Dallas B. Dunlap

Professional Summary

October 9, 2026

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Professional Preparation

Academic Background

Doctor of Philosophy, Geological Sciences, Earth and Planetary Systems, University of Texas at Austin, August 2025

Ph.D. Geological Sciences (in progress), The University of Texas at Austin, September 2020

M.S. Geology, The University of Texas at Austin, September 2013

B.S. Geology, The University of Texas at Austin, 1997

Professional Appointments

Research Scientist Associate IV, Quantitative Clastics Laboratory, Bureau of Economic Geology, The University of Texas at Austin (2006 - Present). Research within the Quantitative Clastic Laboratory pertains to the use of seismic geomorphic data and processes to understand depositional processes from shallow tidal systems to the deepest of abyssal plains and how sediment is deposited downslope. My study area in 2009-2010 consists of modeling facies distributions in tidally influenced systems in the western interior of the U.S.

Acting Database Coordinator - Research Scientist Associate II, Bureau of Economic Geology, The University of Texas at Austin (1998 - 2005). Successfully balancing geophysical duties on several concurrently running projects that include seismic interpretation, time-to-depth conversions, and mapping, while assisting with geotechnical software support and geologic data administration. Other duties include software and hardware maintenance, testing and evaluation of proposed software, training of new employees on multiple geologic applications.

Research Assistant, Bureau of Economic Geology, The University of Texas at Austin (September 1996 - September 1997). Multiple exploratory tasks in a complex geologic setting in one of the world's most prolific oil basins; log analysis, interpretation of 2-D and 3-D seismic, production of presentation material for formal reports, and quality control of logs and 2-D/3-D's, among other exercises (for Lagoven S.A.).

Participant, University of Texas Field School (Summer 1996 - Summer 1996). Intensive study focusing on carbonate logging, field mapping, and other areas of geology, taught by UT faculty on location in Colorado, Montana, Wyoming, and New Mexico.

Professional Registrations and Certificates

State of Texas Board of Professional Geoscientists #6454

Continuing Education Courses Taken

R5000 DecisionSpace Desktop: Landmark Graphics, Houston, Texas, Spring 2010

R5000 Data Management: Landmark Graphics, Austin, Texas, Fall 2009

Introduction to Petroleum Geology in Deepwater Settings: taught by Paul Weimer, AAPG Conference, Denver, Colorado, Spring 2009

AAPG Course, Seismic Stratigraphy and Seismic Geomorphology into the 21st Century, taught by Henry Posamentier: SEG Conference, San Antonio, Texas, Fall 2007

ACCESS Training: July 1999

Geoquest--Completed classes in Geoframe fundamentals:

Landmark University Program--Completed classes in Syntool, SeisWorks, OpenWorks Essentials, Unix Troubleshooting, Zmap for interpreters, StratWorks, Seismic Data Management, Stratamodel:

Roxar, Inc.--RMS--Introduction to 3-D Modeling:

Areas of Expertise

Areas of Expertise

Geologic and geophysical mapping

Geologic applications and workflows

Seismic geomorphology

Seismic stratigraphy and subsurface imaging

Awards

Awards and Honorary Societies

2024 Tinker Family BEG Publication Award, Exemplary Publication of Scientific or Economic Impact, for timely and foundational work toward CO2 storage security, 2024

AAPG Jules Braunstein Memorial Award, 2019

Gordon I. Atwater Best Poster Award (2nd place; Dallas Dunlap, Tip Meckel, Ramon Trevino, and Francis Mulcahy): "High Resolution 3D Imaging of Quaternary Channelization Offshore San Luis Pass, Texas," GCAGS Annual Meeting, Lafayette, LA, 2014

Service

University Committees

Member, Climate and Culture Committee, Jackson School of Geosciences, The University of Texas at Austin, October 1, 2018-October 1, 2019

External Committees Participation

Co-Chair, Visiting Geoscientist Program SIG, American Association of Petroleum Geoscientists (AAPG), Student Career development, July 15, 2018-July 14, 2020

Sections Committee, Chair, AAPG, July 10, 2017-July 10, 2020

Visiting Geoscientist Program, Co-Chair, Gulf Coast Section, AAPG, September 1, 2016-September 10, 2017

Chair, Finance Committee, Austin Geological Society, July 15, 2015-July 16, 2017

Co-Chair, Event Planning and Development: SIG (w/ Victor Vega), American Association of Professional Geologists, Support of Section and Regions Conventions, February 2015-July 2017

Delegate, House of Delegates, American Association of Professional Geologists, July 1, 2015-June 30, 2017

Chair, Visiting Geoscientist presentation on "Surviving the Downturn", American Association of

Professional Geologists, April 1-October 1, 2015

Abstract Reviewer, Abstracts Annual Meeting, Society of Exploration Geophysicists, Denver, Colorado, April 1-15, 2015

Abstract Reviewer, AAPG Annual Meeting, Denver, Colorado, January 1-11, 2015

Chair, Continuity Committee, Gulf Coast Association of Geological SocietiesJanuary, 2013 - 2015

Chair, Finance Committee, Austin Geological SocietyJanuary, 2012 - 2014

Member, Membership and Communication Committee, American Association of Petroleum GeologistsJanuary, 2012 - 2014

Representative for the BEG, Platform and Infrastructure, Customer Advisory Board, Landmark Graphics Corporation, January, 2012 - 2014

Session Chair, Poster Presentations--General Topics, Society of Exploration GeophysicistsSeptember, 2013

Abstract Reviewer, 2013 Annual AAPG Conference, , Houston, Texas, January, 2013

Representative for the BEG, Earth Modeling, Customer Advisory Board, Landmark Graphics Corporation, January, 2011 - 2013

Abstract Reviewer, 2013 SEG Annual Meeting, , Houston, Texas, 2013

Member, Continuity Committee, Gulf Coast Association of Geological Societies, 2011 - 2013

Session Chair, E-Poster Presentations--Attributes and Techniques, Society of Exploration GeophysicistsNovember, 2012

Abstract Reviewer, 2012 SEG Annual Meeting, , Las Vegas, Texas, September, 2012

Judge, Poster Sessions, 2012 Annual AAPG Conference, , Long Beach, California, September, 2012

General Chairman, 2012 Gulf Coast Association of Geological Societies Annual Convention, 2012

Past President, Austin Geological Society, 2011 - 2012

Session Chair, Poster Presentations--Attributes and Techniques, Society of Exploration GeophysicistsOctober, 2011

Judge, Poster Sessions, 2011 Annual AAPG Conference, Houston, Texas, 2011

Chairman, Visualization Committee, GCSSEPM Perkins Conference on Seismic Imaging of Depositional and Geomorphic Systems, Houston, December 7--10, 2010

Judge, Poster Sessions, 2010 American Association of Petroleum Geologists Annual Convention, New Orleans, 2010

President, Austin Geological Society, 2010

Session Chair, Oral Presentations--Seismic Imaging and Attributes, GCSSEPM Perkins Conference on Seismic Imaging of Depositional and Geomorphic Systems, Houston, December 7--10, 2010

President-Elect, Austin Geological Society, 2009 - 2010

Judge, Oral Sessions, American Association of Petroleum Geologists Annual Convention, Denver, Coloradospring, 2009

Contender for Treasurer, Energy Mineral Division, American Association of Petroleum Geologists, 2009

Judge, Oral Sessions, 2009 Society of Exploration Geophysicists Annual Convention, Houston, 2009

Treasurer, Austin Geological Society, 2008 - 2009

Contender for Secretary, Energy Minerals Division, American Association of Petroleum Geologists, 2008

Judge, Oral Sessions, American Association of Petroleum Geologists Annual Convention, San Antonio, Texas, 2008

Member, Committee to scan the world, Bureau of Economic Geology, Austin, Texas, 2002 - 2003

Chairman, Jackson School IT Task Force Committee, John A. and Katherine G. Jackson School of Geosciences, The University of Texas at Austin, Austin, Texas, 2002

Website Chairman, Energy Mineral Division, American Association of Petroleum Geologists, 2002

Chairman, Audio Visual Committee, Gulf Coast Association of Geological Societies 52nd Annual Convention, Austin, Texas, 2001 - 2002

Published Interviews

Dunlap, D. B., 2009, UT expands visualization capabilities: Offshore Magazine, March

Dunlap, D. B., 2008, New Wave Cave: Texas Parks and Wildlife, Show 1620: Interview with Jerry Bellian and Reuben Reyes, February.

Janzen, Dan, and Dunlap, D. B., 2008, Digging deep: Computer Graphics World, September.

Outreach Activities

Science Career Day: Virtual Earth: presented to elementary school students, Austin, Texas, October 18, 2013.

Science Career Day: presented at Seagert Elementary School, Killeen, Texas, May 2, 2013.

Science Career Day: presented at Bellaire Elementary School, Killeen, Texas, March 8, 2013.

Science Career Day: presented at Seagert Elementary School, Killeen, Texas, May 6, 2012.

Science Career Day: presented at Bellaire Elementary School, Killeen, Texas, March 12 2012.

Science Career Day: Virtual Earth: presented to elementary school kids, Killeen, Texas, May 8, 2011.

Science Career Day: Virtual Earth: presented to elementary school kids, Killeen, Texas, March 5, 2011.

Science Career Day: Virtual Earth: presented to elementary school kids, Killeen, Texas, March 5, 2011.

Science Career Day: Virtual Earth: presented to elementary school kids, Austin, Texas, February 2, 2011.

Science Career Day: Virtual Earth: presented to elementary school kids, Austin, Texas, January 4, 2011.

Explore UT: Virtual Earth: presented to middle school kids, Austin, Texas, March 6, 2010.

Earth Science Week geoscience presentation: presented to middle school kids, Austin, Texas, October 2007.

Earth Science Week geoscience presentation: presented to middle school kids, Austin, Texas, October 2006.

Decision Makers' Conference presentation: presented to decision makers, Galveston, Texas, Fall 2006.

Earth Science Week geoscience presentation: presented to middle school kids, Austin, Texas, October 2004.

Earth Science Week geoscience presentation: presented to middle school kids, Austin, Texas, October 2003.

3-D computer models help us understand geology: presented at Earth Science Week Career Day Fair, The University of Texas at Austin, Pickle Research Campus, Commons Conference Complex, Austin, Texas, October 15, 2002.

Teaching and Advising

University Courses Taught

Mass transport deposits in offshore Morocco, Safi Haute Mer area: presented at the Bureau of Economic Geology Seminar series, The University of Texas at Austin, Austin, Texas, March 2008.

Continuing Education Courses Taught

Workshop on quantitative ArcGIS analysis of paleo-channel seismic morphology: presented, along with Brian Kiel and Sean Sullivan, at Annual QCL IA Meeting,, Austin, Texas, September 2009.

Landmark Training Course: presented to IMP/PEMEX (with Sean Sullivan), Austin, Texas, July 2007.

New resources from old fields: revitalizing gas exploration and production in the Gulf of Mexico Shelf Province: presented to PTTC/NETL (with Lesli Wood and Mark Holtz), Houston, Texas, September 2002.

Student Committee Supervision

Committee member, MA (EER) thesis, Stevenson Bunn, Toward an accurate reservoir model of heterolithic, tidally influenced deposits: an ongoing case study in the Sego Sandstone Member of the Mancos Shale through second-generation, outcrop-to-subsurface 3D modeling, The University of Texas at Austin, 2015

Presentations

Invited Presentations

A Proposed 4-Phase Workflow for Defining Permit-Ready Locations for Large-Volume CO2 Injection and Storage: presented to American Geophysical Union, presented at AGU 2024 Conference, Washington, DC, December 11, 2024.

Panel presentation: Role of Machine Learning in Integrated Teams: presented to American Geophysical Union, presented at AGU Annual Meeting, Washington, DC, December 10, 2018.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, North West Shelf, Australia: presented to Colorado School of Mines, presented at Van Tyl Lecture, Golden, Colo., March 17, 2018.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, NW Shelf Australia: presented to San Antonio Geophysical Society monthly meeting, San Antonio, Tex., January 23, 2018.

Presentations

A WORKFLOW FOR DOWN-SELECTING A CCS SITE: presented to Geological Society of America, South-Central Section, presented at 56th Annual Meeting - 2022, virtual; https://doi.org/10.1130/abs/2022SC-373658, March 14, 2022.

Redirection of Submarine Channels by Minibasin Obstruction on a Salt-Detached Slope: an Example from Above the Sigsbee Canopy: presented to GCSSEPM Foundation, presented at 2019 Perkins-Rosen Research Conference, Noble Energy offices, Houston, Tex., December 5, 2019.

Early Miocene High Island Delta System, Offshore Texas and Louisiana: presented at AAPG anual meeting, San Antonio, Tex., May 19-22, 2019.

Salt Diapir Influence on Channel Evolution in Deep-Water Minibasins, Gulf of Mexico: presented to Applied Geodynamics Laboratory Annual Meeting, Bureau of Economic Geology, The University of Texas at Austin, November 9, 2018.

Salt Diapir Influence on Channel Evolution in Deep-Water Minibasins, Gulf of Mexico: presented to Quantitative Clastics Laboratory Annual Meeting, Bureau of Economic Geology, The University of Texas at Austin, October 16, 2018.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, North West Shelf, Australia: presented to American Association of Petroleum Geologists Annual Meeting, Salt Lake City, Utah, June 16, 2018.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, NW Shelf Australia: presented to Bureau of Ocean Management, presented at BOEM, New Orleans, December 9, 2017.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, NW Shelf Australia: presented to American Geophysical Union, presented at Poster Session, Annual Meeting, New Orleans, December 8, 2017.

Carbonate Channel-Levee Systems Influenced by MTCs: Browse Basin, NW Shelf Australia: presented to Bureau of Economic Geology Quantitative Clastics Labratory, presented at QCL Annual Meeting, Austin, Tex., October 10, 2017.

Using Ultrahigh-Resolution 3-D Seismic Data to Better Delineate Mass-Flow Deposits within Complex Salt Structures: presented to American Association of Petroleum Geologists, presented at AAPG ACE, Houston, Tex., April 5, 2017.

Seismic geomorphology of early North Atlantic sediment waves, Offshore Northwest Africa: presented at AAPG-SPE 5th Annual Deepwater Geosciences Technology Workshop, Houston, Texas, January 29, 2014.

A three-dimensional geologic model and geo-referenced database for Texas (3-D-T): presented at Landmark Innovation Forum 2013, Houston, Texas, August 31, 2013.

Seismic imaging of sedimentary reatures relative to a buried paleo-volcano, offshore Morocco: presented at Master's Saturday, The University of Texas at Austin, Austin, Texas, April 2013.

Seismic imaging of sedimentary reatures relative to a buried paleo-volcano, offshore Morocco: presented at 2nd Annual Conjugates Margin Conference, Dublin, Ireland, August 2012.

Seismic imaging of sedimentary reatures relative to a buried paleo-volcano, offshore Morocco: presented at QCL Annual Deepwater Meeting, Houston, Texas, January 2012.

Seismic characteristics of paleo-volcanoes relative to salt in rifted basins: poster presented at the American Association of Petroleum Geologists International Convention and Exposition, Milan, Italy, October 22, 2011.

Enhanced workflows for high-resolution imaging and analysis of sedimentary fill and related architecture elements: examples in the identification of channel complexes in deeply buried tectonically influenced deposits: presented at the Symposium of Petroleum Seismogeology, Lanzhou, China, July 16, 2011.

Seismic architecture and morphology of Mesozoic-age sediment waves offshore Morocco: presented at UTIG Colloquium, The University of Texas at Austin, Austin, Austin, Texas, April

27, 2011.

Complexities of geologic interpretation in mega-scale datasets: presented at Hewlett Packard Oil and Gas Advisory Meeting, Houston, Texas, April 26, 2011.

Driving geostatistics with geology: a unique approach to modeling facies relationships in complex tidally influenced sequences from eastern Utah: presented at the Landmark DSD Users Group Meeting, Houston, Texas, April 23, 2011.

Reservoir modeling of highly heterolithic tidal shoreline deposits in the Sego Sandstone, Utah: translating detailed outcrop knowledge to subsurface understanding of flow in stratigraphically complex systems: poster presented at American Association of Petroleum Geologists Annual Convention, Houston, Texas, April 13, 2011.

Seismic architecture and morphology of Mesozoic-age sediment waves, offshore Morocco, northwest Africa: presented at 30th Annual Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists Foundation, Bob F. Perkins Research Conference, Houston, Texas, December 9, 2010.

Mass transport deposits in offshore Morocco, Safi Haute Mer area: presented to the Undergraduate Geology Society, The University of Texas at Austin, Austin, Texas, October 16, 2010.

Driving geostatistics with geology; a unique approach to modeling facies relationships in complex tidally influenced sequences from eastern Utah: presented at the Landmark exhibit at the European Association of Geologists and Engineers, Barcelona, Spain, June 15, 2010.

Driving geostatistics with geology; a unique approach to modeling facies relationships in complex tidally influenced sequences from eastern Utah: presented at the Landmark exhibit at the European Association of Geologists and Engineers, Barcelona, Spain, June 14, 2010.

Driving geostatistics with geology; a unique approach to modeling facies relationships in complex tidally influenced sequences from eastern Utah: presented at the Landmark exhibit at the American Association of Geological Societies, New Orleans, Louisiana, April 12, 2010.

Imaging stratigraphic fill architectures in post-rift sediments, offshore
NW Africa: presented at the Landmark exhibit at the Austin GeoModeling Exhibit at the American Association of Geological Societies, New Orleans, Louisiana, April 12, 2010.

Driving geostatistics with geology; a unique approach to modeling facies relationships in complex tidally influenced sequences from eastern Utah: presented at the Landmark exhibit at the American Association of Geological Societies, New Orleans, Louisiana, April 11, 2010.

Virtual field trip, offshore Morocco--from rift to present: presented, along with Leslie Wood, at the International Conference of Mass Movements, Austin, Texas, November 12, 2009.

Re-examining the deep structure and sedimentary architecture of offshore Morocco: presented at the Annual QCL IA Meeting, Austin, Texas, September 2009.

Sedimentology, alluvial architecture, and lidar Paleocene Prince Creek and Sagavanirktok Formations, Sagwon Bluffs, North Slope, Alaska: presented at the Annual QCL IA Meeting, Austin, Texas, September 2009.

Causal mechanism for MTC generation on the northwest African shelf: presented at the AAPG Annual Convention, Denver, Colorado, June 2009.

Seismic geomorphology of offshore Morocco: presented at the Austin Gem and Mineral Society Meeting, Austin, Texas, April 2009.

Deep marine systems, offshore Morocco: poster presented at the Austin Geological Society Annual Poster Session, Austin, Texas, March 2009.

Mass transport complexes in offshore Morocco: presented at the Abilene Geological Society

Meeting, Abilene, Texas, November 2008.

Utilizing multiple attributes and techniques for detailed analysis of seismic structure and facies: presented at the Annual QCL IA Meeting, Albuquerque, New Mexico, September 2008.

Mass transport deposits in offshore Morocco: presented at the West Texas Geological Society Meeting, Midland, Texas, August 2008.

Mass transport deposits in offshore Morocco, Safi Haute Mer area: presented at the AAPG Annual Convention, San Antonio, Texas, April 2008.

Depositional systems in offshore Morocco, Safi Haute Mer Area: presented at Annual QCL IA Meeting, Port of Spain, Trinidad, November 2007.

Mass transport deposits in offshore Morocco, Safi Haute Mer Area: presented at Moroccan Association of Petroleum Geologists Marrakech Conference, Marrakech, Morocco, November 2007.

Mass transport deposits offshore Morocco, Safi Haute Mer Area: poster presented at Chevron Subsurface Characterization Forum, The Woodlands, Texas, 2007.

Mass transport deposits in offshore Morocco, Safi Haute Mer Area: presented at Annual QCL IA Meeting, Austin, Texas, November 2006.

Uncovering new potential in a complex stratigraphic environment, onshore southern Mexico: presented at Society of Exploration Geophysicists Annual Convention (with David Jennette and Khaled Fouad), San Antonio, Texas, 2001.

Activities of a Professional Nature

Professional Societies

American Association of Petroleum Geologists

Austin Geological Society

Energy Minerals Division, American Association of Petroleum Geologists

Gulf Coast Association of Geological Societies

SEPM (Society for Sedimentary Geology)

Society of Exploration Geophysicists

Activities of a Professional Nature

Co-Vice General Chair, 2019 AAPG Annual Meeting, San Antonio, Texas (July 15, 2018-May 5, 2019)

Publications

Peer Reviewed Journal Articles

Uroza, C. A., Nuss, K., Romanak, K., Bhattacharya, S., Dunlap, D., and Hovorka, S., 2025, Assessing the potential for CO2 sequestration of a saline aquifer in the Frio Formation, South Texas, USA: International Journal of Greenhouse Gas Control, v. 146, no. 104441, 17 p., http://doi.org/10.1016/j.ijggc.2025.104441.

Covault, J. A., Sylvester, Z., and Dunlap, D. B., 2024, Submarine-channel meandering reset by landslide filling, Taranaki Basin, New Zealand: The Depositional Record, v. 10, no. 5, p. 581-599, http://doi.org/10.1002/dep2.267.

Soto, J. I., Dunlap, D. B., Hudec, M. R., Morley, C. K., Tingay, M. R. P., and Wood, L. J., 2024, Introduction to the special section: mobile shales--historical perspective, seismic expression, and open questions: Interpretation, v. 12, no. 4, p. SFi-SFxxxi, http://doi.org/10.1190/INT-2024-0924-SPSEINTRO.1.

Treviño, R. H., Hovorka, S. D., Dunlap, D. B., Larson, R. C., Hentz, T. F., Hosseini, S. A., Bhattacharya, S., and DeAngelo, M. V., 2024, A phased workflow to define permit-ready locations for large volume CO2 injection and storage: Greenhouse Gases Science and Technology, v. 14, no. 1, p. 95-110, http://doi.org/10.1002/ghg.2253.

Bump, A. P., Bakhshian, S., Ni, H., Hovorka, S. D., Olariu, M. I., Dunlap, D., Hosseini, S. A., and Meckel, T. A., 2023, Composite confining systems: Rethinking geologic seals for permanent CO2 sequestration: International Journal of Greenhouse Gas Control, v. 126, no. 103908, 12 p., http://doi.org/10.1016/j.ijggc.2023.103908.

Portnov, A., Flemings, P. B., You, K., Meazell, K., Hudec, M. R., and Dunlap, D. B., 2023, Low temperature and high pressure dramatically thicken the gas hydrate stability zone in rapidly formed sedimentary basins: Marine and Petroleum Geology, v. 158, Part A, no. 106550, 15 p., http://doi.org/10.1016/j.marpetgeo.2023.106550.

Ulfah, M., Hosseini, S., Hovorka, S., Bump, A., Bakhshian, S., and Dunlap, D., 2022, Assessing impacts on pressure stabilization and leasing acreage for CO2 storage utilizing oil migration concepts: International Journal of Greenhouse Gas Control, v. 115, no. 103612, 13 p., http://doi.org/10.1016/j.ijggc.2022.103612.

Covault, J. A., Sylvester, Z., Ceyhan, C., and Dunlap, D. B., 2021, Giant meandering channel evolution, Campos deep-water salt basin, Brazil: Geosphere, v. 17, no. 6, p. 1869-1889, http://doi.org/10.1130/GES02420.1.

Cardona, S., Wood, L., Moscardelli, L., and Dunlap, D., 2020, Cannibalization and sealing of deepwater reservoirs by mass-transport complexes--the Jubilee field, Gulf of Mexico: Interpretation, v. 8, no. 4, p. SV17-SV30, http://doi.org/10.1190/INT-2019-0274.1.

Covault, J. A., Sylvester, Z., Hudec, M. R., Ceyhan, C., and Dunlap, D., 2020, Submarine channels 'swept' downstream after bend cutoff in salt basins: The Depositional Record, v. 6, no. 1, p. 259-272, http://doi.org/10.1002/dep2.75.

Olariu, M. I., DeAngelo, M., Dunlap, D., and Treviño, R. H., 2019, High frequency (4th order) sequence stratigraphy of Early Miocene deltaic shorelines, offshore Texas and Louisiana: Marine and Petroleum Geology, v. 110, p. 575-586, http://doi.org/10.1016/j.marpetgeo.2019.07.040.

Pham, N., Fomel, S., and Dunlap, D., 2019, Automatic channel detection using deep learning: Interpretation, v. 7, no. 3, p. SE43-SE50, http://doi.org/10.1190/INT-2018-0202.1.

Hawie, N., Covault, J., Dunlap, D. B., and Sylvester, Z., 2018, Slope-fan depositional architecture from high-resolution forward stratigraphic models: Marine and Petroleum Geology, v. 91, p. 576-585, http://doi.org/10.1016/j.marpetgeo.2017.12.033.

Karimi, P., Fomel, S., Wood, L., and Dunlap, D., 2015, Predictive coherence: Interpretation, v. 3, no. 4, p. SAE1-SAE7, http://doi.org/10.1190/INT-2015-0030.1.

Wolaver, B. D., Coogan, J. C., Horton, B. K., Bermudez, L. S., Sun, A. Y., Wawrzyniec, T. F., Zhang, T., Shanahan, T. M., Dunlap, D. B., Costley, R., and de la Rocha, L., 2015, Structural and hydrogeologic evolution of the Putumayo basin and adjacent fold-thrust belt, Colombia: AAPG Bulletin, v. 99, no. 10, p. 1893-1927, http://doi.org/10.1306/05121514186.

Dunlap, D. B., Wood, L. J., and Moscardelli, L., 2013, Seismic geomorphology of early North Atlantic sediment waves, offshore northwest Africa: Interpretation, v. 1, no. 1, p. SA75-SA91, doi: 10.1190/INT-2013-0040.1.

Moscardelli, Lorena, Ramnarine, S., Wood, L. J., and Dunlap, D. B., 2013, Seismic geomorphological analysis and hydrocarbon potential of the Lower Cretaceous Cromer Knoll Group, Heidrun field, Norway: AAPG Bulletin, v. 97, no. 8, p. 1227-1248, doi: 10.1306/02081312155.

Moscardelli, L., Dooley, T., Dunlap, D., Jackson, M., and Wood, L., 2012, Deep-water polygonal

fault systems as terrestrial analogs for large-scale Martian polygonal terrains: Geological Society of America Today, v. 22, no. 8, p. 4-6, http://doi.org/10.1130/GSATG147A.1.

Moscardelli, L., Wood, L. J., and Dunlap, D. B., 2012, Shelf-edge deltas along structurally complex margins: a case study from eastern offshore Trinidad: AAPG Bulletin, v. 96, no. 8, p. 1483-1522.

Burton, D., Dunlap, D. B., Wood, L. J., and Flaig, P. P., 2011, Lidar intensity as a remote sensor of rock properties: Journal of Sedimentary Research, v. 81, p. 339-347. DOI 10.2110/JSR.2011.31

Dunlap, D. B., Wood, L. J., Weisenburger, C., and Jabour, H., 2010, Seismic geomorphology of offshore Morocco's east margin, Safi Haut Mer area: AAPG Bulletin, v. 94, no. 5, p. 615-642.

Ambrose, W. A., Wawrzyniec, T. F., Fouad, Khaled, Sakurai, Shinichi, Jennette, D. C., Brown, L. F., Jr., Guevara, E. H., Dunlap, D. B., Talukdar, S. C., Aranda-García, Mario, Hernandez Romano, Ulises, Alvarado Vega, Juan, Macias Zamora, Eduardo, Ruiz-Ruiz, Héctor, and Cárdenas-Hernández, Ramón, 2005, Neogene tectonic, stratigraphic, and play framework of the southern Laguna Madre-Tuxpan continental shelf, Gulf of Mexico: AAPG Bulletin, v. 89, no. 6, p. 725-751.

Ambrose, W. A., Wawrzyniec, T. F., Fouad, Khaled, Talukdar, S. C., Jones, R. H., Jennette, D. C., Holtz, M. H., Sakurai, Shinichi, Dutton, S. P., Dunlap, D. B., Guevara, E. H., Meneses-Rocha, J., Lugo-Rivera, J. E., Aguilera, L., Berlanga, J., Miranda, L., Ruiz Morales, José, Rojas, R., and Solís, H., 2003, Geologic framework of upper Miocene and Pliocene gas plays of the Macuspana Basin, southeastern Mexico: AAPG Bulletin, v. 87, no. 9, p. 1411-1435.

Jennette, D. C., Fouad, Khaled, Wawrzyniec, Tim, Dunlap, Dallas, Munoz, Rafael, and Meneses-Rocha, Javier, 2003, Slope and basin-floor reservoirs from the Miocene and Pliocene of the Veracruz Basin, southeastern Mexico: Marine and Petroleum Geology, v. 20, p. 587-600.

Jennette, David, Wawrzyniec, Tim, Fouad, Khaled, Dunlap, D. B., Meneses-Rocha, Javier, Grimaldo, Francisco, Munoz, Rafael, Barrera, David, Williams-Rojas, C. T., and Escamilla, Arturo, 2003, Traps and turbidite reservoir characteristics from a complex and evolving tectonic setting, Veracruz Basin, southeastern Mexico: AAPG Bulletin, v. 87, no. 10, p. 1599-1622.

Peer Reviewed Book Chapters

Morris, P. D., Sylvester, Z., Covault, J. A., Mohrig, D., and Dunlap, D., 2024, Fluvial-style migration controls autogenic aggradation in submarine channels: Joshua Channel, eastern Gulf of Mexico, in Finotello, A., Durkin, P. R., and Sylvester, Z., eds., Meandering streamflows: patterns and processes across landscapes and scales: Geological Society of London, Special Publication, v. 540, p. 265-280, http://doi.org/10.1144/SP540-2022-123.

Non Peer Reviewed Authored Books

Ambrose, W. A., Jones, R., Fouad, K., Wawrzyniec, T. F., Jennette, D., Sakurai, S., Dutton, S. P., Dunlap, D. B., Holtz, M. H., Sánchez-Barreda, L. A., Guevara, E. H., Meneses-Rocha, J., Lugo, J. E., Aguilera, L., Berlanga, J., Miranda, L., Morales, José, and Rojas, R., 2004, Sandstone architecture of upper Miocene and Pliocene shoreface, deltaic, and valley-fill complexes, Macuspana Basin, southeastern Mexico: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations, no. 270, 37 p.

Non Peer Reviewed Journal Articles

Bump, A., Bakhshian, S., Ni, H., Hovorka, S. D., Dunlap, D. B., Olariu, M. I., Hosseini, S. A., and Meckel, T., 2022, Composite confining systems: rethinking geologic seals for permanent CO2 sequestration: 16th Greenhouse Gas Control Technologies Conference, 23-27 October, Lyon, France, http://doi.org/10.2139/ssrn.4286411.

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