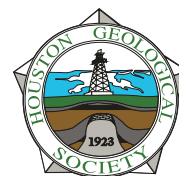


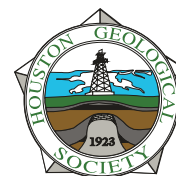
The 17th HGS-PESGB Conference on African E&P



Oral Presentations – Tuesday, September 11, 2018

7:30	Registration and Coffee	
8:15	Welcome and Opening Remarks: Brian W. Horn , <i>General Chair</i>	
8:20	Session 1 Chairs: Paul Haryott , <i>Rose & Associates</i> and Brian W. Horn , <i>ION</i>	
	Theme 1 - African Exploration in the Evolving Business Environment - Above Ground Risks and Rewards	
8:25	Opening Keynote Address	Tim O'Hanlon (Tullow)
8:50	The Golden Age of Super Basins - An African Perspective	Charles Sternbach (AAPG Past President)
9:15	Entering the Next Phase of the Oil Price Cycle: What It Means for E&P in Sub-Saharan Africa	Emma Woodward (Drilling Info)
9:40	Coffee and Posters	
10:00	Theme 2 - New and Emerging Exploration Trends	
10:05	Why is Everyone Excited About the Sao Tome and Principe EEZ; the Four Key Reasons Why This Has Been One of the Hottest Areas for Exploration in 2017	Matt Tyrrell (PGS), J. May, E. Mueller, O. D'Abreu
10:30	Compelling Evidence for Oil Offshore Angoche, Mozambique	Neil Hodgson (Spectrum), R. MacDonald, P. Hargreaves, K. Rodriguez
10:55	Chasing the TAGI Play into Morocco: Assessing the Contribution of Local Versus Regional Drainage Systems on the Character and Provenance of Upper Triassic Fluvial Deposits	Jonathan Redfern (University of Manchester), J. Lovell-Kennedy, J. Argent and J. Canning
11:20	Palaeozoic to Present: Assessing the Petroleum Potential of the Offshore Sirt Basin, Libya, Using Newly Reprocessed Regional-scale 2D Seismic Data	Lisa Fullarton (ION), E. C. A. C. Gillbard, K. G. McDermott, N. Clarke, P. Bellingham
11:45	Special Session: Exploration in Africa Past, Present and Future – Keys to Exploration Success and Disaster Avoidance	<i>Moderator: Paul Haryott</i> (Senior Assoc., Rose & Associates)
11:50	Exploration in Africa Past, Present and Future – A Historical Perspective	Bob Fryklund (IHS)
12:05	Lunch and Special Session: Round Table Panel Discussion	
	Exploration in Africa Past, Present and Future – Keys to Exploration Success and Disaster Avoidance	
	<i>Moderator: Paul Haryott</i> (Senior Assoc., Rose & Associates)	
	<i>Panel: Ernie Leyendecker</i> (former EVP Worldwide Exploration, Anadarko), Bob Fryklund (Chief Upstream Strategist, IHS), Dorrie McGuinness (VP Geology, Kosmos), Tim O'Hanlon (VP African Business, Tullow)	
13:30	Session 2 Chairs: Bill Dickson , <i>DIGs</i> and Bryan Cronin , <i>Tullow Oil Ghana Ltd.</i>	
	Theme 2 - New and Emerging Exploration Trends (continued)	
13:35	Break-up Processes in the Presence of Plume Magmatism: New Insights into the Tectonostratigraphic Development and Petroleum Potential of the Austral South Atlantic	Ken G. McDermott (ION), E. C. A. C. Gillbard, P. Bellingham, B. W. Horn
14:00	The Austral South Atlantic: Early Formation and Crustal Structure of the Orange and Cape Basins	Dale E. Bird (Bird Geophysical), S. A. Hall, D. J. McLean, P. J. Towle, J. V. Grant, and H. A. Danque
14:25	Post-rift Potential Source Rock Correlations and Prospectivity of the Deep Atlantic Conjugate Margins South of the Walvis Ridge	Ian Davison (Earthmoves), Duncan Wallace
14:50	Offshore Somalia: Source Rock Identification in a Frontier Margin	Neil Hodgson (Spectrum), H. Kearns, K. Rodriguez, B. Allen, D. Paton, and A. Abiikar Hussein (Spectrum)
15:15	Coffee and Posters	
15:45	Hunting the SNE in Guinea Bissau	Neil Hodgson (Spectrum), A. Intawong, and K. Rodriguez
16:10	Gabon's Wild West Frontier Promises a Golden Age of Discovery for the Deep Offshore	Tony Younis (Impact Oil & Gas), M. Clutterbuck, P. Birch
16:35	Gabon Deep Offshore: New Petroleum System Insights from the Full Integration of Geology and Geophysics	Rob Crossley (CGG) and G. Duval
17:00	Evening Reception	

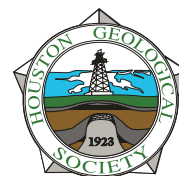
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Oral Presentations – Wednesday, September 12, 2018

8:00	Registration and Coffee	
8:30	Session 3 Chairs: Ana Krueger, University of Houston and Onochie Okonkwo, Anadarko	
	Theme 3 - Developing and Integrating Geological Concepts: Impact on Exploration in Africa	
8:35	Entrenched Slope Channel Complex Systems: Reservoir Opportunities Through Understanding Architectural Element Distribution and Application to West Africa E&P	Bryan Cronin (Tullow)
9:00	Towards the Development of an Integrated Central Atlantic Tectono-Stratigraphic Framework	Max Casson (University of Manchester), J. Redfern, L. G. Bulot, J. Jeremiah
9:25	Reservoir Modeling of a Deep-Water West African Reservoir: A Fully Integrated, Multi-Scenario Approach	Monica Miley (Anadarko), A. Dufournet, J. Villa, M. Bentley
9:50	Sedimentological Characteristics of Deepwater Sandstones Associated with Transgressive-Regressive Cycles Offshore Ghana	Luisa Man (CoreLab), Tom Wilson, Simon Greenfield
10:15	Coffee and Posters	
10:40	Magmatic Modification of African Crust: Implications for Strain Localization and Basin Subsidence	Cynthia Ebinger (Tulane University)
11:05	Dynamic Topography: How Mantle Convection Generates Accommodation Space and Leaves a Trace in the Geologic Record	Lorenzo Colli (University of Houston), S. Ghelichkhan, H.P. Bunge
11:30	Tracing the West and Central African Rift and Shear Systems Offshore onto Oceanic Crust: a "Rolling" Triple Junction	William Dickson (DIGs) and J. W. Granath
11:55	Influence of Proterozoic Heritage on Development of Rift Segments in the Equatorial Atlantic	Ana Krueger (University of Houston), M. Murphy, I. Norton, K. Casey, R. D. de Matos
12:20	Lunch and Posters	
13:45	Session 4 Chairs: Luis Baez Shell and Ian Davison, Earthmoves	
	Theme 4 - What We Thought We Knew: Exploration Concepts to Production Reality	
13:50	Keynote - The Evolution of the Pre-Salt Play in the Kwanza Benguela Basins, Angola	Andrew Witt (BP), A. Bump, T. Love and F. Setzer
14:15	A New Beginning: Remaining Potential and the Case for Investment in the Niger Delta	Paul Bellingham (ION), J. Deckelman, B. W. Horn
14:40	Play Fairway and Petroleum Systems Analysis of Nigeria's Cretaceous Benin (Dahomey) Basin: Key to Unlocking Additional Hydrocarbon Volumes from an Emerging Exploration Trend	Olusanmi O. Emmanuel (Acetop Energy), K. Taiwo, O. Mojisola and E. Enu
15:05	Coffee and Posters	
15:30	Jubilee Field: From World Class Exploration Discovery to Producing Asset. Learnings from 7 Years of Production	Kathryn E. Dawson (Tullow Ghana Ltd)
15:55	Closing Keynote/Future Perspective – Jubilee to Liza: Lessons From a Decade of Exploration in the Central Atlantic	Keith Myers (Westwood Energy), E. Zanella, J. Collard, H. Doran
16:20	Awards and Closing Remarks	

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Poster Session Agenda

Using Generative Adversarial Networks to Improve Deep Learning Fault Prediction Networks	Matt Morris , Ping Lu, <i>Anadarko</i>
South Gabon 3D Unprecedented Prospectivity Revelations	Dr. Anongporn (Yen) Intawong, Neil Hodgson , Karyan Rodriguez, <i>Spectrum Geo Multi-Client Seismic Imaging</i>
Data-Driven Transformation in Geology, Geophysics and Engineering	Mik Isernia, Paul Endresen, Ana Krueger , <i>Bluewarre, University of Houston</i>
Is Namibia Really an Oil Province?	W. Wornardt , <i>Micro-strat</i>
The influence of Shale Ridges on Reservoir Development and Implications for Exploration – A Case Study from Onshore Niger Delta, Nigeria	Syed Dabeer , Umar Ngala, <i>PetroVision</i> and Emmanuel Offor, <i>ERTON Exploration and Production</i>
Evolution of East African Rift System (EARS)	Sadat Sembatya , <i>Makerere University – Kampala, Uganda</i>
Understanding Controls on Cretaceous Reservoir Quality Along the West African Transform Margin	Magenta McDougall , <i>African Petroleum</i>
An Atlas of Character: A Model For the Control of Passive Margin Development	Neil Hodgson , and K. Rodriguez, <i>Spectrum Geo</i>
Visualization of Vertical Hydrocarbon Migration Pathways in Seismic Data: Toward the Quantification of Seal and Charge Risk for African Exploration Plays	David Connolly , <i>dGB Earth Sciences USA</i>
JMA – The Hidden Treasure Below the Basalt	Neil Hodgson , K. Rodriguez, J. Watson, <i>Spectrum Geo</i>
Hidden Boundary Fault at East African Rift Basin Revealed with FALCON® Airborne Gravity Gradiometry Data	Janine Weber, Ivonne M, Araujo, R. Yalamanchili , S. Maduhu, <i>CGG Multi-Physics, TPDC</i>
Enhancing Gas Production in Nigeria's Marginal Field. A Case Study of Ughelli-X Field	Kemi Taiwo, O. O. Emmanuel, O. Aworanti, T. Ologun and U. Olorunmola, <i>ND Western Limited, Acetop Energy</i>
Hybrid Break-up: Spanning End-member Models Towards a Full Tectonostratigraphic Understanding of the Central South Atlantic	Ken G. McDermott, N. Hurst, P. Bellingham, B. W. Horn, <i>ION, E & P Advisors</i>
Cape Fold Belt Fractured Basement Play Fairway	Neil Hodgson, K. Rodriguez, and H. Kearns, <i>Spectrum Geo</i>
The Underexplored Shelf-Edge Plays of the West Africa Transform Margin and the Opportunity to De-Risk These on Merged 3D Seismic and Well Datasets Through Togo, Benin and Western Nigeria	Matt Tyrrell, M. Martin, A. Ashfield, A. Maioli and B. Biaou, <i>PGS, Société Béninoise des Hydrocarbures (Sobeh)</i>
An Animated Model for the Mesozoic-Recent Tectonic Evolution of Sub-Saharan Africa: From Plates And Structures to Basins and Paleogeography	Jon Teasdale , C. Reeves, <i>Geognostics International Limited, Earthworks BV</i>
Hydrocarbon Potential of the Onshore Dahomey Embayment of Benin; Exploration of Devonian, Jurassic, Cretaceous and Tertiary Plays Using Integrated Seismic and High Resolution Airborne Gravity and Magnetic Data	Emma Tyrrell, P. Elliot and M. Lofgran, <i>Elephant Oil Ltd</i>
Conjugate Margin Chronostratigraphy--Comparison of Cretaceous-Tertiary Petroleum Systems in Namibia and Uruguay	Katie-Joe McDonough, K. Reuber, B. W. Horn, K. G. McDermott, E. C. Gillbard, F. Brouwer, <i>KJM Consulting, Pine, ION, 3 GEO</i>
Regional Reservoir Quality Trends in Cretaceous Sandstone Reservoirs in the Transform Margin Basins of Ghana	Simon Greenfield , Dr. P. Cox, <i>Core Laboratories UK</i>
Using Broadband 3D Seismic to Validate and Upgrade Satellite Seepage Data, Gabon	Rowan Edwards , M. King and G. Duval, <i>CGG</i>

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Student Poster Session Agenda

3-D Crustal Model of Northwest Africa	Naila Dowla, Dale Bird, Mike Murphy, <i>University of Houston</i>
Geometry and Kinematics of Seismically Active Border and Transfer Fault Systems in the Malawi Rift, Africa	Pham, T.Q., C. Ebinger, S. Oliva, K. Peterson, P. Chindandali, D. Shillington, <i>Tulane University</i>
Comparing Controls on the Formation of 27 Passive Margin Fold-belts from the Margins of the Gulf of Mexico, South Atlantic and Africa	Malik Muhammad Alam, <i>University of Houston</i>
Compilation of Widespread, Cretaceous OAE1, OAE2, and OAE3 Black Shale Horizons Documented in Wells from the Gulf of Mexico, Caribbean, and Atlantic Passive Margins	Nikola Bjelica,
New Insights into the Assembly and Breakup of Pangea from a Mega-regional Compilation of 8,672 Detrital Zircon Ages from the Circum-Gulf of Mexico, Northern South America, and West Africa	Marie-Nelsy Kouassi, Paul Mann, Joel Saylor, Kurt Sundell, <i>University of Houston</i>
Constraints on Central Atlantic Rifting Based on a Compilation of Low-temperature Thermochronology Ages from Rifted, Conjugate Margins of the East Coast of the USA and Northwestern Africa	Geraldine Tijerina, <i>University of Houston</i>
Is Africa Stationary? —A New Look at an Old Question	Daniel Woodworth, Chengzu Wang, Nuhazein Mohamed and Richard G. Gordon, <i>Rice University</i>
Rift History of the South Atlantic Ocean from Subsidence Histories of Offshore Wells and Low-temperature Thermochronology (AFT) Cooling Ages from the South American and West African Conjugate Margins	Omar Zavala, <i>University of Houston</i>
Plate Tectonic Framework for Petroleum Systems of Atlantic Conjugate Margins: Northwest Africa-Eastern USA and Northeast South America-Equatorial West Africa	Marcus P. Zinecker, Paul Mann, <i>University of Houston</i>
Application of Raman Spectroscopy for Determination of Natural Gas Composition	Johnathan Torres, Sage Muttel, Douglas Syzdek, S. Nagy, <i>AGH University of Science and Technology; University of Houston- Downtown</i>