

**Lorena Moscardelli**  
Curriculum Vitae  
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Bureau of Economic Geology  
The University of Texas at Austin  
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## Summary

- Ph.D. in Geological Sciences with over 24 years of experience in academia and industry on various fields of geology, including O&G and emerging energies. Experience in research, exploration, field development, and technical management.
- Currently Director of the Bureau of Economic Geology, Jackson School of Geosciences, and State Geologist of Texas managing a team of 250 staff members including researchers, support staff, and students and a budget of ~\$30MM.
- Published over 30 peer-reviewed papers and presented over 50 talks at national and international conferences and workshops on topics related to O&G and emerging energies, including oil and gas exploration and hydrogen.
- Experienced leader and mentor, supervising postdoctoral researchers and graduate students, serving on scientific advisory committees.
- Effective communicator, engaging and collaborating with internal and external stakeholders, including Texas small operators, and multinational energy companies. Featured in several media outlets, podcasts, and videos.
- Hands on technical work on a variety of projects from emerging energies to conventional O&G exploration.

## Academic Background

Ph.D. Geological Sciences, The University of Texas at Austin, May 2007

Dissertation: Mass transport processes and deposits, and their role in continental margin development

B.Sc. Geological Sciences, Universidad Central de Venezuela, Caracas, 2000

Thesis: Seismostratigraphic study of a Miocene-Pleistocene subsurface interval, northern Monagas, eastern Venezuelan Basin.

## Professional Development

Executive Development Program Certificate, Wharton School of Business (in-person) (10/2024)  
AI in Education: Leveraging ChatGPT for Teaching, Wharton School of Business (online) (11/2024)  
Equinor Leadership Academy, Austin, 2021  
Equinor Global Development Program, Bergen, 2020

## Professional Work Experience

### Present Positions

**1. Director Bureau of Economic Geology and State Geologist of Texas / Professor Edwin Endowed Chair in Subsurface Geology, Jackson School of Geosciences, The University of Texas at Austin**

*Austin, Texas (March 2025 – Present)*

- Manage 250 staff members including researchers, support staff, and students with a budget of ~\$30MM/year.
- Lead BEG's mission to serve society by conducting objective, impactful, and integrated geoscience and engineering research on relevant energy, environmental, and economic issues.
- Supervising graduate student research linked to energy topics with a subsurface emphasis. Supporting the educational mission of the Jackson School of Geosciences.

**2. Scientific Advisory Committee Member - National Centre for Sustainable Subsurface Utilization of the Norwegian Continental Shelf at University of Stavanger**

*Stavanger, Norway (March 2023 – Present)*

- Provide advice to the Centre Directorate regarding program conceptualization, strategy development and research design with emphasis on emerging energy opportunities and optimization of resources in the Norwegian Continental Shelf.

**3. KBH Energy Center UT Austin - Geosciences Executive Council Co-Chair**

*Austin, Texas (September 2024 – Present)*

- Provide advice and serve as liaison between the KBH center, the JSG and the energy industry in the United States and abroad to foster center activities and programs with special focus on student programs/activities.

### Past Positions

**4. Research Associate Professor and Principal Investigator of the State of Texas Advanced Resource Recovery Program (STARR) at The Bureau of Economic Geology, Jackson**

***School of Geosciences – The University of Texas at Austin***  
*Austin, Texas (December 2023 – March 2025)*

- Manage STARR program with a budget of \$2.3 million and a team of 27 researchers, postdocs, and students delivering high-quality research on O&G and emerging energy opportunities.
- Lead emerging energy and resource opportunities project for University Lands.
- Lead research on hydrogen storage in salt caverns in collaboration with GeoH2.
- Lead Texas effort as part of the “Northern Gulf of Mexico Basin Stratigraphic Reconciliation Initiative” in collaboration with state geologists from Alabama, Arkansas, Louisiana, and Tennessee.
- Advise graduate student research as a member of the JSG Graduate Student Committee (GSC).
- Publish and present research results in peer-review journals and conferences.
- Engage and collaborate with internal and external stakeholders.
- Pursue additional funding opportunities via emerging energies and other initiatives (DOE and NSF proposals)
- Coordinate research activities, fund raising, and personnel supervision.

***1. Research Scientist and Principal Investigator of the State of Texas Advanced Resource Recovery Program (STARR) at The Bureau of Economic Geology, Jackson School of Geosciences – The University of Texas at Austin***  
*Austin, Texas (April 2021 – November 2023)*

***2. Principal Researcher Equinor***  
*(June 2013 – April 2021)*

***a. Principal Researcher Exploration, Equinor Exploration Canada***  
*Austin, Texas / Calgary, Canada (November 2020 – March 2021)*

- Exploration geologist working on prospect maturation and regional geology in the Flemish Pass, Newfoundland
- Participated in Leadership Academy (corporate leadership succession program)

***b. Principal Researcher Exploration, Equinor Shale, Oil and Gas***  
*Bergen, Norway (October 2019 – October 2020)*

- Global Development Program (corporate leadership succession program) in assignment to Field Development in Drilling and Production Norway (DPN) in Bergen.
- Coordinated overburden management activities in the Garantiana field development project, Tampen-Spur area.
- Asterix field development project in the Vøring Basin. Interfaced with

geomodeler and petroleum engineer to help build static and dynamic models of the field.

**c. *Principal Researcher Exploration, Equinor Exploration Technology***

Austin, Texas (June 2013 – October 2019)

- Generated depositional models in the Frøya High (Norwegian Continental Shelf) using seismic geomorphological and seismic stratigraphic techniques as part of the Basin Highs Project (2013-2014). Results were submitted to the Norwegian Petroleum Directorate as part of the successful “Awards of Predefined Areas” (APA) 2014 application.
- Regional Evaluation Technology Project (RET) (2014-2017): Contributed to the development of technologies associated with regional evaluation workflows. Developed regional depositional models in offshore Nova Scotia (Shelburne Sub-basin) (Moscardelli et al., 2019). Results were used as part of the decision-making process to acquire 6,000 sq km of exploration acreage in offshore Nova Scotia in 2015.
- GoM Exploration (2016): Input to Mexico access team as a specialist on deepwater stratigraphy. Generated depositional model to risk presence of Cantarell like facies in the Campeche region.
- Task Manager Tectonostratigraphy of Source Rocks (HC2SR) Research Project (2018 - 2019): Conceptualization, design and implementation of a research project to incorporate innovative biogeochemistry tools (aka. diamondoids) as a tool to reconstruct depositional environments and to fingerprint oils/condensates. GOM and NCS case studies.
- University Liaison: Followed up external consortia with different universities. Followed up the UT/Equinor Fellowship program.

**3. *Adjunct Professor Central University of Venezuela (UCV) - Geology Department (Ad Hoc)***

Distance Education Graduate Program (Spring 2018 – Spring 2019)

- Graduate level course offering: Advance Stratigraphy (Spring) and a Special Topic on Petroleum Geology (Fall)
- Graduate student advising

**4. *Research Associate, Bureau of Economic Geology (UT)***

Austin, Texas (June 2007 – June 2013)

**a. *Seismic Interpreter for State of Texas Advanced Resource Recovery Program***

**(STARR)** (June 2007 – June 2009)

Principal seismic interpreter for Pearl project - Copano Bay, South Texas (MPG Petroleum). Development of subsurface geological model. Prospect identification and mapping.

**b. Co-Founder and Co-Principal Investigator of the Quantitative Clastic Laboratory Industrial Associates Program (QCL)** (June 2009 – June 2013)

Responsible for the deep-water component of the research program. Supervisor and co-supervisor of graduate students working for JSG/QCL. Core geographic areas: offshore Trinidad, Venezuela, New Zealand, Morocco, GoM (USA and Mexico) and Norwegian Continental Shelf.

**5. Lecturer, Jackson School of Geosciences (UT)**

Austin, Texas (August 2009 – December 2015)

Responsible for designing and teaching “GEO 384G Mapping and Petroleum Workstations” for graduate students and upper division undergraduates. The course familiarized students with the use of specialized software for subsurface mapping of stratigraphic and structural features within a Petroleum Geology context. The course was designed as a combination of lectures and hands-on exercises that covered the entire spectrum from regional to reservoir scale evaluations and the process of defining exploration prospects.

**6. Graduate Research Assistant, Bureau of Economic Geology (UT)**

Austin, Texas (Fall 2003 – Spring 2007).

Conducting research on the broader topic of gravity-driven deposition within continental margins around the world as part of PhD work at QCL

**7. Summer Intern, BHP Billiton**

Houston, Texas (Summer 2006)

Seismic geomorphological analysis of depositional systems in the Atlantis Field (GoM) with emphasis on a Pleistocene gas opportunity. New potential targets were identified within the Pleistocene based on the seismic geomorphological interpretation that was performed as part of this study.

**8. Summer Intern, OXY Occidental Oil and Gas**

Houston, Texas (Summer 2005)

Application of quantitative seismic geomorphological techniques using 3D seismic data and well control to better understand productive units associated with the Morrow and Chester fluvial systems, Hugoton Embayment (Kansas). The analysis was used to predict areas of better reservoir development and to identify additional drillable prospects.

**9. Exploration Geologist, *Petróleos de Venezuela PDVSA***

Caracas, Venezuela (August 2001 - January 2003)

Provided stratigraphic support in projects in the Eastern Venezuela Basin. Seismic-stratigraphic interpretation (North of Monagas and La Blanquilla projects) Generation of new prospects in onshore and offshore Eastern Venezuela (Plataforma Deltana - north of Liza discovery in offshore Guyana).

**10. Exploration Geologist, *RICE & AVENDANOS***

Caracas, Venezuela (October 2000 - June 2001)

Performed biostratigraphic, electrofacies and seismic stratigraphic interpretations that resulted in the generation of paleoenvironmental maps for the Plataforma Deltana region in the offshore area of the Orinoco Delta (Atlantic margin).

**11. Teaching Assistant, *Universidad Central de Venezuela***

Caracas, Venezuela (July 1997 - October 2000).

TA Physical Geology. Responsible for laboratory activities with undergraduate students.

## Service to Professional Associations

**1. Vice-President Sections American Association of Petroleum Geologists**

*Tulsa, Oklahoma (2024-2026)*

- Coordination of activities of the association with the United States sections grouping state and local geological associations.

**2. Founding Member of the EAGE Hydrogen and Energy Storage Community (HESTC)**

*Utrecht, Netherlands (2023 – present)*

- The EAGE HESTC is a network of members interested in sharing knowledge and developing skills among geoscientists and engineers working in hydrogen and energy storage analysis, strategies, and technologies

**3. Advisory Board Venezuelan American Petroleum Association**

*Houston, Texas (2021- 2022)*

- Provide advice to the board on matters related to emerging energy opportunities, liaison with academic institution in the United States and abroad. Mentoring and advising of early career professionals and students in the United States and Venezuela.

**4. Board of the Directors Venezuelan American Petroleum Association**  
*Houston, Texas (2020 – 2021)*

- Plan association activities with emphasis in the mentoring and advising of young professionals and students. Contribute to strategic vision of the association and planning of future activities and engagements.

**5. Project Leader UNESCO/IGCP 640 - Significance of Modern and Ancient Subaqueous Slope Landslides**

*Austin, Texas (2015 - 2020)*

- The IGCP-640 project focused on facilitating the interaction of scientists, engineers, industry and government representatives, and other parties interested in understanding subaqueous mass movements and their anthropogenic significance. The project concentrated in developing and fostering scientific interchange among students and early career professionals with special emphasis on those individuals from historically underrepresented countries. This project was part of an initiative by the International Geoscience Programme (IGCP) and UNESCO.
- Responsible for project proposal and management. Defining strategies to increase the collective interchange of information and knowledge among project participants, as well as the definition of research direction.
- Coordinating yearly activities including publication of special issues, and organization of workshops, and special sessions as part of major scientific meetings. Management of student grants and organization of the highly successful bi-annual subaqueous landslide symposia.

## Other Service to Professional Associations

American Association of Petroleum Geologists (AAPG) (1996 – present)

- Panel Chair *Exploring the Hydrogen Rainbow: from Source to Market* (Energy Opportunities 2023 Mexico City, Mexico)
- Theme Chair *Exploring the Potential of Hydrogen Energy in Latin America and the Caribbean* (Hydrogen 2022 Virtual Technical Symposium)
- Panel Chair *Sustainability in Energy Panel: The Role of the Energy Transition in Latin America and Caribbean Region* (ICE 2021 Cartagena, Colombia)
- Theme Chair *Energy, Society and Environment* (ICE 2021 Cartagena, Colombia)
- Theme Chair *Brazil Atlantic Margin E&P* (ICE 2021 Cartagena, Colombia)
- Panel Chair *Potential for Carbon Use and Storage and Hydrogen Generation in Latin America and the Caribbean* (Energy Opportunities 2021, Virtual)

- General Chair *Annual Conference and Exhibition* (ACE 2019 San Antonio, Texas)
- Theme Chair Deep-Water (ACE 2017 Houston, Texas)
- Session Chair *Mass Movements and Their Consequences for Deepwater Exploration and Production* (ACE 2010 New Orleans, Louisiana)
- Session Chair *Recent Advances in Deepwater and Shelf Siliciclastic Facies Models: Implications for Reservoir Characterization* (ACE 2006 Houston, Texas)

#### UNESCO International Geoscience Program

- Project Participant IGCP-585 (2010-2015) *Earth's Continental Margins: Assessing the Geohazard from Submarine Landslides*
- General Chair 4<sup>th</sup> International Symposium on Submarine Mass Movements and Their Consequences (IGCP-511 2009 Austin, Texas)
- Project Participant IGCP-511 (2007-2009) *Earth's Continental Margins: Assessing the Geohazard from Submarine Landslides*

#### American Geophysical Union (2004 - present)

- Session Chair *Submarine Landslides and Their Consequences: A Multidisciplinary and Integrative Approach* (AGU 2010 Fall Meeting San Francisco, California)

#### GCSSEPM

- Hydrogen Session Chair (GCSSEPM 40<sup>th</sup> Annual Perkins-Rosen Research Conference, 2-4 December 2024, Houston, TX)

#### Gulf Coast Association of Geological Societies

- Panel Chair *Creating a stronger workforce through diversity, equity, and inclusion (DE&I)* (GeoGulf2021 Austin, Texas)
- Session Chair *Gulf of Mexico – East to West* (2012 GCAGS/GCSSEPM 62<sup>nd</sup> Annual Convention and Exhibition Austin, Texas)

#### International Association of Sedimentologists (IAS)

- Session Chair *Effects of Mass Movements on the Sedimentological Environment* (2018 20<sup>th</sup> International Sedimentological Congress Quebec, Canada)
- Session Chair *Mass Wasting Events and Related Sediments* (2010 18<sup>th</sup> International Sedimentological Congress Mendoza, Argentina)

## Internal Service and Committee Responsibilities

- **Member** (2023), Search Committee Joint Appointment BEG/EPS Associate/Full Professor in Critical Materials and Mineral Resources
- **Chair** (2023), STARR Search Committee Geospatial and Geoprocessing Analyst (hire Edna Rodríguez)
- **Chair** (2022), STARR Search Committee Low Carbon and Petroleum Engineer (hire Dr. Leopoldo Ruiz Maraggi)
- **Chair** (2022), STARR Search Committee Research Scientist Associate GIS Support and Economic Geologist (hire Mert Ugurhan)
- **Chair** (2023), STARR Search Committee Research Scientist Numerical Modeler (hire Dr. Xuesong Ding)
- **Chair** (2022), STARR Search Committee Postdoctoral Fellow Geophysical Applications and

Structural Geology (hire Dr. Nur Schuba / transitioned to Research Associate in 2023 after 1 year postdoc)

- **Chair** (2022), STARR Search Committee Postdoctoral Fellow Sedimentology, Stratigraphy and Low Carbon Applications (hire Dr. Ander Martínez-Doñate)
- **Chair** (2022), STARR Search Committee Postdoctoral Fellow Sedimentology and Stratigraphy of the Wilcox Group (hire Dr. Nikhil Sharma / start date fall 23')
- **Chair** (2022), STARR Search Committee Postdoctoral Fellow Sedimentology and Stratigraphy Cisco Group Research (hire Dr. Fritz Palacios / start date fall 23')
- **Member** (2022), STARR Search Committee Postdoctoral Fellow Petrophysical Applications (hire Dr. Leandro Hartleben Melani)
- **Member** (2021-2026), Graduate Student Council, Jackson School of Geosciences
- **Member** (2021-2024), GAAC-Grants, Appointments, and Awards Committee, Bureau of Economic Geology
- **Member** (2022-2023), Earth and Planetary Faculty Search, Jackson School of Geosciences
- **Member** (2021-2022), Structural Faculty Search, Jackson School of Geosciences
- **Member** (2022), Postdoctoral Search, Jackson School of Geosciences
- **Member** (2021- 2022), Energy Research Scientist Search, Bureau of Economic Geology
- **Member** (2021), Administrative Assistant Search, Bureau of Economic Geology
- **Member** (2021), Steering Committee Equinor/UT Fellowships, JSG/PGE
- **Member** (2011-2013), Graduate Student Council, Jackson School of Geosciences
- **Member** (2009 - 2013), Alumni Council, Jackson School of Geosciences
- **Member** (2007-2008), Energy Search Committee, Jackson School of Geosciences

## Fundraising Current and Pending

- State of Texas Advanced Resource Recovery (STARR) program (2021 – 2025) STARR conducts geoscience and engineering research to increase the production and profitability of earth resources within the State of Texas while encouraging responsible economic development and supporting education and the environmental stewardship **~\$2.3 million/year.**
- Emerging energy and resource opportunities for University Lands (2022 – 2024) Assessment of emerging energy and resource opportunities and their fiscal and environmental impacts on University Lands acreage in West Texas **\$750,000**
- BEG GeoH2 Industrial Associate Program (2021-2022) **\$141,250**
- Northern Gulf of Mexico Basin Stratigraphic Reconciliation Initiative (2023 – 2024) Development of a consistent regional stratigraphic nomenclatural framework for the Northern Gulf of Mexico Basin in collaboration with the state geological surveys of Alabama, Arkansas, Louisiana, and Tennessee **\$75,000**
- UNESCO/IGCP-640 Subaqueous Mass Movements and Their Consequences (2015-2020) **\$60,000**
- Shell Sponsored Project Shelf-edge deltas along structurally complex margins (2011-2012) **\$191,681**
- BEG/Chevron Gift for Workstation Classroom at Pickle Research Center (2010) **\$155,000**

- UNESCO/IGCP-511 Submarine Mass Movements and Their Consequences (2009) **\$87,664**
- BEG Quantitative Clastic Laboratory Industrial Associate Program (2007-2013) **\$730,000**

## Awards, Fellowships and Scholarships

- Medal of Merit for Best Paper Related to Canadian Petroleum Geology (2020) by Canada Society of Petroleum Geologists
- Grit Award Individual Category by ALLY (2020), The Community for the energy workforce of the future
- Publication Award (2010), Bureau of Economic Geology (exemplary publication of scientific impact)
- Ed Picou Full Fellowship Grant (2007), Gulf Coast Section of SEPM
- AAPG Grant-in-Aid (2007), American Association of Petroleum Geologists Foundation
- Graduate Student Research Grant (2005), Geological Society of America
- Thomas R. Banks Memorial Scholarship (2004), San Antonio Area Foundation
- Outstanding Student Paper Award (2004), Hydrology Section AGU
- L. Austin Weeks Grant (2004), American Association of Petroleum Geologists Foundation
- Exxon-Mobil Student Grant Participation Award (2001), AAPG/SEPM Annual Convention
- Graduated with distinction (2000) – Universidad Central de Venezuela
- Best Undergraduate Thesis Award (2000), Universidad Central de Venezuela

## Peer-Review Publications

(\* Denotes student author, \*\* Denotes postdoctoral researcher)

### Emerging Energies

- Mirzaei-Paiaman, A., Lake, L.W. and **L.G. Moscardelli**, 2026, Integrated CO<sub>2</sub>-EOR and post-EOR dedicated CO<sub>2</sub> storage: Demonstrating the value of coupled system and optimal incentive structures: International Journal of Greenhouse Gas Control, 149, 104543
- Ruiz-Maraggi, L., Martínez-Doñate, A., Melani, L., and **L.G. Moscardelli**, 2025, Hydrogen storage potential of Salado Formation in the Permian Basin of West Texas, United States: International Journal of Hydrogen Energy, 144, 496-512
- Schuba, C.N., **Moscardelli, L.**, and J.P. Schuba, 2025, Impact of salt dome morphology on geological storage volumetric estimations: Implications for prospect-scale assessment: Energy Geoscience, 100443
- \*Blancone, D., Ruiz-Maraggi, L.M., Cardozo-Díaz, N.F., **Moscardelli, L.**, and A. Escalona, 2025, Assessing hydrogen storage potential in Zechstein salt caverns of the Norwegian North Sea: Journal of Energy Storage, 128, 117032
- \*\*Martínez-Doñate, A., **Moscardelli, L.**, Ko, T., \*\*Melani, L., Schuba, C.N., Periwal, P., and S. Bhattacharya, 2025, The refluxing of deep hypersaline brines and evaporite precipitation dynamics in the Castile Formation and marginal carbonate strata (Delaware Basin, USA): The Depositional Record, 00, 1-28
- Schuba, C.N., **Moscardelli, L.**, Dooley, T., Peel, F., \*\*Martínez-Doñate, A., Lawton, T., Apps, G.,

- and J. Schuba, 2025, Geophysical characterization of dissolution features and deformation in bedded salt formations in the northeast Delaware Basin: Interpretation, v.13, 2, SA1-T425.
- Mirzaei-Paiaman, A., Lake, L.W., and **L. Moscardelli**, 2025, A novel efficiency-based, tiered carbon storage incentive approach for CCUS through CO<sub>2</sub> enhanced oil recovery and storage: International Journal of Greenhouse Gas Control, 143, 104362
- Ruiz-Maraggi, L. and **L. Moscardelli**, 2024, Hydrogen storage potential of salt domes in the Gulf Coast of the United States: Journal of Energy Storage, v.82, 110585
- Lin, N., Wang, H., **Moscardelli L.**, and M. Shuster, 2024, The dual role of low-carbon ammonia in climate-smart farming and energy transition: Journal of Cleaner Production, 469, 143188
- Lin, N., Xu, L., and **L. Moscardelli**, 2024, Market-based asset valuation of hydrogen geological storage: International Journal of Hydrogen Energy, v. 49, p. 114-129
- Ruiz-Maraggi, L. and **L. Moscardelli**, 2023, Modeling hydrogen storage capacities, injection and withdrawal cycles in salt caverns: Introducing the GeoH<sub>2</sub> salt storage and cycling app: International Journal of Hydrogen Energy, v. 48, no. 69, p. 26921-26936
- Schuba, C.N., and **L. Moscardelli**, 2023, Subsurface storage in the Mississippi salt basin domes: Considerations for the emerging hydrogen economy: AAPG Bulletin, v.107, no. 11, p. 1957-1970
- Duffy, O. B., Hudec, M. R., Peel, F., Apps, G., Bump, A., **Moscardelli, L.**, Dooley, T. P., Fernandez, N., Bhattacharya, S., Wisian, K., and Shuster, M. W., 2023, The role of salt tectonics in the energy transition: an overview and future challenges: Tektonika, v. 1, no. 1, p. 18–48

### **Subaqueous Landslides and Current Controlled Processes**

- \*Prieto, M.I., **Moscardelli, L.** and L. Wood, 2021, Deep-water sedimentary bedforms in a mobile substrate terrain: Examples from the central Gulf of Mexico Basin: Interpretation, v. 9. No. 2, pp. SB33-SB48
- \*Cardona, S, Wood, L., **Moscardelli, L.** and D. Dunlap, 2020, Cannibalization and sealing of deepwater reservoirs by mass-transport complexes – The Jubilee Field, Gulf of Mexico: Interpretation, v. 8, no. 4, pp. SV17-SV30
- Moscardelli, L.** and Wood, L., 2016, Morphometry of mass-transport deposits as a predictive tool: GSA Bulletin, v. 128, no. 1/2, pp. 47-80
- Dunlap, D., Wood, L. and **L. Moscardelli**, 2013, Seismic geomorphology of early North Atlantic sediment waves, offshore northwest Africa: Interpretation, v.1, issue 1, SA75-SA91.
- Moscardelli, L.**, and Wood, L. J., 2008, New classification system for mass transport complexes in offshore Trinidad: Basin Research, v. 20, no. 1, p. 73–98.
- Moscardelli, L.**, Wood, L. J., and P. Mann, 2006, Mass-transport complexes and associated processes in the offshore area of Trinidad and Venezuela: AAPG Bulletin, v. 90, no. 7, p. 1059–1088.

### **Continental Margin Evolution and Tectonostratigraphy**

- Zhang, J., **Moscardelli, L.**, Dooley, T. and N. Schuba, 2023, Halokinetic induced topographic controls on sediment routing in salt-bearing basins: A combined physical and numerical modeling approach: GSA Today, v. 33, no. 6, pp. 4-9

- Moscardelli, L.**, Ochoa, J., Lunt, I. and L. Zahm, 2019, Mixed siliciclastic-carbonate systems and their impact for the development of deepwater turbidites in continental margins: A case study from the Late Jurassic to Early Cretaceous Shelburne Sub-basin in offshore Nova Scotia: AAPG Bulletin, v.103, no. 10, p. 2487-2520
- \*Salazar, M., **Moscardelli, L.** and L. Wood, 2018, 2D stratigraphic modelling, reconstructing high-relief clinofolds in the northern Taranaki Basin: AAPG Bulletin, v. 102, no. 12, p. 2409-2446
- \*Salazar, M., **Moscardelli, L.**, Wood, L. and D. Dunlap, 2016, Utilising clinofold architecture to understand the drivers of basin margin evolution: A case study in the Taranaki Basin, New Zealand: Basin Research, v. 28, pp. 840-865
- Moscardelli, L.**, \*Ramnarine, S. K., Wood, L. and D. Dunlap, 2013, Seismic geomorphological analysis and hydrocarbon potential of the Lower Cretaceous Cromer Knoll Group, Heidrun field, Norway: AAPG Bulletin, v. 97, no. 8, pp. 1227-1248.
- Moscardelli, L.**, Wood, L., and D. Dunlap, 2012, Shelf-edge deltas along structurally complex margins: A case study from eastern offshore Trinidad, AAPG Bulletin, v. 96, no. 8, p. 1483-1522
- \*Salazar, M., **Moscardelli, L.**, Fisher, W. L., and Lorente, M. A., 2011, Tectonostratigraphic evolution of the Morichito piggyback basin, Eastern Venezuelan Basin: Marine and Petroleum Geology, v. 28, p. 109–125.
- \*Garciacaro, E., Escalona, A., Mann, P., Wood, L., **Moscardelli, L.**, and S. Sullivan, 2011, Structural controls on Quaternary deepwater sedimentation, mud diapirism, and hydrocarbon distribution within the actively evolving Columbus foreland basin, eastern offshore Trinidad: Marine and Petroleum Geology, v.28, p. 149-176.

### **Biostratigraphy and Geochemistry**

- Sharma, N., Smith, V., **Moscardelli, L.G.**, Adatte, T., Vimpere, L., Olariu, I., Ambrose, W.A., Bord, D., Giraldo-Gómez, V., Lorente, M.A., Bomou, B., and L. Kocsis, 2026, Constraining the paleoclimate and paleoecology of the Selandian-Thonetian transition in the Lower Wilcox Group, Texas Gulf Coast, USA: GSA Bulletin, <https://doi.org/10.1130/B38676.1>.
- Olariu, I., Sharma, N., Smith, V., Lorente, M.A., and **L. Moscardelli**, 2026, Short-term climatic perturbations in the Paleocene Lower Wilcox: Marine and Petroleum Geology, 183, 107647
- Smith, V., **Moscardelli, L.**, Lorente, M.A., Bord, D., and I. Olariu, 2025, Quantitative palynology of the Paleocene lower Wilcox Group of Texas: Taxonomy, biostratigraphy, and paleoecology: Bureau of Economic Geology Report of Investigation, 291, 1-153
- Smith, V., Hessler, A., **Moscardelli, L.**, Bord, D., Olariu, I., Lorente, M.A., Sivil, E., and X. Liu, 2024, A late refugium for *Classopollis* in the Paleocene Lower Wilcox Group along the Texas Gulf Coast: Geology, v. 52, no. 4, p. 251-255
- \*Gomez, K., Sahoo, S., Panteli, E., **Moscardelli, L.**, Anthonissen, E., Larson, T.E., Howie, A. and W.D. Rush, 2023, Partial paleobathymetric restriction from the local North Sea Dome in the Viking Corridor during the Early-Middle Jurassic: Global and Planetary Change, v. 230, 104255
- Parra, M., **Moscardelli, L.**, and Lorente, M. A., 2003, Late Cretaceous anoxia and lateral microfacies changes in the Tres Esquinas Member, La Luna Formation, Western Venezuela: Palaios, v. 18, no. 4, p. 321–333.

## Mars

- Moscardelli, L.**, 2014, Boulders of the Vastitas Borealis Formation: Potential origin and implications for an ancient martian ocean: *GSA Today*, v.24, no. 2, pp. 4-10
- Moscardelli, L.**, Dooley, T., Dunlap, D., Jackson, M. and L. Wood, 2012, Deep-water polygonal fault systems as terrestrial analogs for large-scale Martian polygonal terrains, *GSA Today*, v. 22, no. 8, p. 4-6
- Moscardelli, L.** and L. Wood, 2011, Deep-water erosional remnants in eastern offshore Trinidad as terrestrial analogs for teardrop-shaped islands on Mars: Implications for outflow channel formation: *Geology*, v.39, no.7, p. 699-702

## Papers submitted, in review and accepted

- \*\*Melani, L., Bhattacharya, S., \*\*Martínez-Doñate, A., **Moscardelli, L.**, and C.N. Schuba (in review) Electrofacies classification using supervised machine learning for Permian bedded salt formations of the Delaware Basin, USA: Implications for hydrogen storage potential: *Geoenergy*

## Books (editor)

- Lintern, D.G., Mosher, D.C., **Moscardelli, L.**, Bobrowsky, L.P.T., Campbell, C., Chaytor, J.D., Clague, J.J., Georgiopoulou, A., Lajeunesse, P., Normandeau, A., Piper, D.J.W., Scherwath, M., Stacey, C. and Turmel, D., 2018, Subaqueous mass movements and their consequences: Assessing geohazards, environmental implications and economic significance: 8th International Symposium: *GSL Special Publication*, SP477
- Lamarche, G., Mountjoy, G., Bull, S., Hubble, T., Krastel, S., Lane, E., Micallef, A., **Moscardelli, L.**, Mueller, C., Pecher, I., Woelz, S., 2016, Submarine mass movements and their consequences: 7<sup>th</sup> International Symposium: Springer, v. 41, DOI 10.1007/978-3-319-20979-1
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## Book Chapters and Sections (\* denotes student author)

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## Non-Peer-Reviewed Publications (technical and commentary)

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- Moscardelli, L.**, Ko, L., Rodríguez-Calzado, E., Schuba, C.N., \*\*Martínez-Doñate, A., \*\*Melani, L., Ruíz-Maraggi, L., Lin, N., and M. Shuster, 2024, Energy expansion: Storing hydrogen in man-made salt caverns in Texas: Houston Geological Society Bulletin, v. 67, no. 2, pp. 23-28
- Moscardelli, L.**, Nwoko, S., and D. Dunlap, 2019, Passing the baton: Challenges awaiting mid-career geoscientists in the big crew change: Explorer, September 2019, p. 6
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## Conference Abstracts (\* Denotes student author, \*\* Denotes postdoctoral researcher)

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- Ruiz Maraggi, L., Martinez Doñate, A., Melani, L., and **Moscardelli, L.**, Hydrogen Storage Potential of Salado Formation in the Permian Basin of West Texas: presented to AAPG, SEG, presented at International Meeting for Applied Geosciences and Energy (IMAGE), Houston, Texas, August 25-28, 2025.
- Ding, X., Dooley, T., **Moscardelli, L.**, Hudec, M., Brune, S., and K. Li, 2025, Evolution of salt-detached systems at various stages of rifting insights from fully coupled geodynamic and surface process modeling (abs.): GeoGulf meeting, April 7-8
- Schuba, N., **Moscardelli, L.**, Dooley, T., Martinez-Donate, A., and L. Melani, 2025, Geophysical and petrophysical insights into bedded salt formations: Implications for underground energy storage in the Delaware Basin (abs.): European Geosciences Union General Assembly, April 7<sup>th</sup> to May 2<sup>nd</sup>, EGU25-14303
- Ding, X., Wang, Z., Brune, S., Dooley, T., **Moscardelli, L.**, Neuharth, D., Glerum, A., Rouby, D., Fernandez, N., and M. Hudec (2025). Geodynamic modelling of salt tectonics and translation speed at rifted continental margin. Talk delivered at the European Geosciences Union (EGU), Vienna, April 27-May 2, 2025.
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- Haddad, M., Minougou, J.D., Ozel, M.K., Martinez-Donate, A., Schuba, N., Ko, L.T., Ruiz-Maraggi, L., and **L. Moscardelli**, 2025, Preliminary geomechanical and lithological evaluation of rock salts for H<sub>2</sub> storage: Comparisons between Delaware Basin and Zechstein samples (abs.): The Mechanical Behavior of Salt XI
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- Schuba, C.N., Ruiz-Maraggi, L., and **L. Moscardelli**, 2024, Subsurface hydrogen storage exploration methods: From play-scale screening to prospect-scale refinement in salt basins (abs.): 85<sup>th</sup> EAGE Annual Conference & Exhibition, Oslo, Norway
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- \*Blancone, D.**, Ruíz-Maraggi, L., Cardozo Díaz, N.F., **Moscardelli, L.**, and A. Escalona, 2024, Hydrogen storage potential of Zechstein salt caverns in the Norwegian North Sea (abs.): 85<sup>th</sup> EAGE Annual Conference & Exhibition, Oslo, Norway
- \*\*Melani, L.**, **\*\*Martínez-Doñate, A.**, Bhattacharya, S., Moscardelli, L., and C.N. Schuba, 2024, Electrofacies characterization and core-log calibrations in heterogeneous bedded salt formations of the Delaware Basin: significance for hydrogen storage (abs.): SEPM International Sedimentary Geosciences Congress, Flagstaff, Arizona.

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- Ko, L., **Moscardelli, L.**, Lin, N., Radjef, E., Shuster, M. and M. Ugurhan, 2023, Envisioning the development of the hydrogen economy and CCUS in the Permian Basin, West Texas, USA (abs.): The Fourth EAGE Global Energy Transition Conference and Exhibition (GET EAGE), Paris, France
- Schuba, N., **Moscardelli, L.**, \*\*Martínez-Doñate, A. and J. Schuba, 2023, Prospectivity workflow for hydrogen storage in bedded salt formations: A case study from the Permian Basin (abs.): The Fourth EAGE Global Energy Transition Conference and Exhibition (GET EAGE), Paris, France
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- Smith, V., Olariu, I., Bord, D., **Moscardelli, L.**, Sivil, E., Hessler, A. and X. Liu, 2023, Palynostratigraphy of the Lower Wilcox Group, onshore Texas (abs.): The International Meeting for Applied Geoscience & Energy (IMAGE), Houston, Texas
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- Moscardelli, L.**, Wood, L. J., and Mann, Paul, 2004, Debris flow distribution and controls on slope to basin deposition, offshore Trinidad (abs.): American Association of Petroleum Geologists Annual Convention, Dallas, Texas
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## Workshops

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Olariu, I., Flaig, P., Ambrose, W., \*\*Sharma, N., Smith, V., Lorente, M.A., Jensen, J., **Moscardelli, L.**, Denison, C., and T. Demchuk, 2024, Sedimentology, palynology, and geochemistry of the Wilcox Group: Insights into depositional system evolution, biostratigraphy, paleoclimate, and reservoir characterization: State of Texas Advanced Resource Recovery (STARR) program core workshop, 9<sup>th</sup> October 2024

Ambrose, B., Loucks, B., Ogiesoba, O., Radjef, E., Reed, R., Sun, X., Zeng, H., Zhang, T. and **L. Moscardelli**, 2023, Cretaceous volcanic reservoirs of Texas: State of Texas Advanced Resource Recovery (STARR) core workshop, 12<sup>th</sup> May 2023, Austin, Texas

Olariu, I., Flaig, P., Garcia, K., Olariu, C., Hessler, A., Sivil, E., Smith, V., Lorente, M.A. and **L. Moscardelli**, 2023, Wilcox Group recent sedimentologic, biostratigraphic, and chemostratigraphic insights: Implications for stratigraphic correlations, depositional trends, paleoclimate, and the exploitation of energy resources in Texas: State of Texas Advanced Resource Recovery (STARR) core workshop, 22<sup>nd</sup> March, 2023, Austin, Texas

Fu, Q., Gale, J., Ko, L.T., Loucks, R.G., Reed, R., **Moscardelli, L.**, Dommissie, R., Miliken, K. and H. Rowe, 2021, Barnett Workshop: State of Texas Advanced Resource Recovery (STARR) core workshop, 9<sup>th</sup> November 2021, Austin, Texas

Flaig, P., Hattori, K., Ambrose, W., Fu, Q., Dejarnett, B., Ko, L., Radjef, D., Carr, D., Hasiotis, S., Ogiesoba, C. and **L. Moscardelli**, 2021, Mixed carbonate-siliciclastic reservoir systems of the Strawn Group: Focus – Upper Strawn, King and Stonewall counties, Texas: State of Texas Advanced Resource Recovery (STARR) core workshop, 26<sup>th</sup> October 2021, Austin, Texas

## Project Reports

Ding, X., Dooley, T. P., **Moscardelli, L.**, Hudec, M.R., Celini, N., Brune, S. And K. Li, 2025, Evolution of Intra-Salt Shear Zones in Rifted Continental Margins: presented at the AGL Annual Meeting for Industrial Associates, November 2025, in Dooley et al 2025, Applied Geodynamics Laboratory Annual Report to Industrial Associates, Slide Set 44. The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for AGL sponsors.

**Moscardelli, L.**, Ko, L., Flaig, P., Hattori, K., Schuba, N., Ruiz-Maraggi, L., Thompson, J.O., Ambrose, W., McMahan, T., Olariu, M.I., Radjef, E., Peng, S., Rodgers III, H., Loucks, R.G., Fu, Q., Ding, X., Jensen, J., Sun, X., Zeng, H., Ogiesoba, O.C., Reed, R., Young, M., Scanlon, B., and A. Mirzaei Paiaman, 2025, 2022-2024 Biennium Report: The University of Texas at Austin, Bureau of Economic Geology, March

**Moscardelli, L.**, Ambrose, W.A., Young, M., Scanlon, B., Flaig, P.P., Olariu, M.I., Hattori, K., Ko, L.,

- Loucks, R.G., Radjef, E., Ruiz Maraggi, L., Schuba, N., Sivil, J.E., Peng, S., Zhang, T., Sun, X., Zeng, H., Ogiesoba, O.C., Fu, Q., Reed, R., Rogers III, H., Duncan, I.J., Dommissse, R., Jensen, J., Hessler, A., DeJarnett, B., and Periwal, P., 2023, State of Texas Advanced Resource Recovery (STARR) biannual report: The University of Texas at Austin, Bureau of Economic Geology, bi-annual report prepared for the State of Texas.
- Peel, F., Dooley, T. P., Hudec, M. R., Soto, J., Nikolinakou, M. A., Apps, G., Duffy, O. B., Heidari, M., Tollestrup, A. K., Giles, K., Hardt, J., **Moscardelli, L.**, Schuba, C. N., and Zhang, J., 2022, Applied Geodynamics Laboratory (AGL) annual report to industrial associates (slide set 40, video): The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for BP, Eni, ExxonMobil, Petrobras, and 16 other AGL sponsors.
- Wood, L., **Moscardelli, L.**, Flaig, P., Burton, D., Dunlap, D. and A. Averett, 2013, Quantitative Clastics Laboratory annual report to Industrial Associates for 2013: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for bhpbilliton, Anadarko, Statoil, ExxonMobil, Cairn, MarathonOil, Aramco, Ecopetrol, Woodside, Instituto Mexicano del Petroleo, ConocoPhillips, and NobleEnergy, CD-ROM
- Wood, L., **Moscardelli, L.**, Dunlap, D., Flaig, P., Beard, P. and A. Averett, 2010, Quantitative Clastics Laboratory annual report to Industrial Associates for 2010: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for bhpbilliton, Anadarko, Statoil, ExxonMobil, Cairn, MarathonOil, Aramco, Woodside, and YPF, CD-ROM
- Hammes, U., Ambrose, W., Loucks, R., Hentz, T.F., Ogiesoba, O., Zeng, H., Hamlin, H.S., Nance, H.S., Brown, F., Gale, J., Wang, F., Bonnaffé, F., Qilong, F., Zhang, T., Zahm, L., Wright, W.R., Reed, R.M., Eastwood, R. and **L. Moscardelli**, 2010, State of Texas Advanced Resource Recovery (STARR) annual report: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for the State of Texas.
- Hudec, M. R., Jackson, M. P. A., Dooley, Tim, Wagner, Bryce, McDonnell, Angela, Pequeno, Monica, Norton, Ian, and **Moscardelli, L.**, 2008, Applied Geodynamics Laboratory annual report to Industrial Associates for 2008: slide set 27: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for Anadarko, BHP Billiton, BP, CGGVeritas, Chevron, Cobalt, ConocoPhillips, Devon, ENI, ExxonMobil, Fugro, GX Technology, Hess, IMP, Maersk, Marathon, Mariner, Murphy, Nexen, Noble, Pemex, Petrobras, PGS, Repsol-YPF, Samson, Saudi Aramco, Shell, StatoilHydro, TGS-NOPEC, Total, WesternGeco, and Woodside, CD-ROM.
- Hammes, U., Loucks, R., Ambrose, W., Treviño, R.H., Brown, F.F., Zeng, H., Hentz, T., Gale, J., Wang, F., Bonnaffé, F., Wright, W.R., Eastwood, R., **Moscardelli, L.**, Johnson, B., and S. Ruppel, 2008, State of Texas Advanced Resource Recovery (STARR) annual report: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for the State of Texas.

## Invited Lectures and Panels

- Venezuelan Impact Symposium. Theme: “Venezuelan Impact on Energy Growth”. Panel Discussion. Houston Strategy Forum, Houston, Texas, January 28, 2026.
- Policy, technology, and research alignment for large-load development in Texas: Natgas to power Forum, San Antonio, Texas, 17-19 November, 2025

- Data Center in West Texas: University Lands Energy Forum, Odessa, Texas, 7 October 2025
- Critical Minerals. Panel discussion: Critical Minerals R&D in the light of recent Executive Orders. Thompson Conference Center, University of Texas at Austin. Austin Texas, August 13 & 14, 2025.
- Emerging energies, expansions, and the new role of the subsurface: GeoGulf25, Nacogdoches, Texas, 8 April 2025
- An Introduction to State of Texas Advanced Resource Recovery (STARR) Program: SIPES Fort Worth Fall 2023 Symposium, Fort Worth, Texas, 11 October 2023
- Subsurface H<sub>2</sub> storage in Texas - Opportunities and Challenges: NCS203 Energy Norway, Stavanger, Norway, 14 March 2023
- The State of Texas Advanced Resource Recovery (STARR) program - Updates and Current Projects: American Institute of Professional Geologists (AIPG), online, 21 February 2023
- Subsurface H<sub>2</sub> storage in Texas - Opportunities and Challenges: AAPG OU Student Chapter, Mewbourne College of Earth and Energy, Norman, Oklahoma, 18-21 April 2023
- Panelist Opening Session AAPG IMAGE 2022 The Many Faces of Energy Poverty, Houston, Texas
- H<sub>2</sub> storage in salt formations: A Texas perspective: Oklahoma and the Energy Transition: Oklahoma Geological Society Workshop, Norman, Oklahoma, 17 November 2022
- Salt Formations and Their Role as H<sub>2</sub> Storage Real Estate: Elsevier Webinar, 25 October 2022
- Salt Formations and Their Role as H<sub>2</sub> Storage Real Estate: AAPG Salt Basins Technical Interest Group, online, 2022
- 2020 “A Year of Grief and Resilience” a seminar for GeoWomen of Calgary, 18 May 2021
- Interview with Lorena Moscardelli, Equinor: AAPG Science and Technology Showcase, June 2020
- Deep-water mixed siliciclastic-carbonate systems a lecture for the 2020 AAPG Science and Technology Showcase series
- From mass transport deposits to Mars: 10 years later - the journey: invited speaker, Dallas Geological Society, Dallas, Texas, 2014
- The economics of diversity—competing for and leveraging employee diversity in a global petroleum industry: invited panelist, American Association of Petroleum Geologists Annual Convention, New Orleans, Louisiana, April 14, 2010.
- Cultural differences: people who have been successful at leveraging cultural differences: invited panelist, 2009 Women’s Global Leadership Conference in Energy and Technology, Houston, Texas, November 3–4, 2009.
- Mass transport complexes in offshore Trinidad and worldwide analogs: presented at Houston Geological Society International Dinner, Houston, Texas, March 2006.

## Graduate Student Committee Participation

PhD Students (primary supervisor):

- Kelly Hattori, The University of Texas at Austin, expected 2029

Barremian-Albian GoM reconstruction implications through the characterization of the Quitmans Range in the Permian Basin of West Texas

- Fritz Palacios Albuja, The University of Texas at Austin, 2023  
3D Stratigraphic framework. Sediment routing systems and tectonic influence: Mixed siliciclastic-carbonate Cisco Group, Eastern Shelf of the Permian Basin
- Kiara Gomez, The University of Texas at Austin, 2022  
Early to Middle Jurassic redox conditions: Implications from redox-sensitive trace metals, mercury (Hg) and carbon isotope ( $^{13}\text{C}$ )
- Maria I. Prieto, The University of Texas at Austin, 2016  
Sediment gravity-driven versus bottom-current-controlled processes and interactions in the central GoM and comparison with global systems
- Migdalys Salazar, The University of Texas at Austin, 2014  
The impact of shelf margin geometry and tectonics on shelf-to-sink sediment dynamics and resultant basin fill architectures

MSc Students (primary supervisor):

- Anna Cervantes, The University of Texas at Austin, expected 2026  
Subsurface hydrogen storage in European salt formations
- Sarika Ramnarine, The University of Texas at Austin, 2011  
Late Cretaceous turbidites, Heidrun Field, Norwegian Continental Shelf
- Migdalys Salazar, The University of Texas at Austin, 2008  
Seismic and stratigraphic interpretation of the Morichito Sub Basin, eastern Venezuelan basin

PhD Students (Committee Member)

- Rachele Kernen, The University of Texas at El Paso, 2019  
The origin of sedimentary inclusions in an allochthonous salt canopy; Patawarta diapir, South Australia
- Lucia Torrado, University of Houston, 2018  
Tectonostratigraphic controls on petroleum system elements in passive margin settings: Studies of the eastern Nicaraguan Rise and the deep-water, Foz do Amazonas basin, Brazil.
- Parvaneh Karimi, The University of Texas at Austin, 2015  
Seismic interpretation using predictive painting.

MSc Students (co-supervisor (CS)/ committee member (CM)):

- Jacob Krueel, The University of Texas at Austin, expected 2026  
NASA FireSense project
- Raquel Ellis, The University of Texas at Austin, expected 2025  
Establishing a sustainable framework for produced water reuse in renewable energy generation

- Mario Gutierrez, The University of Texas at Austin, 2018  
Systematic lithologic characterization of Pleistocene Mass-Transport Deposits, Mississippi Canyon of the Northern GoM (CM)
- Katherine Shover, The University of Texas at Austin, 2016  
Mass balance of Martian sedimentary fans valleys (CM)
- Sebastian Cardona, The University of Texas at Austin, 2015  
Fabric development and pore-throat reduction in a mass transport deposit in the Jubilee gas field, eastern Gulf of Mexico: consequences for the sealing capacity of MTDs (CM)
- Anmar Davila, The University of Texas at Austin, 2010  
Sand distribution along shelf-edge deltaic systems: a case study from eastern offshore Trinidad (CS)
- Kadir Singh, The University of Texas at Austin, 2010  
Geometry and nature of modern and ancient mass transport deposits worldwide (CM)

#### PhD Students (Qualifying Exams / Wild Card)

- Kayla White, The University of Texas at Austin, 2023  
The role of the spatial pattern of anthropogenic aerosols and their influence on climate change over the historical period in the presence of greenhouse gases
- Ever "Hoss" Hostettler, The University of Texas at Austin, 2022  
Rodingites as recorders of tectonic processes: From seafloor to convergence
- Cassandra Browne, The University of Texas at Austin, 2012  
Constraints on fault and fracture mechanics in the upper oceanic crust

#### Internet/Websites/Podcasts

Texas In-depth. VIDEO: "Texas In Depth" – (7/22/2025) Lorena Moscardelli and UT's Bureau of Economic Geology - UT Austin News - The University of Texas at Austin  
<https://news.utexas.edu/2025/07/22/video-texas-in-depth-lorena-moscardelli-and-uts-bureau-of-economic-geology/>

Featured Interview - Texas Connect, (10/15/2025) print date TBC

Henrikson, E. (2023, March 15). *Salt could be key ingredient for clean energy transition, UT Austin researchers say*. Kxan. <https://www.kxan.com/news/science/salt-could-be-key-ingredient-for-clean-energy-transition-ut-austin-researchers-say/>

Tincher, R. (2023, March 7). *UT researchers' study highlights salt's future in production of hydrogen, geothermal energy*. The Daily Texan. <https://thedailytexan.com/2023/03/07/ut-researchers-study-highlights-salts-future-in-production-of-hydrogen-geothermal-energy/>

Max, J. (2023, March 9). *New study finds salt deposits could serve as a hydrogen storage tank*. *Hydrogen Fuel News*. <https://www.hydrogenfuelnews.com/hydrogen-storage-research-salt/8557599/>

Jacobs, T. (2023, March 30). *Digging Into the US Gulf Coast's 'Salt Real Estate' for Hydrogen Storage*. *Journal of Petroleum Technology*. <https://jpt.spe.org/digging-into-the-us-gulf->

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- Yonick, K. (2023, February 21). *UT researching the role salt has in lower carbon, geothermal energy*. Kvue. <https://www.kvue.com/article/news/education/university-of-texas/university-of-texas-salt-study-energy/269-deae3483-cb0e-4e82-bdab-812ba8a38714>
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- [Mini Geology]. (2020, May 10). *Half of the best Geoscientists* [Video]. Mini Geology. <https://www.youtube.com/watch?v=lZdelLzgnWk>
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