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Visit us online at
<http://cbth.uh.edu/>

Contacts:

Dr. Paul Mann:
pmann@uh.edu

Project E-mail:
cbthproject@gmail.com

Edited by Jeff Storms:
jeffstormswork@gmail.com

Mailing Address:

312 Science and Research Bldg. 1
 Houston, TX 77204
 (712) 893-1731



What's New

CBTH Annual Sponsor Meeting 2024

The 2024 CBTH Annual Sponsor Meeting was held on Friday, October 11 at the Woodside office in west Houston. Thanks to everyone who was able to attend and special thanks to Luis Carlos Carvajal and the team at Woodside for hosting us! Sponsor representatives can download this year's meeting presentations as a PDF portfolio by **clicking here**.



CBTH students and staff at the 2024 CBTH Annual Sponsor Meeting.

CBTH presentations at IMAGE 2024

CBTH students and researchers recently presented 21 presentations at IMAGE 2024 on August 26-28 in Houston. We also hosted our Sponsor Luncheon during this event on Tuesday, August 27 at The Grove Downtown. Sponsor representatives can use their login credentials to access these presentations on our website by **clicking here**.

CBTH presentations at IMAGE 2025

CBTH students and researchers have submitted nine abstracts to present at IMAGE 2025 on August 25-28. Stay tuned for more details on these presentations as they become available. The CBTH Project will also be hosting our annual luncheon during this year's event (time and location TBD). If you are interested in attending this year's luncheon, email us at cbthproject@gmail.com



What's New

CBTH students recognized for their work at the 2024 Sheriff Lecture

At this year's Sheriff Lecture, three CBTH students were recognized for their research. Jumoke Akinpelu won Third Place in the Advanced PhD in Geology category, Kenneth Shipper won Second Place in the Advanced PhD in Geophysics category, and Estefani Ruiz Toro won First Place in the Junior MS / Undergrad in Geology category. **Click here** for a complete listing of winners.



Petroleum systems modeling short course

A one-day petroleum systems short course was presented at the University of Houston Department of Earth and Atmospheric Sciences on date on October 18 by industry consultant, EAS adjunct professor, and CBTH allied researcher Andrew Pepper. A second part of the course was held on April 16. Both courses were well attended by EAS undergraduate, master's and PhD students, post-doctoral researchers, and faculty. The course was jointly organized by two EAS student groups: the AAPG Wildcatters and the SEG Wavelets. A second, one day short course was held on April 16. Thanks to everyone who attended both events and the organizers. **Click here** for a description of the first course held in October.

Allied Researcher Sharon Cornelius presents at the Brazilian Petroleum Conference

In October 2024, CBTH Research Scientist Dr. Sharon Cornelius was in Rio de Janeiro to present her updated 3D basin model of the Santos-Campos-Espirito Santo salt basins that shows areas of predicted prospectivity along the southeastern extension of the external high. Petrobras invited her to present at their national Research Center (CENPES) in Rio de Janeiro and to attend the Brazilian Petroleum Conference on October 29-31.

Visits to sponsors during spring 2025

Paul Mann and members of the CBTH Project recently made office visits to CBTH sponsors CNOOC, Chevron, and Woodside Exploration in Houston. An office visit to sponsor Total Energies is planned along with an online visit with sponsor Petrobras. For all visits, recent basin modeling results were described using the Excalibur basin modeling software. Basin modeling parameters will be made available to sponsors online via Geopost this summer.



What's New

Student internships in industry for summer 2025

Congratulations to CBTH students Daniel Maya, Josh Miller, and Kenneth Shipper, who have all been offered industry internships for summer 2025. Daniel and Josh will be interning at TotalEnergies, and Kenneth will be interning at Hilcorp. We thank each of these companies for these outstanding opportunities and look forward to a productive summer!

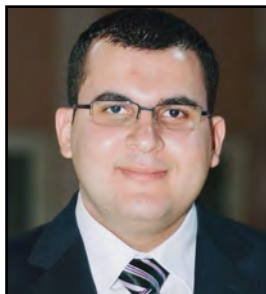
EAS Team placed second in North America for the Hydrocarbon Exploration Category

A team of five Ph.D. and M.S. graduate students from the University of Houston's Department of Earth and Atmospheric Sciences won second place in the North American Division of the Imperial Barrel Award Program (IBA) of the American Association of Petroleum Geologists (AAPG). Team members are Jameson Hampton (MS, Team Captain), Jack McLaughlin (MS), Estefani Ruiz-Toro (MS), Leo Collier (MS), and (MS). Faculty advisors are Paul Mann, Hua-wei Zhou, and Jose Gorosabel (Young Professional advisor). Industry advisors include Gary Guthrie (retired from Marathon) and Steve Walkinshaw (Vision Exploration). The second-place global finals finish of the UH team was based on their analysis of a petroleum data set from the North Slope of Alaska. They received a \$500 cash prize for the AAPG student Wildcatters group. Winner of the competition was Texas A&M University that advances to the Global Finals on May 2. Third place finisher was Rice University. Other teams participating in the North America division included: Birmingham University (NY), University of Georgia, Louisiana State University, and Colorado School of Mines.





Graduating Students



MOHAMED ABDELFATAH joined the CBTH Project in 2021 as an MS student, where he worked on basin analysis, subsurface structure and petroleum systems potential of the Red Sea basin. He completed his MS thesis, titled “Tectonics, Crustal Types, Structural Style, and Hydrocarbon Potential of the Northern Red Sea Rift,” in December 2024 and now works as a Geothermal Data Analyst with AAPG.

CHESNEY PETKOVSEK will defend her PhD dissertation on May 15, 2005 (EAS PhD committee: Mann, Castagna, Sun). Her study is titled “Impact of interval-specific geothermal gradient calculations on the hydrocarbon potential of the Delaware Basin, west Texas.” She is currently a senior geologist at Quantum Capital Group in Houston.



New Students



ARY GUSTAVO CANDIDO is currently an exploration geologist with Petrobras in Rio de Janeiro, Brazil, who will begin a PhD study in August 2025 on the source rocks of Brazil's rifted-passive margins and their conjugates in West Africa. His UH PhD study will be supported by Petrobras.

ALEXEI IGNATIEV is a new MS student working on a project entitled “Cretaceous opening of the Canada Basin (High Arctic): New constraints from regional gravity and magnetic data.” This project merges regional magnetic and gravity data with the large volume of seismic reflection data to illustrate the transition from Mesozoic continental rifting in the Chukchi offshore province of Alaska, the North Slope of Alaska, and the Arctic margin of Canada.





New Students

HAMMA ADA MOUSSA, PhD, is a visiting Fulbright Scholar from the University of Niamey in Niger (Central Africa) where he is a researcher and instructor. CBTH is hosting him in our lab where he is interpreting seismic and well data from the Termit rift system of Niger which is related to the fragmentation of the African plate during the opening of the South Atlantic Ocean. He will use these data to create an improved basin model for this area of the rift system.



Proposing PhD and MS Students

Six students working with the CBTH project proposed their MS and PhD projects this spring 2025 semester. These proposal meetings are a requirement for second-semester MS students and fourth-semester PhD students.

Jumoke Akinpelu, PhD proposal: Controls of crustal structure on petroleum systems on conjugate, rifted-passive margins in Brazil and West Africa (Committee: Mann, Suppe, Sun, Jonk)

Daniel Maya, PhD proposal: Crustal structure of the volcanic rifted margin of Uruguay with integrated basin modeling and geophysical assessments of its deepwater hydrocarbon potential (Committee: Mann, Sager, Castagna, Rotzien)

Ruth Beltran, PhD proposal: Aptian-Albian tectonic evolution of a hyper-extended, continental rift system in the ultra-deepwater Campos basin, Brazil (Committee: Mann, Sun, Suppe, Mora)

Estefania Toro-Ruiz, MS proposal: Integrated geological and geophysical studies to understand the Cretaceous to Recent tectonic origin and accretionary history of the Bering Sea and adjacent terranes in Alaska and northeastern Russia (Committee: Mann, Suppe, Heinlein)

Josh Miller, MS proposal: Evolution and tectonic controls of 50 million years of contourite and turbidite sedimentation along the deepwater margin of Uruguay (Committee: Mann, Castagna, Rotzien)

Peter Savrides, MS proposal: Crustal structure, tectonostratigraphy, and hydrocarbon potential of the deepwater, rifted-passive margin of Nova Scotia (Committee: Mann, Suppe, Radovic)



Recent Meetings

IMAGE 2024 (Houston, August 26-29, 2024)

- Akinpelu, J., and Paul Mann, P., 2024, Re-defining the continent-ocean boundary beneath the distal Niger delta and expanding its deepwater, hydrocarbon play fairway based on the wider zone of continental rifts and syn-rift source rocks, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Beltran, R., 2024, HC potential of the Campos ultra-deepwater using multiple data types, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Beltran, R., and Mann, P., 2024, Crustal structure and hydrocarbon potential of the ultra-deepwater, External rift zone, Campos basin, Brazil, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Cornelius, S., 2024, A new deepwater HC play in the deepwater Santos basin predicted from basin modeling, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Cornelius, S., 2024, Regional 3D basin modeling of the Santos-Campos-Espirito Santo basins, offshore Brazil, for predictive prospectivity of the external rift zone presalt source rock, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Gorosabel Araus, J.M., and Mann, P., 2024, 3D seismic characterization of hydrocarbon plays in the deepwater zone of the Rio Muni Basin, deepwater margin of Equatorial Guinea, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Gorosabel Araus, J.M., Mann, P., Melo, A., de Castro, D., and Oliveira, D., 2024, Hydrocarbon potential of the deepwater Barreirinhas Basin and the Equatorial Margin of Brazil based on refined source rock characterization and basin modeling, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Gorosabel Araus, J.M., Shipper, K., Mann, P., Pepper, A., Hasan, N., and Laigle, J.M., 2024, Predicted deepwater and sub-salt HC trends in Morocco from basin modeling, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.



Research Scientist Sharon Cornelius presents at IMAGE 2024.



Recent Meetings

IMAGE 2024 (Houston, August 26-29, 2024)

- Mann, P., 2024, Advances in basin modeling and analytics for new insights for deepwater reservoirs, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Maya, D., and Mann, P., 2024, Crustal structure of the volcanic-rifted margin of offshore Uruguay based on gravity modeling and application to hydrocarbon basin modeling, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Miller, J., and Mann, P., 2024, Comparison of potential fields and seismic reflection data from known and proposed areas of exhumed mantle on non-volcanic, rifted-passive margins: Implications for frontier hydrocarbon exploration of the ultra-deepwater realm, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Ramos, J.P., Mann, P., and Carvajal-Arenas, L.C., 2024, Reassessing the Late Cretaceous basement crustal structure of the Colombian Basin and its implications for ultra-deepwater petroleum systems in the Caribbean Sea, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Shahriar, U., Stewart, R., and Mann, P., 2024, Structural and stratigraphic style of the Andaman back-arc basin and its HC prospectivity, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Shipper, K., 2024, A new basin model for the Guyana-Suriname margin and its predicted HC trends, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Shipper, K. and Mann, P., 2024, Controls on the tectonic evolution of source rock thermal stress patterns in the Moroccan salt basin, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.
- Shipper, K. and Mann, P., 2024, 3D crustal model for the volcanic-rifted margin of Suriname and the non-volcanic margin of Guyana with implications for Jurassic-Cretaceous source rock maturity, IMAGE 2024, Houston, Texas, Aug. 26-29, 2024.

HGS-GESGB Africa Conference (Houston, September 24-25, 2024)

- Akinpelu, J., 2024, Expanding the play fairway of hydrocarbon systems based on syn-rift Cretaceous source rocks, western Niger Delta, offshore Nigeria, HGS-GESGB Africa Conference, Houston, Texas, Sept. 24-25, 2024.
- Gorosabel-Araus, J.M., 2024, Hydrocarbon prospectivity of the deepwater Rio Muni Basin, offshore Equatorial Guinea, based on the 3D seismic characterization of hydrocarbon play, HGS-GESGB Africa Conference, Houston, Texas, Sept. 24-25, 2024.
- Shahriar, U., 2024, Impact of the transition from a Jurassic volcanic to non-volcanic rifted margin on hydrocarbon prospectivity in northwest Africa, HGS-GESGB Africa Conference, Houston, Texas, Sept. 24-25, 2024.
- Shipper, K., 2024, Tectonic history and transient full-lithosphere thermal modeling to predict thermal stress of source rocks within the Moroccan basin, HGS-GESGB Africa Conference, Houston, Texas, Sept. 24-25, 2024.



Recent Meetings



PhD student Jumoke Akinpelu presents at the HGS-GESGB Africa Conference.

CBTH Annual Sponsor Meeting (Houston, October 11, 2024)

- Akinpelu, J., 2024, Crustal structure characterization offshore Niger delta, Nigeria and implications for ultra-deepwater hydrocarbon exploration, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Beltran, R., 2024, Hydrocarbon prospectivity of the deepwater External rift, Campos basin, Brazil, based on potential fields and seismic characterization, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Cornelius, S., 2024, Updated regional 3D modeling of the Santos-Campos-Espirito Santo salt basin for predictive prospectivity, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Gorosabel Araus, J.M., 2024, 3D Basin modeling of the Douala-Rio Muni Basins, offshore Equatorial Guinea, West Africa, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Gorosabel Araus, J.M., 2024, CBTH database and Geopost online portal, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Gorosabel Araus, J.M., 2024, Geochemical characterization of the Brazilian Equatorial Margin and its implications for basin modeling and hydrocarbon prospectivity, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Gorosabel Araus, J.M., 2024, Structure, traps, and potential hydrocarbon plays along the Moroccan Atlantic Margin, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Mann, P., 2024, Building a regional database for the rifted-passive margin of northwest Africa from Gibraltar to the Guinea Plateau, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.
- Mann, P., 2024, Clues in Guyana to the geology and hydrocarbon potential of Trinidad – and vice versa, First EAGE Conference on Energy Opportunities in the Caribbean, Port of Spain, Trinidad, Nov. 6-8, 2024.



Recent Meetings

CBTH Annual Sponsor Meeting (Houston, October 11, 2024)

Mann, P., 2024, Major themes of CBTH Phase VII in North America and the Caribbean, and the Atlantic margins, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Mann, P., 2024, Meeting summary and discussion with sponsors with future directions of the project in Phase VII, Year 2, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Mann, P., 2024, Summary of key results in papers from G3 special issue on the Caribbean plate in 2024, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Mann, P., 2024, Welcome and overview of the CBTH Annual Sponsor Meeting (Phase VII, Year 1), CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Maya, D., 2024, Aptian oblique rifting of the Uruguay margin and its effects on deep-water, hydrocarbon maturation, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Miller, J., 2024, Comparison of potential fields and seismic reflection data from known and proposed areas of exhumed mantle on non-volcanic rifted margins, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Pepper, A., 2024, Basin modeling of Equatorial Africa, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Petkovsek, C., 2024, Gravity and magnetic modeling of basement features beneath the Delaware Basin, West Texas and Southeastern New Mexico, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Ruiz Toro, E., 2024, Crustal and basinal framework of the Bering Sea and Aleutian arc, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Savrides, P., 2024, Regional overview of the rifted-passive margin of eastern offshore Canada to identify deepwater, hydrocarbon prospects, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Shipper, K., 2024, Crustal structure, deformational history, and tectonic origin of the Bahamas Carbonate Platform, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Shipper, K., 2024, Regional basin model for the Guyana-Suriname margin and its predicted hydrocarbon trends, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Shipper, K., Mann, P., Pepper, A., and Laigle, J.M, 2024, Lithospheric and thermal modeling of the Moroccan Atlantic margin and its implications for hydrocarbon exploration, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Storms, J., 2024, CBTH website, deliverables to sponsors, and Geopost demo, CBTH Annual Sponsor Meeting, Houston, Texas, Oct. 11, 2024.

Brazilian Petroleum Conference (Rio de Janeiro, October 29-31, 2024)

Cornelius, S., 2024, Regional 3D basin modeling of the Santos-Campos-Espirito Santo salt basin for predictive prospectivity, Brazilian Petroleum Conference, Rio de Janeiro, Brazil, Oct. 29-31, 2024.



Recent Meetings

Colombian Geoscientists Network (CGN) Talk (Houston, November 7, 2024)

Ramos, J.P., 2024, The world's deepest offshore oil well will be drilled in the Caribbean: What is the potential petroleum system of the ultra-deepwater Colombian Basin?, Colombian Geoscientists Network (CGN) Talk, Houston, Texas, Nov. 7, 2024.

EAS-HGS Annual Sheriff Lecture (Houston, November 11, 2024)

Akinpelu, J., 2024, Crustal structure characterization offshore Niger delta, Nigeria and implications for ultra-deepwater hydrocarbon exploration, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

Beltran, R., 2024, Gravity and seismic characterization of the hyperextended crust and its transition into oceanic crust in the External rift, Campos Basin, Brazil, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

Maya, D., 2024, Late-stage, oblique rifting of the Uruguayan volcanic rifted margin and its effects on deepwater hydrocarbon maturation, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

Miller, J., 2024, Evolution and tectonic controls of 50 million years of contourite and turbidite sedimentation along the deepwater margin of Uruguay, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

Ruiz Toro, E., 2024, Tectonic origin of the Bering Sea constrained by regional integration of geologic and geophysical data, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

Shipper, K., 2024, Implications of lithospheric and thermal modeling of the Moroccan margin on petroleum exploration, EAS-HGS Annual Sheriff Lecture, Houston, Texas, Nov. 11, 2024.

AGU Annual Meeting (San Francisco, December 9-13, 2024)

Mann, P., Gorosabel Araus, J.M., and Shipper, K., 2024, Pliocene to Recent collision of the Ontong Java Plateau with the Solomon island arc: Evidence from plate reconstructions, potential fields and marine geophysical data, AGU Annual Meeting 2024, San Francisco, California, Dec. 9-13, 2024.

Sun, L., 2024, Tectonic settings and fault kinematics of the 2021 Haiti earthquake and the 2020 Puerto Rico earthquake based on satellite Geodesy, AGU Annual Meeting 2024, San Francisco, California, Dec. 9-13, 2024.

AAPG's Generative AI, Machine Learning and Analytics in Subsurface Energy (Houston, December 10-11, 2024)

Shipper, K., 2024, Source rock maturity modeling using ML-based ExCaliber software offshore Guyana-Suriname and Morocco, AAPG's Generative AI, Machine Learning and Analytics in Subsurface Energy, Houston, Texas, Dec. 10-11, 2024.



Recent Meetings

Potential Fields SIG Seminar (Houston, March 20, 2025)

Shipper, K. 2025, Reducing uncertainties in basin modeling with potential fields data and methodology represented by three case studies - offshore Morocco, Bahamas, and Guyana-Suriname, Potential Fields SIG Seminar hosted by the Geological Society of Houston, March 20, 2025.

Upcoming Meetings

Please visit our website for updated lists of accepted presentations as they become available.

First EAGE Atlantic Geoscience Resource Exploration & Development Symposium: Atlantic Conjugate Margins and Their Global Significance in Our Energy Future (May 5-7, 2025)

UH Student Research Day (May 8, 2025)

Jumoke Akinpelu - Crustal structure characterization offshore Niger Delta, Nigeria: impact on hydrocarbon exploration in ultra-deepwater

Ruth Beltran - Crustal structure and structural evolution of the Brazilian rifted passive margin in the Campos basin, Brazil

Daniel Maya - Crustal structure and basin modeling of Cretaceous source rocks in deepwater settings

Josh Miller - 3D seismic stratigraphy and tectonic controls on contourite and turbidity sedimentation along the deepwater Atlantic margin of Uruguay

Peter Savrides - Crustal structure, tectonostratigraphy, and hydrocarbon potential of the deepwater, rifted-passive margin of Nova Scotia

Kenneth Shipper - Regional maturation model for hydrocarbons along the Guyana-Suriname margin based on improved estimates of the thickness and thermal structure of the rifted lithosphere

Estefani Ruiz Toro - Tectonic origin of the Bering Sea from geophysical and geological constraints

IMAGE 2025 (August 25-28, 2025)

Nine abstracts were submitted by the CBTH group for this meeting on topics that include studies in Guyana-Suriname, Brazil, Uruguay, Morocco, Nigeria, and Equatorial Guinea. We will also be hosting our annual sponsor luncheon during this event (date and location TBD)

HGS Student Expo (September 15-16, 2025)



Upcoming Meetings

AAPG ICE (September 30 - October 3, 2025)

Sharon Cornelius - The importance of regional studies to de-risk expensive deepwater exploration: A case study in the Santos-Campos-Espirito Santo salt basin

Jose Gorosabel, Paul Mann, Karen Maria Leopoldino Oliveira, Ana Clara B. de Souza, and Ian Cerdeira - Source rock characterization and 3D basin modeling of the deepwater Ceara Basin of the Brazilian Equatorial Margin

Kenneth Shipper, Jose Gorosabel, and Paul Mann - Hydrocarbon exploration of Guyana: Past, present and future



CBTH Annual Sponsor Meeting (October 10, 2025)

HGS Africa Conference (October 19-22, 2025)

GSA Annual Meeting (October 23-25, 2025)

Recent Theses & Dissertations

Abdelfatah, M., 2024, Tectonics, crustal types, structural style, and hydrocarbon potential of the northern Red Sea rift, MS thesis, University of Houston, 107 p.

Ramos, J.P., 2024, Tectonostratigraphic Studies of the Paleogene Yucatan Back-Arc Basin, the Miocene-Recent Collisional Zone Between the Panama Arc and South America, and the Late Cretaceous Caribbean Large Igneous Province and its Adjacent Oceanic Crust, PhD dissertation, University of Houston, 254 p.



Recent Publications

- Hippolyte, J.C., Mann, P., Henry, P., Guihou, A., Deschamps, P., Ourliac, C., Godeau, N., Marié, L., and Gordon, M.B., 2024, U–Pb calcite dating reveals the origin of a 600 km-long intraplate fault: The Balcones Fault System of Texas, *Terra Nova*, 00, p. 1-10. <https://doi.org/10.1111/ter.12734>
- Kusky, T.M., Mann, P., and Meng, J., 2025, The February 8, 2025, Swan Islands (Caribbean Sea) earthquake: Lessons for geohazards on transform plate and micro-plate boundaries, *Journal of Earth Science*, v. 36, p. 852-855. <https://doi.org/10.1007/s12583-025-0176-7>
- Petkovsek, C., 2024, Multilayer 3D seismic attribute analysis and fault framework modeling of shallow extensional fault systems in the Delaware Basin, *Interpretation*, v. 12, no. 4, T399–T412. <https://doi.org/10.1190/int-2023-0132.1>
- Ramos, J.P., Mann, P., and Carvajal-Arenas, L.C., 2025, Crustal structure and tectonic origin of Late Cretaceous oceanic crust and adjacent Caribbean Large Igneous Province in the Colombian Basin, *Geochemistry, Geophysics, Geosystems*, v. 26, e2024GC011602. <https://doi.org/10.1029/2024GC011602>
- Shipper, K. and Mann, P., 2024, Crustal structure, deformational history, and tectonic origin of the Bahamas carbonate platform, *Geochemistry, Geophysics, Geosystems*, v. 25, e2023GC011300. <https://doi.org/10.1029/2023GC011300>

Awards

- Jumoke Akinpelu, PhD Candidate, 3rd Place Presentation (Advanced PhD, Geology), Houston Geological Society and University of Houston Robert E. Sheriff lecture series and student poster competition
- Kenneth Shipper, PhD Candidate, 2nd Place Presentation (Advanced PhD, Geophysics), Houston Geological Society and University of Houston Robert E. Sheriff lecture series and student poster competition
- Estefani Ruiz Toro, MS Candidate, 1st Place Presentation PhD Candidate (Junior MS/Undergrad, Geology), Houston Geological Society and University of Houston Robert E. Sheriff lecture series and student poster competition
- 3rd Place, Imperial Barrel Award Program (IBA) of the American Association of Petroleum Geologists (AAPG) Global Finals
- 1st Place, Imperial Barrel Award Program (IBA) of the American Association of Petroleum Geologists (AAPG) Gulf Coast Competition
- Sharon Cornelius, Researcher, 3rd Place Grover E. Murray Best Published Paper in the 2023 Transactions, GeoGulf 2024
- Juan Pablo Ramos, PhD Candidate, 2023 Gordon I. Atwater Award for Outstanding Poster Presentation, GeoGulf 2024



Thanks to our sponsors!

As we continue into Phase VII of the CBTH Project, we would like to thank our active and inactive company sponsors for their support in providing data and software that has fostered our progress in understanding the hydrocarbon potential conjugate rifted-passive margins in the CBTH study area. Your support has provided many opportunities for CBTH students to pursue research projects in the region, and your support is truly appreciated.

Active Sponsors for Phase VII, Year 2



Previous Sponsors (2005 - 2024)



Data Sharing



Technical Support

