



17th -22nd May, 2015
Hyatt Regency Hotel



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20TH CARIBBEAN GEOLOGICAL CONFERENCE 2015

Port-of-Spain . Trinidad & Tobago, W.I.

hosted by the Geological Society of Trinidad and Tobago (GSTT)

Dear Participant

Re: Submissions to the 20th Caribbean Geological Conference, Port of Spain

I am writing to tell you that we received the delightful total of 85 abstracts towards our three-day-long 20th Caribbean Geological Conference. These came from throughout the Caribbean Region, from the USA and Europe, and even farther afield. They will make for a packed programme with something for everyone, no matter what their geological or geophysical interest.

The following have been accepted as 30-minute talks:

Day 1 (18th May) Oral Presentations

- ♦ Randy Partap, Jaime Martinez, Caribbean plate evolution; Intra plate model observations and interpretations
- ♦ Patrick Loureiro, Paul Mann; Re-defining the active fault boundaries and kinematics of the Puerto Rico-Virgin Islands microplate
- ♦ Rob Govers, Steven van Benthem, Rinus Wortel; What drives micro-plate motion and deformation in the northeastern Caribbean Plate boundary region?
- ♦ Simon F. Mitchell, Alan Hastie, Rick N. Abbott Jr; Late Cretaceous to early Paleocene geological evolution of Jamaica.
- ♦ Daniel A. Rincón, Luis C. Mantilla F, Carlos Acuña M, Eduardo López, Pedro D. Gómez; Víctor Valencia; Geochemistry and Geochronology from Paleogene conglomerate rocks from San Jacinto Fold Belt: Insights to the Tectonic Evolution of the Colombia Caribbean region.
- ♦ Tricia Alvarez, Paul Mann, Lesli Wood, Carlos Alberto Vargas, Joan Latchman; Transition from Subduction to Strike-Slip in the Southeast Caribbean: Effects on Lithospheric Structures and Overlying Basin Evolution.

- ♦ Travis Tillman, Paul Mann; Hydrocarbon potential of Hispaniola and Puerto Rico based on combining depth to basement and maturity information from previous wells.
- ♦ Shenelle Gomez; Structural Framework and Hydrocarbon Potential of the Inner Forearc Deformation Belt, Tobago-Forearc Basin- Barbados Accretionary Prism Transition Zone
- ♦ Jenny Arkle, Lewis Owen, John Weber, Xavier Moonan, Eva Enkelmann; Late Neogene-Recent Evolution of the Northern Range, Trinidad.
- ♦ Randy Partap, Ramiz Israel, Nadeer Khan, Tracy Gunness, Katrina Packer, Antonio Hospedales, Adrian Tuitt, Doug Tasker, Patricia Nicholas; Columbus Basin Linked Structural Assemblages
- ♦ Nancy Gallai Ragoobar, Curtis Archie; Structural and stratigraphic evolution of the North Marine area, Gulf of Paria, Trinidad, since the Pliocene.
- ♦ Dale Baptiste, Russ Creath, Vishal Nagassar; Optimizing reservoir characterization through seismic data conditioning.
- ♦ Dennis Otto, Philip Schlueter, Terrell Dhanpaul, Samuel Ragbir, Nancy Gallai Ragoobar, Curtis Archie; Improved imaging of a fold and thrust belt regime, onshore Trinidad, by means of the Common Reflection Surface (CRS) method.
- ♦ Giovanni Medouri, Reece Ramsingh, Candido Gomez, Javier Oviedo, Luis Roncero; Paleo Residual Gas in Columbus Basin TSP Examples.
- ♦ Krishna Persad, Suhas Talukdar, Neil Ritson; Geochemical Analyses of oils in Goudron Field
- ♦ Steven Getz; Hydrocarbon Exploration for Large 'Overpressure-Enhanced' Oil and Gas Pools in Large Cenozoic Sand/Shale Depositional Systems
- ♦ Dadash Huseynov, Elmira Aliyeva; Determining Oil and Gas Maturity and mapping their "Deep" stratigraphic sources, South Caspian Basin: Possible applications to SE Caribbean Basins.
- ♦ Ron Daniel; Subsurface Planning and Outcomes of a Seabed Coring Programme for Petroleum Systems Modeling, Columbus Basin, Trinidad and Tobago.
- ♦ John Weber, Jenny Arkle, Nigel Noriega; Northern Range, Trinidad: The guppy geomorphology connection.
- ♦ Karilys Castillo, Paul Mann; Cenozoic history of the easternmost Eastern Venezuela foreland basin and Orinoco delta system.
- ♦ Kevin Tankoo, Simon Mitchell; Geotectonic Evolution and Stratigraphy of the North Coast Belt Jamaica: New Insights on the Structure and Petrophysical Characteristics of Eocene-Miocene Successions.
- ♦ Xavier Moonan, Mikhail Ramadhar, Tim Needham; Structural restoration of the Jasmine Complex and implications for Pleistocene depositional environment within the Paria Sub-Basin.
- ♦ Tracy Gunness, Katrina Packer, Randy Partap; Regional fault kinematics, propagation, growth and its impact on accommodation space distribution in the Columbus Basin, Trinidad.
- ♦ Esteban Alfaro, Michael Holz; Syn-rift and post-rift sequences in the southern Colombian Caribbean region based on new seismic stratigraphic interpretations.
- ♦ Adrian Thomas; North Soldado - Still pumping.

Day 2 (19th May) Oral Presentations

Tectonics, Structure, Stratigraphy, and Petroleum Systems of the Caribbean and its North and South American margins

- ♦ Jim Pindell; Caribbean Evolution from Pangea to the Present: Framework for Basin Evaluation.
- ♦ Kyle Reuber, Jim Pindell and Andy Bliss; New seismic data from Demerara Rise; SDRs and regional relations with surrounding terranes.
- ♦ Clyde Griffith and Anthony Richardson; Evidence for a Jurassic Source Rock in the Guyana-Suriname Basin.
- ♦ Brian Ott and Paul Mann; Tectonostratigraphic evolution of the Nicaraguan Rise based on integration of 2D seismic and potential fields data: New constraints on Caribbean Plate history and petroleum exploration.
- ♦ Bob Erlich, Jim Pindell, Leon Dzou, Pan-Atlantic; Late Triassic-Late Neocomian Paleogeography and Petroleum Potential of the Florida-Cuba-Bahamas Collision Zone.
- ♦ Goran Andjic and Peter Baumgartner; Late Cretaceous siliceous deep-water formations of the Nicoya Peninsula (Costa Rica): Age and relationship of the Loma Chumico and Berrugate Formation and consequences for the terrane stratigraphy.
- ♦ Dietmar Schumacher; Geochemical Exploration in Northern South America: Recent Successes from Venezuela, Colombia and Peru.
- ♦ Sonia Scarselli, Fernando Rodriguez, Bradley Nuse, Caroline Burke, Dave Widdoes, William Crane; Plate Tectonic setting and Structural Characterization of the Barbados Accretionary Prism.
- ♦ Tricia Alvarez, Paul Mann, Lesli Wood; Tectonics, Basin Evolution and Sediment Distribution within the Collision to Subduction Transition of the southeastern Caribbean Plate Boundary Zone in Offshore Trinidad.
- ♦ Nick Holmes, Roger Kimber, Xavier Moonan; Developing a Regional Stratigraphic Framework for the Late Miocene to Middle Pleistocene, NCMA, Trinidad & Tobago.
- ♦ Jim Pindell, Rod Graham, and Kyle Reuber; Sediment accretion and orogenesis in the Southern and Eastern Caribbean: one accretionary prism or two?
- ♦ Rod Graham, Kyle Reuber; Deformation, Mud Diapirism, and Petroleum Systems in the Barbados / Trinidad Prism.
- ♦ Krishna Persad and Suhas Talukdar; Overview of the Petroleum Geochemistry of Trinidad & Tobago.

Day 3 (20th May) Oral Presentations

- ♦ Tricia Alvarez, Paul Mann, Lesli Wood; Along-Strike Sediment Transport is an Underappreciated Control on the Pleistocene Sedimentary Record offshore East Coast Trinidad.
- ♦ Roger Kimber, Xavier Moonan, Andrew Thurlow; Early Pliocene shoreface sedimentation in response to intra-shelf tectonic instability, North Coast Marine Area, Trinidad & Tobago.
- ♦ Sherene A. James-Williamson, Simon F. Mitchell; Deposition Architecture of a fluvio-deltaic to reef crest succession, Port Morant Formation, Jamaica.
- ♦ Curtis Archie, Christopher Lakhan, Nancy Gallai Ragoobar; Use of biostratigraphy and 3D seismic to reinterpret depositional environments of the Lower Cruse in the southern basin of Trinidad.

- ♦ Peter O. Baumgartner, Claudia Baumgartner-Mora, Goran Andjic, Edward A. Salazar Ortiz, and Daniel Rincón Martínez; The role of short-lived Late Mesozoic - Tertiary carbonate banks along convergent margins, Nicaragua – Costa Rica – Panama – Colombia.
- ♦ Juan Carlos Silva-Tamayo, Alcides Sial, Andres Pardo, Bayona, German, Agustin Cardona, Camilo Montes; Changes in Eocene-Miocene Shallow Marine Carbonate Factories Along the Tropical Southeast Circum-Caribbean Responded to Major Regional and Global Environmental and Tectonic Events
- ♦ Thomas Stemann; Age and paleoecology of the earliest Cenozoic Caribbean coral reef communities
- ♦ Sadie Samsoukar, Jenai Valadere, Brent Wilson, Karuna Moonan, Xavier Moonan; High resolution benthic foraminiferal ecostratigraphy of the Cipero Formation, Trinidad.
- ♦ Claudia Baumgartner-Mora, Peter O. Baumgartner, Edward A. Salazar Ortiz, Daniel Rincón Martínez; Larger Benthic Foraminifera of Paleogene carbonate banks, Caribbean Colombia – ages and paleo-environmental implications.
- ♦ Brent Wilson, Milshah Ramkissoon; Foraminifera in the Concord Limestone member (Brasso Formation, Early Middle Miocene) or Trinidad, western tropical Atlantic Ocean.
- ♦ German David Patarroyo Camargo; Foraminiferal Assemblages and Paleoenvironmental inferences of the lowermost Colon Formation (Late Campanian): Cataumbo Basin, Colombia.
- ♦ Nicole Kioe-A-Sen; Exploring the geological conditions of gold mineralization in Suriname: an example of the Rosebel area, Suriname.
- ♦ Carl E Nelson; The metallogenic evolution of the Greater Antilles.
- ♦ George E. Daly; Geochemistry and magma evolution of Morne Patates volcano, Dominica Lesser Antilles.
- ♦ Michal Camejo, Richard Robertson, Elena Melekhova, Anna Hicks, Thomas Christopher; Petrology of Volcanic Rocks from Bequia and St. Vincent.
- ♦ Thomas E Christopher, Erouscilla Joseph, Viveka Jackson; A preliminary investigation of volcanic CO₂ and H₂O at Sulphur Springs St Lucia, using a multicomponent gas analyzer system (Multi-GAS).
- ♦ D Robertson, E Joseph, N Fournier, F Witham; Gas-liquid interactions in natural geothermal conduits: Implications for artificial gas-lift applications.
- ♦ Lloyd Lynch, Joan Latchman, Richard Robertson; Vulnerability of Commonwealth Caribbean Islands Economies to Large Earthquakes.
- ♦ Omari Graham, Alia Juman, Clevon Ash, Stacey Edwards, Richard Robertson; A Multi-Faceted Approach to Risk Reduction Using Public Education in the Eastern Caribbean.
- ♦ Ewald Poetisi, Anthony Druiventak; Groundwater stresses on the coastal aquifers in Suriname: a preliminary study on the vulnerability of the drinking water quantity and quality.
- ♦ Kailas Sekhar Banerjee, Lera Jittan; A Preliminary Study on the Distribution of Heavy Metals in Sediments of the Caroni River.
- ♦ Justo Manuel Herrera Napoles, Oscar Sosa Simoneau, Letty Dameca Galano; Columnas Litológicas.
- ♦ Rahje Shields, Robert Finkelman; Medical Geology: Relevancy to the Caribbean and Central America.

We cannot, I am afraid, accommodate every submission for our oral sessions, even though we will run sessions concurrently. Some abstracts, therefore, have had to be accepted as contributions towards what promises to be a vibrant poster session that will last throughout the conference. Those accepted as posters are as follows:

Days 1 & 2 (18-19th May) Poster Presentations

- ♦ William Cochran, Philip Prince, James Spotila; Rapid exhumation of Cretaceous – arc rocks along the Blue Mountain restraining bend, Jamaica, using apatite (U-Th)/He thermochronometry
- ♦ Elmira Aliyeva, Dadash Huseynov; Deep South Caspian Petroleum System.
- ♦ John Weber, Brent Wilson, Christian Koeberl, Ray Donelick, Esther Posener, Jenny Arkle, Leslie Barker; Barbados Oceanics Eocene provenance: pelagic, volcanic, impact, and “Sahara” dust?
- ♦ Karuna Moonan; Structurally controlled stratigraphic traps within the HGOR area Palo Seco, Southern Basin Trinidad: Evidence of backthrusting.
- ♦ Lennon Blackman; A new look at the Stratigraphy and depositional setting of the Shallow Herrera sands in Penal-Wilson-Barrackpore Field.
- ♦ Rajiv Lochan; Unravelling the structural and stratigraphic nature of the Late Miocene Cruse reservoirs along the Vance River/Boodoosingh anticlines within the Southern Sub-Basin, Trinidad.
- ♦ Josanne McMillan; The Geological Evaluation of the Middle Miocene Herrera deepwater turbidite sandstones within the Overthrust limb of the WSW plunging Penal/Barrackpore Anticline, Southern Sub-basin Trinidad.
- ♦ Barrios Sara, Brett Carlos; Combining multiple interpretation techniques to unravel the oil trapping system of 16 Area, Sinco Oil Field. Barinas, Venezuela.
- ♦ James, K. H. , N. Amelin and L. Miles; Geology Without Limits Investigation of Lithosphere Deep Structure of the Caribbean by Seismic Methods.
- ♦ Esteban Alfaro, Michael Holz; Seismic attributes, seismic geomorphology and stratigraphy of marine depositional systems controlled by tectonics (South Caribbean) and implications for hydrocarbon exploration.
- ♦ Rashad Ramjohn; Enhanced Oil Recovery: Investigating the viability of a Reversed Well-Pair Configuration to Steam Assisted Gravity Drainage (SAGD) and its Applicability to Heavy Oil Reservoirs in Trinidad.
- ♦ Dietmar Schumacher; Non-seismic detection of Hydrocarbons: Methods and Exploration Applications.
- ♦ Xiolaxis Navarro, Lissette Useche, Carlos Brett; Assessing the structural and stratigraphic framework of A/B 0001 reservoir of Páez-Mingo field as a step to build an enhance oil recovery plan.
- ♦ Sharon Kuhn, Is there hydrocarbon Potential in the Oceanic Crust Basins Offshore Suriname?

Day 3 (20th May) Poster Presentations

- ♦ Kathleen S. Gersie; Anthropogenic controls on the Lower-Suriname River, Suriname.
- ♦ Viveka Jackson , Erouscilla Joseph , Denise M. Beckles, Thomas E Christopher; Development, testing, and application of a low-cost technology sulphur dioxide monitor as a tool for use in a volcanic emissions monitoring network.
- ♦ Martinez-Sacristan, H; Captivating but Hazardous Geological Phenomena Named Domes, Bulges, feathers, and Mud Volcanoes Argillaceous Diapir Folds.
- ♦ Chris Churches, John Weber, Richard Robertson, Pete La Femina, Halldor Geirsson, Kenton Shaw, Machel Higgins, Keith Miller; Central Range continental transform fault, Trinidad: Update - New GPS evidence for creep, and geological and hazard implications.
- ♦ Lai Shan Sum, Brent Wilson, Xavier Moonan; Micropalaeontological Reconnaissance of the Rockly Bay Formation, Tobago.
- ♦ Brent Wilson; Determining percentage carrying capacity and delayed percentage-dependency lags in paleontological time series, illustrated using benthonic foraminifera in the Cipero Formation (Catapsydrax stainforthi Zone, Lower Miocene) of Trinidad, western tropical Atlantic Ocean.
- ♦ Simon F. Mitchell, Richard Coutou; Rudist Bivalves from the Lower Cretaceous of Trinidad.
- ♦ Ginny Bijnaar; Petrogenesis of the Kyanite Quartzites at Bosland, Brokopondo, Suriname.
- ♦ Brent Wilson, Hasley Vincent, Annalize McLean; A Microtektite Horizon in the Miocene Cruse Formation of Southern Trinidad.
- ♦ Nancy Gallai Ragoobar, Curtis Archie; Stratigraphic units in the North Marine area, how are they defined ? and what is the nature of the contacts between them?
- ♦ Dr. Sally Radford; Pioneers of Caribbean Sea Exploration.

Can you please indicate your willingness to submit a poster based on our decision? It is our hope that a good majority of you will do so. Final booth design will be announced in the poster kit and sent to all confirmed poster presenters. It is our intention to produce a volume of abstracts for participants' guidance during the conference. Abstracts for posters will be included in this. We also intend to produce a transactions volume for this important conference, and those submitting posters will be invited to have their work included on a CD-ROM included in the transactions.

This promises to be a vibrant conference, and we look forward to meeting you all in Port of Spain in May 2015. Thank you for your submissions!

Sincerely



Xavier Moonan
CGC Convener

If you have any questions, please contact the

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