

Baker Hughes Technical Papers

MONDAY, OCTOBER 16

SESSION 05: Artificial Intelligence, Machine Learning and Intelligent Drilling Systems

214851 - Risk Assessment of Drilling Tool Failure—A Data Driven Technique Assisted by Expert Knowledge

J. Hutahaeen, E. Sakautzky, K. Simon, Baker Hughes

Alternate (2:00p - 5:00p) | Room 212 A-B

SESSION 08: Innovative Logging & Advanced Interpretation Practices

214893 - Characterization Of A New Litho-Density Logging-While-Drilling Tool To Ensure High Confidence Reservoir Data

A. Vogt, A. Haeussler, B.V. Banzarov, N. Ritzmann, Baker Hughes

Alternate (2:00p - 5:00p) | Room 214 D

SPECIAL SESSION SS01: HSE & Sustainability: Part I - Tangible Pathways to Net Zero Carbon Emissions / Part II - Artificial Intelligence as a Catalyst to Accelerate HSSE Objectives

Speaker: Rosa Swartwout

2:00p – 5:00p | Hemisphere Ballroom C1

POSTER SESSION PO1: Knowledge Sharing ePosters

214851 - Risk Assessment Of Drilling Tool Failure—A Data Driven Technique Assisted By Expert Knowledge

J. Hutahaeen, K. Simon, E. Sakautzky, Baker Hughes

3:30p – 3:45p | Foyer

TUESDAY, OCTOBER 17

SESSION 15: Real-time Applications and Drilling Automation

Session Chairperson: Thomas Dahl

8:30a - 11:30a | Room 212 A-B

215047 - Autonomous Drilling Fluid Management System - Development of Fluid Advisory and First Lab Trial

R. Ettehad Osgouei, C.A. Thompson, E. Onegova, F. Fevang, T. Egorenkova, A. Knizhnik, S. Postovalov, Baker Hughes;

J. Brevik, Statoil Norway; N. Kaageson-Loe, Society of Petroleum Engineers

10:40a - 11:05a | Room 212 A-B

WEDNESDAY, OCTOBER 18

SESSION 33: Reservoir Monitoring Applications

214826 - Pressure Depletion Delineation for A Deep Gas Condensate-producing Well in the North Sea

Y. Kim, G. Odusi, Baker Hughes; R. Gray, TotalEnergies;

10:15a – 10:40a | Room 217 C

SESSION 35: The Future of Smart Fluids Technologies and Zonal Isolation Techniques

Session Chairperson: Jessica Paola Ramirez Angulo

8:30a - 11:30a | Room 212 A-B

215140 - Improved Well Integrity Using a Novel Fluid Technology to Overcome Large Fracture Networks and Permeable Formations

J.M. Shine, A. Sowailam, Saudi Aramco; I. Gbemiga, Baker Hughes; F. Bermudez, Impact Fluids

10:15a - 10:40a | Room 212 A-B

SESSION 36: Case Studies

214930 - Fracture Hits Characterization: Application of Post-fracture Job Analysis and Production Prediction

A.S. Bagci, Baker Hughes

10:40a - 11:05a | Room 213 A-B

WEDNESDAY, OCTOBER 18

SESSION 38: Emerging Technologies in Formation Evaluation: Machine Learning and Geological Storage of CO2

214991 - Application of Artificial Intelligence (AI) Based Algorithm to Predict Contamination During Formation Fluid Sampling

A. Hunnur, E. Hall, S. Smith, Baker Hughes

10:15a - 10:40a | Room 214 D

POSTER SESSION PO31: Knowledge Sharing ePosters

215081 - Feasibility Study of Electromagnetic Telemetry System for Offshore Drilling

S. Zeng, Cyentech Consulting LLC; T. Ashraf, University of Houston; J. Zhang, Baker Hughes; Y. Huang, Cyentech Consulting LLC;

J. Chen, University of Houston

1:15p – 1:30p | Foyer

SESSION 39: Empowering Oil and Gas Professionals with Cross Functional Skills for a Shift Towards Future Excellence

Session Chairperson: David Cotrell

2:00p - 4:30p | Room 214 A

WEDNESDAY, OCTOBER 18

SESSION 43: Well Construction Integrity

214962 - Analysis of the Sources of Uncertainty in Geopressure Estimation While Drilling

E. Cayeux, B. Daireaux, NORCE Norwegian Research Centre AS; J. Macpherson, Baker Hughes; H. Bolt, Depth Solutions Ltd.; P. Harbidge, Expro Group Malaysia Sdn Bhd; P. Annaiyappa, Nabors; J. Carney, NOV; W. Ziadat, Weatherford Saudi Arabia; M. Edwards, Edwards Energy Innovation Consulting

3:40p - 4:05p | Room 212 A-B

214790 - Successful Application of Multipurpose Thixotropic Technology for Lost Circulation, Wellbore Strengthening Through Directional Tools in Well Control Event in Colombia.

C.F. Toro, J.F. Avellaneda, E. Velazquez, I. Olivella, E. Luna, Baker Hughes

4:05p - 4:30p | Room 212 A-B

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