ Plume Spread and Saturation in Saline Aquifers**
Majid Hussain, Jin Xue, Bilal Ibrahim, and Fathi Boukadi, University of Louisiana at Lafayette

10:10 AM **SPWLA-2026-0007** **Establishing a Standard Workflow for Geothermal Reservoir Characterization: Insights from the Hatchobaru Geothermal Field**
Yuki Maehara, SLB; Chiaki Morelli, SLB and Kyushu University; Kai Sato, SLB; Takayuki Wada, West Japan Engineering Consultants, Inc.; Dongdong Cheng, Taichi Hirose, Lingdan Xia, and Florian Karpfinger, SLB

10:30 AM **SPWLA-2026-0008** **In Situ Growth of Metal-Organic Frameworks (MOFs) in Rocks for CO₂ Capture and Storage**
Long Zhou, and Guangzhi Liao, China University of Petroleum (Beijing); Tingting Lin, Jilin University; Xueli Hou, and Long Yu, China National Logging Corporation; Lizhi Xiao, China University of Petroleum (Beijing)

10:50 AM *Break (10 mins)*

Session 3 (Compass Center)

[Petrophysics in Energy Transition: CCUS and Geothermal Applications 2](#)

Co-chairs: Tianmin Jiang (ConocoPhillips), Adam Haecker (Milestone Environmental)

11:00 AM **SPWLA-2026-0009** **Electrical Resistivity Alterations in Sandstone Induced by CO₂ and Associated Impurities**
Benjamin Harrell, Arun Verma, Guadalupe Herrera, Everett Harrison, and Yani C. Araujo de Itriago, Intertek Westport Technology Center

11:20 AM **SPWLA-2026-0010** **Impacts of Brine and Supercritical CO₂ Distribution on the Acoustic Properties of Rocks**
Jamil El Masry, Ibrahim Gomaa, and Zoya Heidari, The University of Texas at Austin; Elsa Maalouf, American University of Beirut

11:40 AM **SPWLA-2026-0011** **Advanced Techniques for Enhancing Porosity Characterization Using Dielectric Measurements During CO₂ Sequestration in the Carbonate Reservoirs**
Muhammad Noman Khan, Lori Hathon, Mike Myers, and James J. Funk, University of Houston; Brian McPherson, University of Utah; Ganesh C. Thakur, University of Houston

12:00 PM **SPWLA-2026-0012** **Correlation Between Thermal Conductivity and Elastic Wave Velocity in Quartz Sandstone and Unconsolidated Sand Packs**
Yanming Chen, Michael T. Myers, Lori A. Hathon, Gabriel Unomah, and David Myers, University of Houston

Session 4 (Coastal Ballroom)

[Specialized Measurement Technologies and Interpretation Methods](#)

Co-chairs: Robert Gales (Halliburton), Nelson Suarez (Pangea Geoscience)

11:00 AM **SPWLA-2026-0013** **Comparing Dielectric Estimates and Dielectric Inversion for Propagation-Resistivity Tools**
Holger Thern, Baker Hughes; and Martin Lüling, No Hidden Pay

11:20 AM **SPWLA-2026-0014** **Laboratory Measurement Of Effective Permeability For Removable Oil And Water In Shale**
Sheng Peng, The University of Texas at Austin

11:40 AM **SPWLA-2026-0015** **Lithium Detection Using Spectral Induced Polarization: Laboratory Insights for Future Downhole Measurements**
Rahaf Jaizani, Saleh M. Komies, and Rand Alqahtani, Saudi Aramco; Panagiotis Kirmizakis, and Sara Kellal, King Fahad Univeristy of Petroleum and Minerals

12:00 PM **SPWLA-2026-0016** **In-Lab Electrical Resistivity Measurements to Quantify Flow-Related Properties During Capillary-Dominated Waterflood**
Mohamad Abdo, and Carlos Torres-Verdín, The University of Texas at Austin

12:30 – 1:40 PM **LUNCH (Annual Business Meeting) – (Lakeview on the 2nd floor)**

1:45 PM **Break (5 mins)**

Session 5 (Compass Center)

Advanced Geosteering Techniques and UDAR

Co-chairs: Zoya Heidari (University of Texas), Keli Sun (SLB)

1:50 PM **SPWLA-2026-0017** **Advanced Well Positioning System with AI-Driven Telemetry for Geosteering Application: Transforming Relative Reservoir Mapping into Absolute Field Accuracy**
Diogo Salim, Ligia Matos, Alex Neves, Lucas Oliveira, and Fernanda Pereira, SLB; Antonio Mainieri da Cunha, and Silas da Rocha Roberto, Petrobras

2:10 PM **SPWLA-2026-0018** **Advancing Precision and Efficiency through Geosteering Automation: Automating Dip Analysis, Bed Boundary Mapping, and Well Placement While Drilling in Real-Time**
Mohamed Fouda, Vytautas Usaitis, Eduard Bikchandaev, Ahmed Taher, and Dania Issa, Halliburton

2:30 PM **SPWLA-2026-0019** **Results of At-Bit Imaging Field Deployment: Learnings and Case Studies from a New Logging Measurement**
Kjell Haugvaldstad, Chandramani Shrivastava, and Pusheng Zhang, SLB

2:50 PM **SPWLA-2026-0020** **Unified UDAR-DAR 3D Inversion: Unlocking Deeper Geological Insights**
Jin Ma, Ting Yan, Dagang Wu, Ivan Efimov, Yijing Fan, Hsu-Hsiang Wu, Clint Lozinsky, and Michael Bittar, Halliburton

3:10 PM **SPWLA-2026-0021** **Precision Landing On The First Global Deployment Of New Generation Multi Depth Azimuthal Resistivity In Low Resistivity Contrast and Thin Bed Environment**
Ayman Khamry, and Ramy Abdelkader, Saudi Aramco; Yazil Abbas, James Dolan, and Mike Bower, SLB

Session 6 (Coastal Ballroom)

Advancements in Machine Learning and AI for Petrophysical Applications 1

Co-chairs: Hua Wang (UESTC), Radu Coman (Baker Hughes)

1:50 PM **SPWLA-2026-0022** **Integrating Intelligent Steering and Continuous Surveying For Accurate 3D Trajectory Execution In Challenging Carbonate Formations**
Faisal Al-Naqa, Altaf Al-Shammari, and Mahmoud Elgharbawy, Kuwait Oil Company; Dania Issa, Nadir Ferhi, Moataz El-Demerdash, and Vytautas Usaitis, Halliburton

2:10 PM **SPWLA-2026-0023** **AI-Augmented Reservoir Mapping Inversion Technique for Enhanced UDAR Resistivity Imaging**
George Bittar, University of Houston; Hsu-Hsiang (Mark) Wu, Dagang Wu, and Michael Bittar, Halliburton; Xuqing Wu, and Jiefu Chen, University of Houston

2:30 PM **SPWLA-2026-0024** **Estimation of Petrophysical Properties From Laser Particle-Size Measurements: Applications To Permeability, Shale Volume, And Capillary Pressure**
Oriyomi Raheem and Carlos Torres-Verdin, The University of Texas at Austin; Chicheng Xu, OpenPetro AI

2:50 PM **SPWLA-2026-0025** **Optimizing Signal-to-Noise Ratio in NMR Logging: Implementation and Assessment of the FastICA Algorithm**
Paulo Roberto Alves Netto, Petrobras; Pedro Romero, Houston Christian University, and Giovanni Stael, National Observatory

3:10 PM **SPWLA-2026-0026** **Enhancing Accuracy And Generalization In Well-Log Interpretation Via A Knowledge-Guided Large Time-Series Model**
Pin Li, Jun Zhou, Juan Zhang, Lei Wan, Yi Gao, Yan Liu, and Yubo Liu, China National Logging Corporation

Session 7 (Compass East)

[Poster Session 1](#)

Co-chairs: Robin Slocombe (AWS), Chinwendu Mogbo (Sahara)

3:30 PM **SPWLA-2026-0027** **Geosteering in Ultra-Thin Reservoirs: High-Definition Boundary Mapping LWD for Precise Well Placement**
Ahmad Awadh, Meyar Shehab, Mohamed Fouda, Ahmed Maher, Nabila Lebnane, Halliburton; Waleed Al-Kandary, Fayez AlMutairi, Hossameldin Ibrahim, and David Olutusin, Kuwait Oil Company

3:30 PM **SPWLA-2026-0028** **Data-Driven Reservoir Characterization and Modelling: From Rock Typing to Unsupervised Machine Learning**
André M. Souza, University of São Paulo and WIISE Vision; Paola M. C. Braga, WIISE Vision; Vitor P. Matias, University of São Paulo; Rodrigo B. Piva, University of São Paulo and WIISE Vision; João V. L. P. dos Santos, WIISE Vision; Mirela T. Cazzolato, University of São Paulo; Tanguy Lhomme, and Christophe Germy, EPSLOG; Iulian N. Hulea, Global Petrophysical Advisors B.V.

3:30 PM **SPWLA-2026-0029** **AI-Driven Inversion Framework for Ultrasonic Measurements in Underbalanced Coiled Tubing Drilling: Synthetic Data Validation**
Rand Alqahtani, Klemens Katterbauer, and Saleh Komies, Saudi Aramco

3:30 PM **SPWLA-2026-0030** **Lithology Identification in Glutenite Reservoirs from Electrical Imaging Logs by Integrating Physical Constraints with Semi-Supervised Learning**
Yizhuo Ai, Liang Wang, Mingxuan Gu, Gang Li, and Pengda Shi, Chengdu University of Technology

3:30 PM **SPWLA-2026-0031** **Machine Learning-Based Depth Selection for Enhancing Wireline Formation Testing Efficiency in Complex Siliciclastic Reservoirs**
Kassem Kalife Nege, Artur Costa Sarmiento, Vitoria Gomes Pereira Flores, Henrique Antunes Padoves, and Vinicius Veríssimo Nóbrega de Oliveira, ENEVA; Paulo Couto, Universidade Federal do Rio de Janeiro

3:30 PM **SPWLA-2026-0032** **High Performance Workflow for Automated Log Conditioning and Quality Control for Field-Scale Evaluation – From Months to Hours**
Mohammad Taghi Salehi, Jean-Etienne Jacolin, Sylvain Wlodarczyk, Vanessa Garnier, Sohaib Ouzineb, and Mahmoud Yassin, SLB

3:30 PM **SPWLA-2026-0033** **Petrophysical Insights from Cased Hole Measurements to Support Field Redevelopment and Extended Exploration**
Zsuzsanna Winkler, István Szabó, and Éva Szabóné Veres, MOL Plc.

- 3:30 PM **SPWLA-2026-0034** **Analysis of a Pipe Conveyed Pulse Echo Ultrasonic Tool for Verification of Formation as a Barrier**
Andy Hawthorn, Baker Hughes; Sigrid Kramer AkerBP; Roger Steinsiek, and Fabio Amaral, Baker Hughes; Laurent Delabroy, AkerBP
- 3:30 PM **SPWLA-2026-0035** **Revealing Gas Potential in Half-Century-Old Wells by Advanced Pulsed Neutron Logging Behind the Casing: Case Study in Sichuan Basin, China**
Zuoan Zhao and Jizhi Zhang, PetroChina Southwest Oil and Gas Company; Kaixuan Li, Yanyan Chen, Liang Cai, Daiguo Yu, Changwei Qu, and Jinlong Wu, SLB
- 3:30 PM **SPWLA-2026-0036** **Quantitative Evaluation of Reservoir Gas Content Using Full-Diameter Core Mobile NMR Scanning**
Bai Sha, Shi Yujiang, Zhang Haining, Zhao Jianbin, Cai Wenyuan, Liu Peng, Han Bo, Fang Chaoqiang, China National Logging Corporation
- 3:30 PM **SPWLA-2026-0037** **Integrating X-ray μ CT and Pore-Scale Simulation for Capillary Pressure and Relative Permeability Estimation**
Ronaldo Herlinger Junior, Petrobras S.A.; Mark Knackstedt, and Benjamin Young, Australian National University; Alexandre Campana Vidal, Unicamp; Paulo Roberto Alves Netto, Petrobras S.A.
- 3:30 PM **SPWLA-2026-0038** **Dry Shale Density and Depth Variation**
Richard Bootle, and Egil Fjeldberg, Aker BP
- 3:30 PM **SPWLA-2026-0039** **Influence of Salt Type and Concentration in Brine on the Dielectric Permittivity of Rocks**
Mariella Khoury, Zulkuf Azizoglu, and Zoya Heidari, The University of Texas at Austin
- 3:30 PM **SPWLA-2026-0040** **Conditioning Capillary Pressure Data to Improve Saturation-Height Modelling in Microporosity-Dominated Barik Formation**
Safa Al-Breiki, Behrooz Raeesi, Pavel Gramin, Peter Armitage, and German Merletti, BP
- 3:30 PM **SPWLA-2026-0041** **Revealing the Mystery of Characteristics of Fracture Gneiss Reservoir by the Integration of Advanced Logging Techniques, Case Study from East China Sea Basin**
Yuchun He, and Guodong Zhang, CNOOC Shanghai Ltd.; Changwei Qu, SLB; Yunfeng Lu, China Oilfield Services Limited; Da Sheng, CNOOC Ltd.; Hongwei Zhang, China Oilfield Services Limited; Anjie Xiong, CNOOC Energy Technology & Services Limited

Session 8 (Coastal Ballroom)

[Advances in Automation for Formation Evaluation](#)

Co-chairs: Adam Haecker (Milestone Environmental), Keli Sun (SLB)

- 3:50 PM **SPWLA-2026-0042** **Automated Fracture Extraction For Highly Fractured Formations Across All Borehole Imaging Tools And Well Deviations**
Nadege Bize-Forest, Daniel Quesada, Laure Su, Martin Carles, Josselin Kherroubi, and Peter Schlicht, SLB
- 4:10 PM **SPWLA-2026-0043** **Automated Petrophysics For Real-Time Geosteering**
Yevgeny Karpekin, Zeyad Ramadan, Vikas Jain, Chuks Akpenyi, Egor Kovarskiy, Guillermo Cuadros, Patricio Zamora, Alex Iza, Pablo Cisneros, Vinicio Mena, SLB
- 4:30 PM **SPWLA-2026-0044** **Automated Multivariate Well Log Normalization With Gaussian Mixture Modeling: Honoring Joint Log Properties And Geological Context**

Mason Edwards, Artur Posenato Garcia, Kevin Kaczorowski, Michael Cheshire, Luisa Crousse, Andrew Tipton, and Haijing Wang, Chevron U.S.A. Inc.

4:50 PM **SPWLA-2026-0045** **Automating Geological Formation And Marker Propagation Using Self-Supervised Deep Learning: Application To The Powder River Basin**
Vanessa Simoes, Per Irgens, Ben Hoffman, and Shashin Sharan, SLB

5:10 PM **SPWLA-2026-0046** **Assessment of Directional Textural Heterogeneity via Integration of 3D Micro-CT-Scan and 3D Whole-Core-CT-Scan Images**
Pallavi Sahu, Zoya Heidari, Fahid Abu-Salah, and, Dalma Arrieta, University of Texas at Austin; Plinio Cancio Rocha da Silva and Gabriel Feres Nassau, Petrobras

Session 9 (Compass Center)

Carbonates Evaluation and Special Applied Technologies

Co-chairs: Javier Miranda (ONGC Videsh Atlantic Inc.), Matthew Blyth (Islay Subsurface LLC)

3:50 PM **SPWLA-2026-0047** **Assessment Of Directional Permeability Using Integration Of NMR And Hydraulic/Electric Current Flow In Complex Carbonate Formations**
Dalma Arrieta, Pallavi Sahu, and Zoya Heidari, The University of Texas at Austin; Gabriel Feres Nassau and Plinio Cândia, Petrobras

4:10 PM **SPWLA-2026-0048** **Log Characterization Of Bitumen In Pre-Salt Of Santos Basin – Brazil**
Valerio Picorelli Ladeira Dutra, Júlia Campos Guerrero, Gabriel do Nascimento Freitas, Bruno Eustaquio Moreira Lima, Luma Botelho de Souza, and Leonardo Gonçalves, Petrobras - Petróleo Brasileiro S.A.

4:30 PM **SPWLA-2026-0049** **From Matrix To Karst: Multiscale Permeability Prediction For Dissolved Carbonates**
Perrine Baron, and Emmanuel Caroli, TotalEnergies; Lionel Degermann, Consultant; Adrien Embs--Schneider, and Emmanuelle Poli, TotalEnergies

4:50 PM **SPWLA-2026-0050** **Implications Of Lateral Vibrations On NMR Response In Pre-Salt Carbonates, Santos Basin, Brazil**
Elisangela Cordeiro Pessoa, Larissa Furtado Torres, Larissa de Santana do Nascimento, Marcio Roque Coutinho, Abel da Silva Hermida, Hugo Raphael Gomes Silva, Pedro Bevilacqua da Matta Pereira de Vasconcellos, and Tiago de Bittencourt Rossi, Petrobras

5:10 PM **SPWLA-2026-0051** **Permeability Evaluation of Pore-Type Carbonate Reservoirs Based on Fractal Theory and Flow Units**
Gang Li, Liang Wang, Mingxuan Gu, Yizhuo Ai, and Pengda Shi, Chengdu University of Technology

5:30 PM **End of 1st Day -Adjourn**

TUESDAY – May 19th

Session 10 (Coastal Ballroom)

Formation Testing and Sampling

Co-chairs: Sami Eyuboglu (Halliburton), Hani Elshahawi (NoviDigiTech)

- 8:00 AM **SPWLA-2026-0052** **Resolving Fluid Evaluation Dilemmas In Carbonate Reservoirs: A Novel Workflow Leveraging New-Generation Formation Testing**
Zuoan Zhao, and Qiang Liu, PetroChina Southwest Oil and Gasfield Company; Zhaoya Fan, Kaixuan Li, Feng Pan, and Jichao Chen, SLB; Ailin Zhao, and Yuyu Wu, PetroChina Southwest Oil and Gasfield Company; Bonan Ren, and Daiguo Yu, SLB
- 8:20 AM **SPWLA-2026-0053** **Influencing Factors on the Mobility of Formation Testing While Drilling for Inclined Boreholes in Anisotropic Formations**
Lejun Wu and Xiaodong Li, Well-Tech of China Oilfield Service Limited; Nian Peng, Chongqing University of Science and Technology; Tianshou Ma, Southwest Petroleum University
- 8:40 AM **SPWLA-2026-0054** **Hot Zone, Cool Strategy: Simulation Modeling to Enable FSWD in Over-Spec High Temperature Reservoir**
Aldrick Garcia Mayans, and Morten Kristensen, SLB
- 9:00 AM **SPWLA-2026-0055** **New Techniques of Cyclical Stress Testing Overcoming Drilling and Near-Wellbore Effects**
Gibran Hashmi, Jeff Hemsing, Venkataraman Jambunathan, Sayyid Ahmad, Sami Eyuboglu, Jose Mario Hernandez, and Jose Mata Leon, Halliburton
- 9:20 AM **SPWLA-2026-0056** **Breakthrough Early Dynamic Reservoir Evaluation: Large Interval Transient Testing for Robust Flow Capacity Evaluation**
Shyam Ramaswami, Thomas Pfeiffer, Peter in 't Panhuis, John O'Grady, and Roos van Ditzhuijzen, Shell; Francois Dubost, and Adriaan Gisolf, SLB
- 9:40 AM **SPWLA-2026-0057** **New Insights for Obtaining Accurate Formation Pressure Measurements in Complex Conglomerates and Tight Basement Reservoir – A Case Study from Norwegian Sea**
Sayyid Ahmad, and Venkat Jambunathan, Halliburton; Sanaz Javid, Aker BP ASA; Gianbattista Tosi, and Gibran Hashmi, Halliburton

Session 11 (Compass Center)

Distributed Fiber Optics for Formation Evaluation

Co-chairs: Tiago de Bittencourt Rossi (Petrobras), Hua Wang (UESTC)

- 8:00 AM **SPWLA-2026-0058** **DAS Flow Monitoring With Short-Time Velocity Likelihood Maps Informed by Interrogator Performance Metrics**
Peyman Moradi, Baker Hughes
- 8:20 AM **SPWLA-2026-0059** **Lossy Compression Of DAS Data Via Wavelet Decomposition: Preserving Signal Integrity At Scale**
Peter in 't Panhuis, Shell Global Solutions Internations B.V.

- 8:40 AM **SPWLA-2026-0060** **Real-Time Wellbore Integrity Monitoring in CO₂ Injection Wells Using Distributed Temperature Sensing Data**
Saida Machicote, and Marco Pirrone, Eni S.p.A.; Tommaso Mantegazza, EniProgetti S.p.A.
- 9:00 AM **SPWLA-2026-0061** **Evaluation of Deployment Strategies for Low-Frequency Distributed Acoustic Sensors for Monitoring Hydraulic Fracture Propagation**
A. Dan Hill, Ding Zhu, and Peter Chauvel, Texas A&M University
- 9:20 AM **SPWLA-2026-0062** **Research on Interpretation and Evaluation Methods for In-Well Hydraulic Fracturing Monitoring Based on DAS Logging**
Rui Deng and Lixiong Gan, Yangtze University and China National Logging Corporation; Yujiang Shi, Haining Zhang, Songtao Bai, Shitao Cui, Wenhui Chen, Bingjun Zhang, and Wenqiang Liu, China National Logging Corporation; Yong Wang, PetroChina Qinghai Oilfield Company
- 9:40 AM **SPWLA-2026-0063** **Evaluating Fluid Distribution by Distributed Acoustic Sensing (DAS) with Perforation Erosion Effect**
Daichi Oshikata, Ding Zhu, and A.D. Hill, Texas A&M University
- 10:00 AM **Break (15 mins)**

Session 12 (Coastal Ballroom)

Cased Hole Logging: Evaluation and Surveillance Techniques 1

Co-chairs: Javier Miranda (ONGC Videsh Atlantic Inc.), Oriyomi N Raheem (UT

- 10:15 AM **SPWLA-2026-0064** **Pulsed-Neutron Logs for CCS: Further Insights into Storage and Injectivity Performance**
Robert Laronga, Morten Kristensen, Violeta Lujan, Niranjana Aryal, and Erik Borchardt, SLB
- 10:35 AM **SPWLA-2026-0065** **Multi-String Pipe Collar Detection Using Acoustic Resonance Method**
Yao Ge, Ruijia Wang, Frederico Heloui de Araujo, Yingyu Qi, and Xiang Wu, Halliburton
- 10:55 AM **SPWLA-2026-0066** **Characterization Of Cement Integrity In Wellbores Using Joint S0 And A0 Guided Wave Modal Analysis**
Yingyu Qi, Ruijia Wang, Jichun Sun, Somnath Banerjee, Amit Padhi, and Xiang Wu, Halliburton
- 11:15 AM **SPWLA-2026-0067** **Axial Bond Log Quality Control Indicators For Dual-String Barrier Evaluation**
Elizabeth Godoy, Sandip Bose, Amit Govil, and Kamaljeet Singh, SLB
- 11:35 AM **SPWLA-2026-0068** **Precision Sand Control: Targeted Detection and Remediation of Screen Failures**
Alhadi Zahmuwl, Robert Loov, SLB; Giuseppe Gervasi, Stefano Lombardi, and Christina Abou Mrad, IGS; Kamaljeet Singh, Susanna Dragotto, and Maurizio Civitarese, SLB
- 11:55 AM **SPWLA-2026-0069** **Monitoring Of Multistring Well Technical Condition Using Magnetic Pulse Defectoscopes**
Mingjun Xie, University of Electronic Science and Technology of China; Gulnara Golovatskaia, Aleksandr Potapov, and Dmitri Perelygin, JSC Research and Production Enterprise GITAS; Aleksandr Shumilov, Perm State University

Session 13 (Compass Center)

[Nuclear Magnetic Resonance Innovations in Formation Evaluation](#)

Co-chairs: Hyung T. Kwak (Saudi Aramco), Radu Coman (Baker Hughes)

- 10:15 AM **SPWLA-2026-0070** **Quantification of Organic Matter and Clays in Organic-Rich Shale Using NMR T₁–T₂ with Solid Echo**
Maximiliano Triana Camacho, and George J. Hirasaki, Rice University; Eva G. Vinegar, and Harold J. Vinegar, TerraH2 LLC and Vinegar Technologies LLC; Philip M. Singer, Rice University
- 10:35 AM **SPWLA-2026-0071** **Confirming NMR Tool Precision in H₂S-Prone Wells: Evaluating the Influence of Iron Oxide Additives in Drilling Mud Systems**
Egor Kovarskiy, Zeyad Ramadan, Anastasia Chertova, Vikas Jain, Ulises bustos, and Luciano Elias, SLB; Pratiksha Tathed, Milad Saidian, Eric Soza, and John Bergeron, BP
- 10:55 AM **SPWLA-2026-0072** **T₂–T₂ Exchange NMR Reveals the Mechanism of CO₂ Adsorption-Induced Alteration of Wettability and Pore Connectivity in Coal Reservoirs**
Changwei Zhang, Guangzhi Liao, Ruiqi Fan, Jiawei Zhang, Long Zhou, and Lizhi Xiao, China University of Petroleum (Beijing)
- 11:15 AM **SPWLA-2026-0073** **An Investigation into Performance of NMR Fluid Substitution Methods on Log Data Sets from Contrasting Reservoirs**
Ali Eghbali, Holger Thern, Baoyan Li, and Amer Hanif, Baker Hughes
- 11:35 AM **SPWLA-2026-0074** **Comparative Experimental Study on Low-Field Magnetic Resonance Relaxation Characteristics of Methane and Hydrogen**
Gong Zhang, Chenyu Xu, Chengchen Sheng, and Yubing Liu, Yangtze University
- 11:55 AM **SPWLA-2026-0075** **Logging Faster Or Logging Better? A Practical Discussion About Wireline NMR Logging Speed**
Apoena Rossi, Paulo R. A. Netto, and Bernardo C. Coutinho dos Santos, Petrobras

12:15 – 1:40 PM **LUNCH (Awards Presentation Luncheon) – (Lakeview on the 2nd floor)**

1:45 PM **Break (5 mins)**

Session 14 (Coastal Ballroom)

[Advancements in Machine Learning and AI for Petrophysical Applications 2](#)

Co-chairs: Nate Bachman (SLB), Mike Myers (University of Houston)

- 1:50 PM **SPWLA-2026-0076** **Unlocking Value From Historical Documents: Automated Raster Log Digitization Using Visual Language Models And Computer Vision**
Karim Rekik, Ayoub Diouri, Sohaib Ouzineb, and Olfa Zened, SLB
- 2:10 PM **SPWLA-2026-0077** **Data-Efficient Transfer Learning for Fine-scale Multiphase Flow Prediction in Porous Media**
Haotian Li, King Abdullah University of Science and Technology; Saideep Pavuluri, and Harris Sajjad Rabbani, Hamad Bin Khalifa University; Bicheng Yan, King Abdullah University of Science and Technology

- 2:30 PM **SPWLA-2026-0078** **Automatic Semantic Segmentation Of Textures And Structures In Resistivity Borehole Images Using Deep Learning**
 André M. Souza, WIISE Vision and University of São Paulo; Paola M. C. Braga, João V. Bernardino, Yuri S. Macedo, Rodrigo A. C. Dias, WIISE Vision; Willian A. Trevizan, and Camilla Q. Bazzarella, Petróleo Brasileiro S.A; Rodrigo S. Monteiro, Fluminense Federal University; Mirela T. Cazzolato, University of São Paulo; Marcos Bedo, Fluminense Federal University
- 2:50 PM **SPWLA-2026-0079** **A Foundation Model for Well-Logging: Pre-Training, Fine-Tuning and Cross-Region Generalization**
 Yan Liu, China National Logging Corporation; Jun Zhou, and Juan Zhang, China National Logging Corporation and China University of Petroleum, Beijing; Xin Chen, Pin Li, Yuange Zhou, Zhengfa Yang, Yi Gao, Huikun Dong, and Yubo Liu, China National Logging Corporation
- 3:10 PM **SPWLA-2026-0080** **Predicting Contamination Clean-Up in Highly Deviated Well via Machine Learning-Based Proxy Model**
 Liangyu Xu, Cheolkyun Jeong, Yong Chang, Alex Dykes, and Aldrick Garcia Mayans, SLB; Shahid Azizul Haq, Wellquest Consulting Inc.

Session 15 (Compass Center)

[Core and Well-Log Integration for Enhanced Reservoir Insights](#)

Co-chairs: Zoya Heidari (University of Texas), Jennifer Market (Well ID)

- 1:50 PM **SPWLA-2026-0081** **Formation Water Salinity in the Permian Basin – Reduce Uncertainty by Integrating Nuclear Spectroscopy Logs and Chemical Analysis of Core and Produced Water**
 Haijing Wang, Mehrnoosh Saneifar, Luisa Crousse, Michael Cheshire, Aygul Kostinovsky, and Bobby Kurniawan, Chevron U.S.A. Inc.
- 2:10 PM **SPWLA-2026-0082** **Unifying Primary Drainage and Imbibition Saturation Height Modeling: Closing a Gap in Water Saturation Prediction**
 Iulian N. Hulea, Global Petrophysics Advisors B.V.
- 2:30 PM **SPWLA-2026-0083** **Integrating Dean-Stark, Porous Plate and MICP Data to Improve Hydrocarbon Saturation and Reserves Estimation in Complex Carbonate Reservoirs**
 Arfan Ali, Mohamed Abdou, Ibrahim Meer, Gabor Hursan, and Ameena AlJehairan, Saudi Aramco
- 2:50 PM **SPWLA-2026-0084** **Enhancing the Characterization of Water Saturation and Gas in Place Across Variable Coal Ranks in Coal Rock Gas Reservoirs Using Continuous T1–T2 Logs and Core NMR Measurements**
 Peihua Zhao, PetroChina CBM Company; Daiguo Yu, SLB; Zhongbai Li, and Yihang Chang, PetroChina CBM Company; Xunqi Liu, Jinlong Wu, Xiao Gu, and Huimin Cai, SLB
- 3:10 PM **SPWLA-2026-0085** **Automated Lithology Recognition in Drill Cuttings: From Global Context to Instance-Level Classification Using Vision Transformers**
 Raounek Zeghdoud, Excellence Logging and Mines ParisTech; Bruno Figliuzzi, Mines ParisTech; and Aymeric-Pierre Peyret, Excellence Logging

Session 16 (Compass East)

[Poster Session 2](#)

Co-chairs: Artur Posenato Garcia (Chevron), Nate Bachman (SLB)

- 3:30 PM **SPWLA-2026-0086** **A New Method for Gas-Bearing Evaluation of Complex Lithology Reservoirs Based on Elemental Logging**
Junting Fan, Feng Zhang, Zhang Xiaoyang, and Haihua Zhao, China University of Petroleum (East China); Yuyu Wu, PetroChina Southwest Oil & Gasfield Company
- 3:30 PM **SPWLA-2026-0087** **Advancing Reservoir Fluid Analysis of Drilling Cuttings: Full-Spectrum GPC and Machine Learning for API Gravity and Fluid Type Prediction**
Shi Chen, Gulnar Yerkinzy, and Odd Arve Solheim, Equinor; Eric Michael, and Ian Cutler, Applied Petroleum Technology
- 3:30 PM **SPWLA-2026-0088** **A Study on a Novel Logging Modeling and Numerical Simulation Method Based on Petrophysical Parameters**
Guohua Zhang, Xingfang Wu, Haibo Liu, Xiaofei Wang, Ziqian Zhang, and Yue Zhou, China Oilfield Services Limited
- 3:30 PM **SPWLA-2026-0089** **Integrating Advanced Wireline Logging Technologies for Characterizing High-Precision Complex Structural Model: A Case Study from the Sichuan Basin, China**
Jizhi Zhang and Ke Yan, PetroChina Southwest Oil & Gasfield Company; Minjie Ni, Feng Pan, Kaixuan Li, Yanyan Chen, Shenzhuan Li, and Changwei Qu, SLB; Xiaolin Ma and Siying Wen, PetroChina Southwest Oil & Gasfield Company
- 3:30 PM **SPWLA-2026-0090** **Advances in Dipole Shear Sonic Imaging**
Brian Hornby, Hornby Geophysical Services, LLC
- 3:30 PM **SPWLA-2026-0091** **In-Situ Quality Assessment of Borehole Sonic Measurements and Real-Time Shear Processing Via Hybrid Machine Learning**
Lin Liang, Ting Lei, Siwei Wan, Michiko Hamada, and Chongbing Liu, SLB
- 3:30 PM **SPWLA-2026-0092** **Dipole Sonic Imaging Case Study and Analysis to Estimate Structural Dips for Deviated Well**
Brendon Negenman, and Philip Tracadas, Halliburton
- 3:30 PM **SPWLA-2026-0093** **Accurate Fluid Identification and Saturation Utilizing NMR Data in Oil and Water-Based Mud Invasion: A Field Study from Offshore The Netherlands**
Mohammad Azeem Chohan, and Tom Bradley, Baker Hughes; Marten Bron, Wintershall
- 3:30 PM **SPWLA-2026-0094** **Deep Learning Based Quantitative Prediction of Multi-Fluid Saturation in Shale Oil Reservoirs Using T1-T2 Logging**
Pengda Shi, Liang Wang, Mingxuan Gu, Gang Li, and Yizhuo Ai, Chengdu University of Technology
- 3:30 PM **SPWLA-2026-0095** **Factors Affecting Fluid Temperature Loss in Geothermal Wells**
Guodong Jin, Walid K. Hussein, Hassan A. AlMarzooq, Hussam H. Banaja, and Hyung T. Kwak, Saudi Aramco
- 3:30 PM **SPWLA-2026-0096** **An Automatic Spectral Drift Correction Method Based on Global Spectrum Matching for Formation Element Logging**
Jilin Fan, Wenhui Chen, and Shusheng Wang, China National Logging Corporation
- 3:30 PM **SPWLA-2026-0097** **High-Contrast UV Fluorescence of Drill Cuttings Integrated with LWD Logs for Reservoir Description and Characterization**
Amjad Kharaba, and Ahmed Fateh, Saudi Aramco; Mahdi Ammar, Marie Van Steene, and Vikas Jain, SLB
- 3:30 PM **SPWLA-2026-0098** **Field Trials Of A Compact Azimuthal Resistivity Imaging Tool For Ultra-Deep Geosteering**
Jun Zhu, Yong Die, Yuanshi Tian, Hui Chen, Ting Yang, Gang Liu, Ye Lu, and Xiao Liu, China National Logging Corporation; Shanjun Li, and John Zhou, Maxwell Dynamics, Inc.

- 3:30 PM **SPWLA-2026-0099** **Estimation of Residual Oil Saturation in Gas-Bearing Sandstone, Campos Basin, Brazil**
Eduardo Barreto Oliveira, Rodrigo Badia Piccinini, and Valerio Picorelli Ladeira Dutra, Petróleo Brasileiro S.A
- 3:30 PM **SPWLA-2026-0100** **Application of Two-Dimensional NMR T_1 - T_2 Relaxometry for Fluid Typing in Deep Coalbed Methane Reservoirs**
Bo Han, Chunhao Yu, Qiushi Zheng, Ruinan Wang, Chaoqiang Fang, Daojie Cheng, Jianbin Zhao, Huiying Li, Yanying Luo, and Bo Wei, China National Logging Corporation

Session 17 (Compass Center)

Cased Hole Logging: Evaluation and Surveillance Techniques 2

Co-chairs: Tianmin Jiang (ConocoPhillips), Joe Comisky (Devon)

- 3:50 PM **SPWLA-2026-0101** **From Mechanical Rotation to Electronic Steering: Comparative Performance of Ultrasonic Imaging Technologies in Slim and Deviated Wellbore**
Alhadi Zahmuwl, Robert Loov, Kamaljeet Singh, Susanna Dragotto, and Maurizio Civitarese, SLB; Augusto Zanchi, and Domenico Racioppi, STOGIT/SNAM; Roel Van Os and Orland Guedes, SLB
- 4:10 PM **SPWLA-2026-0102** **Beyond Resolution Limits: A Practical Workflow for Quantitative Casing Damage Assessment Using Low-Frequency (250 kHz) Ultrasonic Logs**
Jia He, Hua Wang, and Wenhe Wu, University of Electronic Science and Technology of China; Wanying Li, Zhenyong Hou and Jie Zhao, China Oilfield Services Limited
- 4:30 PM **SPWLA-2026-0103** **Through-tubing Cement Quality Evaluation in Multiply Cemented Wellstrings Using Selective Non-Harmonic Resonance**
Jim Jenkinson, Qinshan Yang, and Jinsong Zhao, GOWell
- 4:50 PM **SPWLA-2026-0104** **Multi-Modal Acoustic Log Fusion For Automated Detection Of Casing-Cement Debonding In Cased Wells**
Amirhossein Abdollahian and Hua Wang, University of Electronic Science and Technology of China
- 5:10 PM **SPWLA-2026-0105** **Next-Gen Electromagnetic Logging for Corrosion Monitoring in Chrome Alloys: Enabling Integrity in Sour Gas and CCUS Wells**
Mahmoud Saada, Johana Reyes, Chung Yee Lee, Fransiska Goenawan, Jose Mata, Richard Orta, and Ahmed Elbendary, Halliburton; Carlos Mercado, and Oka Fabian, ADNOC

Session 18 (Coastal Ballroom)

Special Invitation to best papers from the Society of Core Analysis

Co-chairs: Katrina Cox (Core Lab), Min Cheng (Stratum Reservoir)

- 3:50 PM **SCA2025-1039** **Gas-Oil Interaction and Gravity Impact on High Permeability WAG Experiments**
Gilles Puyou, and Marcel Bourgeois, TotalEnergies; Bauyrzhan Satken, Akkodis; Nadine Loubere, and Anthony Chenieux, TotalEnergies; Vincent Zozaya, SEAOWL; Frederic Merceron, TotalEnergies; Nicolas Blin, CVA; Anne Saint-Pierre, Michel Nguyen, Cyril Caubit, and Yoann Guilloux, TotalEnergies
- 4:10 PM **SCA2025-1013** **Digital SCAL in Complex Carbonates by the Density Functional Hydrodynamics Method**
Denis Klemin,SLB; Shehadeh Masalmeh, and Ali AlSumaiti, ADNOC HQ, Upstream; Ritesh Bhakta, and Moustafa Dernaika, SLB

4:30 PM **SCA2025-1052**

**In-Situ Two- and Three-Phase Saturation Monitoring Using Dual-Resonance
1H/23Na MRI During Coreflooding**

Daan W. de Kort, and Efraïm C. Keijzer, Shell Global Solutions Intl B.V.; Matthias Appel, and Benjamin C. Anger, Shell Intl Exploration and Production Inc.; and Tibi G. Sorop, Shell Global Solutions Intl B.V.

4:50 PM **SCA2025-1011**

**Presence of Heterogeneities in Rocks during Laboratory Waterfloods: A Case Study
Highlighting Differences in Relative Permeabilities between Homogeneous and
Heterogeneous 1D Approaches**

Fabrice Pairoys, and Vitaliy Afanasiev, SLB; Roland Lenormand, and Guillaume Lenormand, Cydarex; Cyril Caubit, TotalEnergies

5:30 PM ***End of 2nd Day -Adjourn***

WEDNESDAY – May 20th

Session 19 (Compass Center)

Formation Evaluation Techniques for Complex Reservoirs 1

Co-chairs: Mike Myers (University of Houston), Robert Gales (Halliburton)

- 8:30 AM **SPWLA-2026-0106** **Interacting Conduction Model for Accurate Saturation Evaluation in Low-Resistivity Pay Microporous Carbonates**
Vimal Saxena, RockLog Consultancy
- 8:50 AM **SPWLA-2026-0107** **Advanced Characterization of Carbonate Reservoirs: Quantifying Pore Contributions with SDEM Models and Multi-Physics Data**
Tariq Saihood, Michael Myers, and Lori Hathon, University of Houston
- 9:10 AM **SPWLA-2026-0108** **Saturation-Height Modeling from Drainage and Imbibition Capillary Pressure Data: Uncovering Saturation History and Structural Evolution**
Behrooz Raeesi, Gerardo Cedillo, German Merletti, Pavel Gramin, Camilo Gelvez, Mike Blevins, and Luke Francis, BP
- 9:30 AM **SPWLA-2026-0109** **A Review of the “Shaly Sand” Seminal Papers With Some Suggestions for Improvement**
David Kennedy, QED Petrophysics
- 9:50 AM **SPWLA-2026-0110** **Enhanced Water Saturation Estimation in Shaly Sands Using a Staged Differential Effective Medium (SDEM) Approach**
Tariq Saihood, Michael Myers, and Lori Hathon, University of Houston

Session 20 (Coastal Ballroom)

Cased Hole Logging: Evaluation and Surveillance Techniques 3

Co-chairs: Oriyomi N Raheem (UT), Chinwendu Mogbo (Sahara)

- 8:30 AM **SPWLA-2026-0111** **Well Abandonment in the Face of Uncharacterized Overburden – A Case Study in Cased-Hole Formation Testing**
Peter in 't Panhuis, Shell; Ana Licia, Nederlandse Aardolie Maatschappij; Thomas Pfeiffer, Shell; Jorge Manzanares, Nederlandse Aardolie Maatschappij; Shyamalan Ramaswami, Shell; Ashish Tomar, Halliburton
- 8:50 AM **SPWLA-2026-0112** **Innovative Ultrasonic Sensor Technology for Downhole Sand Detection and Quantification in Reservoir Management**
Alan Muhadjir and Widyanto Andono, GOWell Petroleum
- 9:10 AM **SPWLA-2026-0113** **Advancing Ultrasonic Cement Evaluation: Field Data Comparison Between Phased-Array and Conventional Rotating-Head Tools**
Alhadi Zahmuwl, Robert Loov, Kamaljeet Singh, Susanna Dragotto, and Maurizio Civitarese, SLB; Augusto Zanchi, and Domenico Racioppi, STOGIT/SNAM; Hiroshi HORI, Roel Van Os, and Orland Guedes, SLB
- 9:30 AM **SPWLA-2026-0114** **Breaking New Ground in Well Integrity: First Middle East Application of an Innovative Slim Through-Tubing Dual-String Cement Evaluation Tool**
Wardah Nasir, Noe Maldonado, Maniesh Singh, Tarek Mohamed El Desouky, Mariam Al Blooshi, and Mohammad Ghayboor, ADNOC Onshore; Kamaljeet Singh, Mohamed Abdalla Aboodi, and Sandip Bose, SLB;

- 9:50 AM **SPWLA-2026-0115** **Decoding Complex Flow Regimes: From Flow Loop to Field with a New Slim Modular Array for Multiphase Production Logging**
Mahmoud Saada, Ahmed Hegazy, Johana Reyes, and Walid Mansi, Halliburton
- 10:10 AM **Break (15 mins)**

Session 21 (Compass Center)

New Advances in Borehole Acoustic Logging

Co-chairs: Tiago de Bittencourt Rossi (Petrobras), Matthew Blyth (Islay Subsurface LLC)

- 10:25 AM **SPWLA-2026-0116** **From Hz to MHz: Analytical Modeling of Acoustic Dispersion in Drilling Fluids to Optimize Logging Accuracy and Fluid Design**
Artur Posenato Garcia, Alexei Bolshakov, Kristoffer Walker, and Mason Edwards, Chevron U.S.A. Inc.
- 10:45 AM **SPWLA-2026-0117** **Research and Application Of Correction Methods For Deviated-Well Compressional Slowness**
Yuping Qian, China Oilfield Services Limited; Bing Wang, China University of Petroleum (Beijing); Jiajie Cheng, Dong Liang, and Xiaodong Li, China Oilfield Services Limited
- 11:05 AM **SPWLA-2026-0118** **Unsupervised Beamforming for Weak Reflection Extraction in Borehole Acoustic Reflection Imaging**
Qiang Wang, Hua Wang, Zhuojun Zhu, Hongyu Zhu, and Zhilong Fang, University of Electronic Science and Technology of China
- 11:25 AM **SPWLA-2026-0119** **Utilizing Sonic Imaging for Active Acoustic Ranging: Detection and Interception in Open Hole Wells**
Edgar Velez, SLB; Greg Macauley, OXY; Nicholas Bennett, Rustam Rakhmangulov, Sanjeev Dogra, and Mahmoud ElGizawy, SLB
- 11:45 AM **SPWLA-2026-0120** **Rotation Scan – Improvements in Processing for Dipole Sonic Azimuthal Anisotropy and Fast Shear Azimuth**
Tom Bratton, Tom Bratton LLC; Charles Naville, IFP Energies Nouvelles (IFPEN) – Retired

Session 22 (Coastal Ballroom)

Specialized Measurement Technologies and Interpretation Methods

Co-chairs: Sami Eyuboglu (Halliburton),

- 10:25 AM **SPWLA-2026-0121** **A Novel Method for Determining the Water-Filled Porosity of Full-Bore Cores by Scanning Their Electrical Properties at Microwave Frequency in Frozen and Unfrozen States**
Jennifer Market, Roland Chemali, and Lars Øy, Well ID; Luc Monteilhet, ConocoPhillips; Craig Lindsay, Core Specialist Services
- 10:45 AM **SPWLA-2026-0122** **Drone-Based Multi-Physics Imaging for Fast and Cost-Effective Description and Classification of Whole-Core Rock Samples**
Domenico Crisafulli, Mohamad Abdo, Misael M. Morales, and Carlos Torres-Verdín, The University of Texas at Austin

- 11:05 AM **SPWLA-2026-0123** **Integrated Production Logging and Passive Acoustic Analysis For Reservoir Evaluation in a Carbonate Appraisal Well**
Daria Spivakovska, and Glenn Donovan, Shell; Sergey Prosvirkin, TGT; Linda Abbassi, Openfield Technology; Alain Gysen, Interpretive Software Products, Sylvie Baggio, Adura Energy (previous with Shell)
- 11:25 AM **SPWLA-2026-0124** **A Novel Digital Microfrac Workflow for Real-Time Geomechanical Model Enhancement in a Challenging Asian Gas Field**
Cheol Hwan Roh, Nadia Zulkifli, Arnie Salfarina, and Chiew Kwang Chian, Petronas Carigali Sdn. Bhd.; Dennis Ling, Eduard Kazakevich, Saifon Daungkaew, Florian Karpfinger, Samantha Han Siang Eng, and Jules El-Khoury, SLB
- 11:45 AM **SPWLA-2026-0125** **Relative Permeability and Capillary Pressure of Tight Gas Sandstone by Integrated Centrifuge, Pulse-Decay, and NMR Measurements**
Jun Gao, Jinxun Wang, Hamad S. Kharaa, Moataz Abu Al-Saud, and Hyung T. Kwak, Saudi Aramco

12:05 – 1:05 PM **LUNCH (Leadership Luncheon -Invitation only)**

12:05 – 1:05 PM **LUNCH (All Attendees)**

Session 23 (Compass Center)

Digital Rock Physics: Core Analysis and Pore Scale Modeling

Co-chairs: Min Cheng (Stratum Reservoir), Lori Hathon (University of Houston)

- 1:20 PM **SPWLA-2026-0126** **A Method for Converting NMR T₂ Spectrum to Pore Size Distribution Using Scanning Electron Microscopy Images**
Ying Zhou, and Xin Nie, Yangtze University
- 1:40 PM **SPWLA-2026-0127** **The Application of Convolutional Neural Networks in Eliminating Curtain Effects in FIB-SEM Images**
Wen Xu, Ying Zhou, and Xin Nie, Yangtze University
- 2:00 PM **SPWLA-2026-0128** **Mechanisms and Modeling: A Digital Core Workflow for Electrical Properties and Saturation in Clay-Rich Shale**
Zhou Feng, Hongliang Wu, Chaoliu Li, and Han Tian, Research Institute of Petroleum Exploration and Development, PetroChina; Jiandong Zhen, Daqing Oilfield Exploration and Development Institute; Jun Yu, Research Institute of Petroleum Exploration and Development, PetroChina; Xuefeng Liu, China University of Petroleum (East China); Lixin Yuan, Research Institute of Petroleum Exploration and Development, PetroChina
- 2:20 PM **SPWLA-2026-0129** **Modeling of Grain Contacts for Determination of Elastic Properties and Seismics Wave Velocities in Digital Rocks**
Mike Marsh, Math2Market North America Inc.; Olga Lykhachova, Christian Hinz, Arne Jacob, Jens-Oliver Schwarz, Barbara Planas, and Andreas Wiegmann, Math2Market GmbH; Matthias Halisch, LIAG-Institute for Applied Geophysics; and Gordon Burmester, OMV Exploration & Production GmbH
- 2:40 PM **SPWLA-2026-0130** **Petrophysical Characterization of Microporous Regions of Complex Carbonate Rocks Through Integration of Electrical Conductivity and Core-Scale Measurements**
Dalma Arrieta, Zulkuf Azizoglu, and Zoya Heidari, The University of Texas at Austin; Plinio Cândia, and Gabriel Feres Nassau, Petrobras

Session 24 (Coastal Ballroom)

[Formation Evaluation Techniques for Complex Reservoirs 2](#)

Co-chairs: Robert Gales (Halliburton), Hyung T. Kwak (Saudi Aramco)

- 1:20 PM **SPWLA-2026-0131** **Wettability Index Assessment Based on Water Absorption Isotherm Measurements in Rocks with Complex Composition**
Ali Oshaish, Isa Silveira de Araujo, Zoya Heidari, and Kishore Mohanty, The University of Texas at Austin
- 1:40 PM **SPWLA-2026-0132** **Fracture Analysis for Completion Optimization via Integration of LWD Sonic and Ultrasonic in Complex Thrust–Fold Reservoirs**
Helman Duque S., Victor Rada, Javier Tovar, Luis Gonzalez, Ecopetrol; Egor Kovarskiy, Maria Fernanda Grisola, Chandramani Shrivastava, and Francois van Vilet, SLB; Scott Boone, Nabors
- 2:00 PM **SPWLA-2026-0133** **Defending the Waxman-Smits Equation**
Michael Myers, and Lori Hathon, University of Houston
- 2:20 PM **SPWLA-2026-0134** **Fingerprints Observed in NMR T1–T2 Logs Across Different Basins, Opens Productible Water Predictions with Electrical Logs in Unconventionals**
Ulises D. Bustos, Yevgeny Karpekin, and Max Goldstein, SLB
- 2:40 PM **SPWLA-2026-0135** **Modeling Water Saturation in Carbonates Using Staged Differential Effective Medium and Pore Combination Method**
Tariq Saihood, Michael Myers, and Lori Hathon, University of Houston
- 3:00 PM **Break (20 mins)**

Session 25 (Compass Center)

[New Advanced Logging Technologies and Their Applications](#)

Co-chairs: Wei Dan (CNOOC), Hani Elshahawi (NoviDigiTech)

- 3:20 PM **SPWLA-2026-0136** **Integrated Surveillance Framework for Attic Oil Development Under Gas Cap Expansion: Probabilistic Multifluid Pulsed Neutron Logging (PNL) Interpretation, API–GOR Plume Mapping, and Smart Condensate Tracking**
Wardah Nasir, Aibar Kamashev, Manjit Kumar Singh, and Amma Al Naqbi, ADNOC Onshore
- 3:40 PM **SPWLA-2026-0137** **Unlock the Potential of Ultra-Deep Tight Reservoirs: Comprehensive Log Analysis from Wellbore to Far Field**
Chao Yuan, PetroChina Oil, Gas & New Energies Company; Renzhong Gan, PetroChina Xinjiang Oilfield Company; Liang Cai, SLB; Hao Zhang, PetroChina Xinjiang Oilfield Company; Wei Wang, SLB; Pan Wang, PetroChina Xinjiang Oilfield Company; Fangfang Wu, Zheyuan Huang, Yanyan Chen and Changwei Qu, SLB
- 4:00 PM **SPWLA-2026-0138** **Experimental and Numerical Validation of Pulsed-Neutron and Prompt-Gamma Activation for the Petrophysical Evaluation of Spatially Heterogeneous Rocks**
Alejandro Lopez, Carlos Torres-Verdín, and William Charlton, The University of Texas at Austin

Session 26 (Coastal Ballroom)

Specialized Measurement Technologies and Interpretation Methods

Co-chairs: Amer Hanif (Baker Hughes), Nelson Suarez (Pangea Geoscience)

- 3:20 PM **SPWLA-2026-0139** **A Novel Triaxial Multi-Depth Azimuthal Resistivity Platform Unlocks and Improves Look-Ahead and Look-Around Mapping Accuracy While Drilling**
Mauro Viandante, Mike Bower, and Jean Michel Denichou, SLB; Frank Antonsen, Monica Vik Constable, and Kåre Røsvik Jensen, Equinor
- 3:40 PM **SPWLA-2026-0140** **Revealing the Invisible: Extending Fracture and Formation Evaluation in Carbonate Reservoirs Using 3D Sonic Imaging and Borehole Resistivity Imaging**
Lu Cheng, Hang Zhang, PetroChina Southwest Oil and Gas Company; Yanyan Chen, SLB; Rong Yin, PetroChina Southwest Oil and Gas Company; Dongdong Cheng, SLB; Yuyu Wu, PetroChina Southwest Oil and Gas Company; Feng Pan, SLB; Bing Xie, Qiang Lai, and Zuoan Zhao, PetroChina Southwest Oil and Gas Company
- 4:00 PM **SPWLA-2026-0141** **Pore Compressibility In Tight Rocks Using Mercury Injection, Ultrasonic Pulse Transmission, And Nuclear Magnetic Resonance: A Case Study**
Nghiem Vuong, Tan Tai Vo, and Nhung N. H. Truong, The University of Oklahoma, Yashwanth Chitrala, BPX Energy Inc., Chandra Rai, and Son Dang, The University of Oklahoma
- 4:20 PM **SPWLA-2026-0142** **Optimizing 3D Subsurface Positional Uncertainty in Complex Multi-Lateral Wellbores: Delivering Value Through Improved Reservoir Models and Enhanced Operational Efficiency**
Harald Bolt, DwpD Ltd, Depth Solutions

4:45 PM *Closing Remarks*

4:55 PM *End of the 67th Annual Symposium*