Xavier Janson

Professional Summary

November 15, 2026

Business address:	The University of Texas at Austin Bureau of Economic Geology 10100 Burnet Rd., Bldg. 130 Austin, TX 78758
Telephone:	(512) 475-9524
E-mail address:	xavier.janson@beg.utexas.edu

Professional Preparation

Academic Background

Ph.D. Geology, University of Miami, Coral Gables, Florida, 2002

M.S. Geology, Ecole Nationale Supérieure des Mines de Paris, IFP School, I.P.G.P, Paris Universities and Muséum National d'Histoire Naturelle, Paris, France, 1997

B.S. with Honors, Fundamental and Applied Geology and Geophysics, J. Fourier University, Grenoble, France, 1995

D.E.U.G. Diploma, Geology, Physics, Biology, and Mathematics, J. Fourier University, Grenoble, France, 1992

Professional Appointments

Present Position: Research Scientist, Bureau of Economic Geology, The University of Texas at Austin (August 2010 - Present). Reservoir Characterization Research Laboratory (RCRL).

Research Associate, Bureau of Economic Geology, The University of Texas at Austin (December 2002 - August 2010). Reservoir Characterization Research Laboratory (RCRL).

Researcher, Sedimentology Department, Elf Exploration Production, Pau (1997 - 1998). High-resolution sequence stratigraphy study of an early to middle Miocene carbonate platform, south-central Turkey.

Intern, Gold Fields of South Africa, 2-month internship—Westdriefontain Gold Mine Geology Department, Carltonville (1994). Study of microtectonics of the gold-bearing layer (including underground fieldwork).

Theses

Méthodes quantitatives et modélisation des bassins sédimentaires' (Quantitative methods and sedimentary basin modeling)

Dissertations

Architecture and seismic expression of Miocene carbonate barrier-lagoon systems (Ermenek Platform, Turkey and Zhujiang Platform, South China Sea)

Areas of Expertise

Areas of Expertise

Carbonate modern depositional environment

Carbonates sedimentology and sequence stratigraphy

Petrophysics of carbonate

Seismic modeling

Seismic signature of carbonate rock

Awards

Awards and Honorary Societies

SEPM Best Poster Award, Annual AAPG/SEPM Convention, Holocene Cyanobacterial Mats and Lime Muds: Links to Middle East Carbonate Source Rock Potential (co-author), 2007

Service

External Committees Participation

Associate Editor, Sedimentology, International Association of Sedimentologists, 2008 - present

Member, Honorary Member Committee, SEPM (Society for Sedimentary Geology), 2008 - present

Editor, SEPM Sedimentary Record, 2009 - 2012

Member, Nominations Committee, SEPM (Society for Sedimentary Geology), 2006 - 2007

Session Chair, Seismic Imaging of Carbonates, American Association of Petroleum Geologists Annual Convention, Houston, Texas, 2006

Session Co-Chairman, Seismic Imaging of Carbonates, American Association of Petroleum Geologists Annual Convention, Houston, Texas, 2006

Session Co-Chairman, Deep Water Carbonates: Reservoirs and Potential, American Association of Petroleum Geologists Annual Convention, Dallas, Texas, 2004

Teaching and Advising

University Courses Taught

Energy Exploration GEO 330K: January-May 2013.

Energy Exploration, GEO 330K: Undergraduate Geology and Petroleum Geology: presented to Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, January 2-May 31, 2012.

Energy Exploration, GEO 330K: Undergraduate Geology and Petroleum Geology, Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, Spring 2011.

Energy Exploration, GEO 330K: Undergraduate Geology and Petroleum Geology, Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, Spring 2010.

Petroleum Geology, GEO 330K: Undergraduate Geology and Petroleum Geology, Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, Spring 2009.

Petroleum Geology, GEO 330K: Undergraduate Geology and Petroleum Geology, Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, Spring 2008.

Carbonate petrology: presented six lectures to GEO383 graduate students, Department of Geological Sciences, The University of Texas at Austin, October 2003.

Continuing Education Courses Taught

Bridging the gap between outcrops and subsurface reservoirs: 1-day short course presented to Chevron Bahrain, Austin, Texas, December 5, 2008.

Seismic expression of carbonate strata: 1-day short course presented to BHP, Austin, Texas, May 8, 2008.

Integration of Ilris, GPR and outcrop data to build 3D model: 10-day workshop for ENI, Milan, Italy, March 2005.

Field Trips Leadership

Co-Leader, Cretaceous Carbonate Systems: RCRL Laboratory Spring Field Course, Pipe Creek, Junction, Ozona, Sonora, Del Rio, Texas, May 2010.

Co-Leader, Linking Depositional, Diagenetic, Facies, Stratal Geometries, and Cycle Architecture: Examples from Paleozoic Carbonate Systems of West Texas and Southern New Mexico: RCRL Laboratory Spring Field Course, Alamogordo, El Paso, Carlsbad, New Mexico & Texas, June 2009.

Leader, Paleozoic Mound Stratigraphic Architecture in the Sacramento Mountains: Implications for Reservoir Characterization: KinderMorgan engineers field trip, Alamogordo, New Mexico, June 2009.

Leader, Paleozoic Mound Stratigraphic Architecture in the Sacramento Mountains: Implications for Reservoir Characterization: Kinder Morgan engineers field trip, Alamogordo, New Mexico, March 2009.

Co-Leader, Ordovician and Permian Reservoir Heterogeneities: RCRL Laboratory Annual Field Trip, Alamogordo, El Paso, Carlsbad, New Mexic and Texas, October 2008.

Co-Leader, Carbonate Slope Styles: Examples from the Permian of the Guadalupe Mountains: Permian Basin Section SEPM Annual Field Trip, Guadalupe Mountains National Park, Texas, April 2008.

Co-Leader, Linking Depositional, Diagenetic, Facies, Stratal Geometries, and Cycle Architecture: Examples from Paleozoic Carbonate Systems of West Texas and Southern New Mexico: RCRL Laboratory Spring Field Course, Alamogordo, El Paso, Carlsbad, New Mexico and Texas, April 2007.

Co-Leader, Paleokarst Systems and Carbonate Slope Styles: Examples from the Franklin and Guadalupe Mountains: RCRL Laboratory Annual Field Trip, Calsbad and El Paso, New Mexico and Texas, October 2006.

Co-Leader, Carboniferous and Ordovician digital outcrop studies: Petroleum Development of Oman (PDO), Austin, Texas, November 2005.

Leader, 3D modeling of mixed siliciclastic-carbonate cycles in the Upper Pennsylvanian Holder Formation, Dry Canyon area, Oro Grande Basin: Conoco Phillips, Austin, Texas, October 2005.

Co-Leader, Carboniferous and Ordovician digital outcrop studies: The University of Texas at Austin, Bureau of Economic Geology, RCRL Field Trip, Austin, Texas, October 2004.

Co-Leader, Eustatic and tectonic control on Pennsylvanian facies and stratigraphy, Orogrande Basin, TX and NM: Anadarko, , Texas and New Mexico, March 2004.

Co-Leader, Sequence development in mixed carbonate-siliciclastic strata during global icehouse climatic periods; Pennsylvanian Holder Formation, Sacramento Mountains, NM: American Association of Petroleum Geologists, , New Mexico, March 2004.

Co-Leader, 3D modeling of mixed siliciclastic-carbonate cycles in the Upper Pennsylvanian Holder Formation, Dry Canyon area, Oro Grande Basin: The University of Texas at Austin, Bureau of Economic Geology, RCRL Field Trip, Austin, Texas, October 2003.

Student Committee Supervision

Chair, Ph.D. Dissertation Committee, Selin Erzeybek, Characterization and Modeling of Karst Reservoirs by Using Multiple-Point Statistics on a Non-Gridded Basis: The University of Texas at Austin, In progress, 2011

Chairman, M.S. Thesis Committee, Darrin Madriz, The University of Texas at Austin, 2009

Student Committee Participation

Member, M.S. Thesis Committee, Jason Clayton, The University of Texas at Austin, Completed, 2011

Member, Ph.D. Dissertation Committee, Carla Sanchez, The University of Texas at Austin, Completed, 2011

Member, Ph.D. Dissertation Committee, Ryan Phelps, The University of Texas at Austin, Completed, 2011

Member, M.S. Thesis Committee, Jerome Bellian, The University of Texas at Austin, Completed, 2009

Member, M.S. Thesis Committee, Joseph El Azzi, The University of Texas at Austin, Completed, 2009

Member, Ph.D. Dissertation Committee, Nysha Chadderton, The University of Texas at Austin, Completed, 2009

Member, Ph.D. Dissertation Committee, Ned Frost, The University of Texas at Austin, Completed, 2008

Presentations

Presentations

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.

Using outcrop-based 3D geocellular model as seismic benchmark: invited lecture presented to "friend of the carbonate" group, ExxonMobil, Houston, Texas, April 14, 2009.

Using outcrop-based 3D geocellular model as seismic benchmark: prestack seismic modeling of grainstones in Lawyer Canyon (Permian) outcrop, Guadalupe Mountains, New Mexico: invited poster presented at Chevron SSC Forum, The Woodlands, Texas, November 8, 2008.

Using outcrop-based 3D geocellular model as seismic benchmark: keynote address presented at SEPM Research Conference, Outcrops Revitalized: Tools, Techniques, and Application, Kilky, Ireland1, june 22, 2008.

Skeletal mound growth model based from examples from the Carboniferous and Middle Cretaceous: presented at the AAPG Annual Convention, San Antonio, Texas, April 2008.

Exploration concepts for deep water carbonates: presented at SEPM Permian Basin, Midland, Texas, January 15, 2008.

Integration of outcrop based-3D model and 3D synthetic seismic to build a reservoir model: keynote address presented at Statoil R&D Summit: Challenges Faced in Carbonate Exploration, Reservoir Characterisation and Geo-Modelling, Stavanger, Norway, September 11, 2007.

Reservoir characterization using outcrop and subsurface: invited lecture presented to BP, Houston, Texas, June 2006.

Exploration concepts for deep water carbonates: presented to Shell Exploration, Houston, Texas, March 2006.

Interaction of tectonism and eustasy in icehouse carbonate buildups and shelf strata, Pennsylvanian Holder Formation, New Mexico: invited lecture presented to Conoco Phillips, Russia Team, Cloudcroft, New Mexico, October 2005.

Redeposition along steep platform margins at the seismic scale and beyond: presented at American Association of Petroleum Geologists Annual Meeting, Houston, Texas, March 2002.

Architecture of a Miocene carbonate platform system (Ermenek Turkey)—implications for subsurface data interpretation: presented at American Association of Petroleum Geologists Annual Meeting, Denver, Colorado, June 2001.

2D/3D geometries of tertiary prograding margins (Mut Basin, Turkey): interplay between accommodation and production: presented at American Association of Petroleum Geologists Annual Meeting, New Orleans, Louisiana, April 2000.

Seismic expression of an early to middle Miocene prograding carbonate margin, Mut Basin, South Central Turkey—a low pass band filter of reality: presented at American Association of Petroleum Geologists Annual Meeting, San Antonio, Texas, April 1999.

The evolution of geometries and facies in a prograding carbonate shoal system (middle Miocene, Mut Basin, South Central Turkey): presented at 15th International Sedimentological Congress, Alicante, Spain, April 13–17, 1998.

Activities of a Professional Nature

Professional Societies

American Association of Petroleum Geologists

International Association of Sedimentologists

SEPM (Society for Sedimentary Geology)

Society of Exploration Geophysicists

Funding

Research Support

Principal Investigator: ExxonMobil 3D Lidar Modeling, ExxonMobil Upstream Research (June 2009 - June 2011, $8,874.00).

Principal Investigator: Digital Outcrop Modeling and Seismic Characterization of a Paleokarst Carbonate System, BGP, Inc. (April 2008 - December 2009, $233,206.00).

Principal Investigator: Seismic Response of an Upper Cretaceous Margin to Basin Transect in Southern France, ENI SPA (July 2007 - October 2008, $197,000).

Principal Investigator: Carbonate Slopes, Shell International Exploration and Production (2005 - 2006, $295,882).

Principal Investigator: Seismic Response of Permian Khuff Formation, Aramco Services Co (September 2005 - December 2005, $35,000).

Project Director: , Aramco Services (September 2005 - December 2005, $35,000.00).

Publications

Peer Reviewed Journal Articles

Wang, F., Wu, X., Zeng, H., Janson, X., and Kerans, C., 2024, Stratal surfaces honoring seismic structures and interpreted geologic time surfaces: Geophysics, v. 89, no. 2, p. N45–N57, http://doi.org/10.1190/GEO2022-0432.1.

Fu, Q., Peng, J., and Janson, X., 2022, Reply to comment on ‘‘Dynamic climatic changes during the late Pennsylvanian icehouse: new insight from high-resolution geochemical records in the Cline

Shale, North America" by Peng, Fu and Janson: Gondwana Research, v. 109, p. 166–167, http://doi.org/10.1016/j.gr.2022.04.022.

Peng, J., Fu, Q., and Janson, X., 2022, Dynamic climatic changes during the Late Pennsylvanian icehouse: new insight from high-resolution geochemical records in the Cline Shale, North America: Gondwana Research, v. 106, p. 247–258, http://doi.org/10.1016/j.gr.2022.01.012.

Zeng, H., Xu, Z., Liu, W., Janson, X., and Fu, Q., 2022, Seismic-informed carbonate shelf-to-basin transition in deeply buried Cambrian strata, Tarim Basin, China: Marine and Petroleum Geology, v. 136, no. 105448, 18 p., http://doi.org/10.1016/j.marpetgeo.2021.105448.

Peng, J., Fu, Q., Larson, T. E., and Janson, X., 2021, Trace-elemental and petrographic constraints on the severity of hydrographic restriction in the silled Midland Basin during the late Paleozoic ice age: Geological Society of America Bulletin, v. 133, no. 1-2, p. 57–73, http://doi.org/10.1130/B35336.1.

Fifariz, R., Janson, X., Kerans, C., and Sapiie, B., 2020, Carbonate-shelf evolution during the Oligocene to early Miocene: insights from shelf architecture, lithofacies, and depositional models of the Kujung Formation, offshore East Java, Indonesia: Journal of Sedimentary Research, v. 90, no. 8, p. 796–820, http://doi.org/10.2110/jsr.2020.42.

Peng, J., Milliken, K., Fu, Q., Janson, X., and Hamlin, H. S., 2020, Grain assemblages and diagenesis in organic-rich mudrocks, Upper Pennsylvanian Cline shale (Wolfcamp D), Midland Basin, Texas: AAPG Bulletin, v. 104, no. 7, p. 1593–1624, http://doi.org/10.1306/03022018240.

Soto-Kerans, G. M., Stockli, D. F., Janson, X., Lawton, T. F., and Covault, J. A., 2020, Orogen proximal sedimentation in the Permian foreland basin: Geosphere, v. 16, no. 2, p. 567–593, http://doi.org/10.1130/GES02108.1.

Zeng, H., He, Y., Kerans, C., and Janson, X., 2020, Seismic chronostratigraphy at reservoir scale: lessons from a realistic seismic modeling of mixed clastic-carbonate strata in the Permian Basin, West Texas and New Mexico, USA: Interpretation, v. 8, no. 1, p. T13–T25., http://doi.org/10.1190/INT-2019-0053.1.

He, Y., Kerans, C., Zeng, H., Janson, X., and Scott, S. Z., 2019, Improving three-dimensional high-order seismic-stratigraphic interpretation for reservoir model construction: an example of geostatistical and seismic forward modeling of Permian San Andres shelf–Grayburg platform mixed clastic–carbonate strata: AAPG Bulletin, v. 103, no. 8, p. 1839–1887, http://doi.org/10.1306/11211817244, [Supervised graduate student paper].

Janson, X., and Lucia, F. J., 2018, Matrix microcrystalline structure and acoustic properties of oomoldic dolograinstone: Geophysics, v. 83, no. 4, p. MR199–MR210, http://doi.org/10.1190/geo2017-0061.1.

Bassant, P., Janson, X., van Buchem, F., Gurbuz, K., and Eris, K., 2017, Mut Basin, Turkey: Miocene carbonate depositional styles and mixed systems in an icehouse setting: AAPG Bulletin, v. 101, no. 4, p. 533-541, http://doi.org/10.1306/011817DIG17032.

Qiao, Z., Shen, A., Zheng, J., Janson, X., Chang, S., Wang, X., Chen, Y., and Liao, Y., 2017, Digitized outcrop geomodeling of ramp shoals and its reservoirs: as an example of Lower Triassic Feixianguan Formation of Eastern Sichuan Basin: Acta Geologica Sinica (English Edition), v. 91, no. 4, p. 801-840, http://doi.org/10.1111/1755-6724.13369.

Wu, X., and Janson, X., 2017, Directional structure tensors in estimating seismic structural and stratigraphic orientations: Geophysical Journal International, v. 210, p. 534-548, http://doi.org/10.1093/gji/ggx194.

Brooks, D. L., Janson, X., and Zahm, C., 2016, The effect of sample volume on mIcro-rebound hammer UCS measurements in Gulf Coast Cretaceous carbonate cores: GCAGS Journal, v. 5, p. 189-202.

Hurd, G. S., Kerans, C., Fullmer, S., and Janson, X., 2016, Large-scale inflections in slope angle below the shelf break: a first order control on the stratigraphic architecture of carbonate slopes: Cutoff Formation, Guadalupe Mountains National Park, West Texas, U.S.A.: Journal of Sedimentary Research, v. 86, no. 4, p. 336-362, http://doi.org/10.2110/jsr.2016.25.

Qiao, Z., Janson, X., Shen, A., Zheng, J., Zeng, H., and Wang, X., 2016, Lithofacies, architecture, and reservoir heterogeneity of tidal-dominated platform marginal oolitic shoal: an analogue of oolitic reservoirs of Lower Triassic Feixianguan Formation, Sichuan Basin, SW China: Marine and Petroleum Geology, v. 76, p. 290-309, http://doi.org/10.1016/j.marpetgeo.2016.05.030.

Decker, L., Janson, X., and Fomel, S., 2015, Carbonate reservoir characterization using seismic diffraction imaging: Interpretation, v. 3, no. 1, p. SF21-SF30, http://doi.org/10.1190/INT-2014-0081.1.

Janson, X., Lee, K., Zahm, C., and Kerans, C., 2015, Ground-penetrating radar imaging of Albian rudist buildups, central Texas: Interpretation, v. 3, no. 3, p. SY67-SY81, http://doi.org/10.1190/INT-2014-0273.1.

Janson, X., and Madriz, D. D., 2012, Geomodelling of carbonate mounds using two-point and multipoint statistics, in Garland, J., Neilson, J. E., Laubach, S. E., and Whidden, K. J., eds., Advances in carbonate exploration and reservoir analysis: Geological Society, London, Special Publication 370, p. 229?246.

Pomar, L., Bassant, P., Brandano, M., Ruchonnet, C., and Janson, X., 2012, Impact of carbonate producing biota on platform architecture: insights from Miocene examples of the Mediterranean region: Earth-Science Reviews, v. 113, p. 186?211.

Janson, X., and Fomel, S. B., 2011, 3-D forward seismic model of an outcrop-based geocellular model: SEPM Concepts in Sedimentology and Paleontology No. 10, p. 87?106.

Janson, X., Eberli, G. P., Lomando, A. J., and Bonnaffe, F., 2011, Seismic characterization of large-scale platform-margin collapse along the Zhujiang carbonate platform (Miocene) of the South China Sea, based on Miocene outcrop analogs from Mut Basin, Turkey: SEPM (Society for Sedimentary Geology) Special Publication No. 95, p. 79?98.

Janson, X., Kerans, C., Loucks, R. G., Marhx, A., Reyes, C., and Murguia, F., 2011, Seismic architecture of a Lower Cretaceous platform-to-slope system, Santa Agueda and Poza Rica fields, Mexico: AAPG Bulletin, v. 95, no. 1, p. 105?146.

Loucks, R. G., Kerans, C., Janson, X., and Marhx Romano, M. A., 2011, Lithofacies analysis and stratigraphic architecture of a deep-water carbonate debris apron: Lower Cretaceous (latest Aptian to latest Albian) Tamabra Formation, Poza Rica field area, Mexico: SEPM (Society for Sedimentary Geology), Special Publication No. 96, p. 367–389.

Zeng, H., Loucks, R. G., Janson, X., Wang, G., Xia, Y., Yuan, B., and Xu, L., 2011, Three-dimensional seismic geomorphology and analysis of the Ordovician paleokarst drainage system in the central Tabei Uplift, northern Tarim Basin, western China: AAPG Bulletin, v. 95, no. 12, p. 2061??2083.

Zeng, H., Wang, G., Janson, X., Loucks, R. G., Xia, Y., Xu, L., and Yuan, B., 2011, Characterizing seismic bright spots in deeply buried, Ordovician paleokarst strata, Central Tabei Uplift, Tarim Basin, western China: Geophysics, v. 76, no. 4, p. B127?B137.

Janson, X., Van Buchem, F., Dromart, G., Eichenseer, H. T., Boichard, R., Dellamonica, X., Bonnaffe, F., and Eberli, G., 2010, Architecture and facies differentiation within a middle Miocene platform, Ermenek, Mut Basin, southern Turkey, in Van Buchem, F. S. P., Gerdes, K., and Esteban, M., eds., Mesozoic and Cenozoic carbonate systems of the Mediterranean and the Middle East: stratigraphic and diagenetic reference models: Geological Society, London, Special Publications, 329, p. 265–290.

Kurtzman, Daniel, El-Azzi, J. A., Lucia, F. J., Bellian, J. A., Zahm, C., and Janson, Xavier, 2009, Improving fractured carbonate-reservoir characterization with remote sensing of beds, fractures, and vugs: Geosphere, v. 5, no. 2, p. 126–139.

Phelps, R. M., Kerans, Charles, Scott, S. Z., Janson, Xavier, and Bellian, J. A., 2008, Three-dimensional modelling and sequence stratigraphy of a carbonate ramp-to-shelf transition, Permian Upper San Andres Formation: Sedimentology, doi: 10.1111/j.1365-3091.2008.00967.x.

Janson, X., Eberli, G., Bonnaffe, Florence, Gaumet, F., and De Casanove, V., 2007, Seismic expression of a Miocene prograding carbonate margin, Mut Basin, Turkey: AAPG Bulletin, v. 91, no. 5, p. 685–713.

Janson, Xavier, Kerans, Charles, Bellian, J. A., and Fitchen, William, 2007, Three-dimensional geological and synthetic seismic model of Early Permian redeposited basinal carbonate deposits, Victorio Canyon, west Texas: AAPG Bulletin, v. 91, p. 1405–1436.

Peer Reviewed Book Chapters

Janson, X., Lucia, F. J., Jennings, J. W., Jr., Bellian, J. A., Abubshait, A. A., Al-Dukhayyil, R. K., Mueller, H. W., and Cantrell, D., 2014, Chapter 12: Outcrop-based 3D geological and reservoir model of the Uppermost Khuff Formation in central Saudi Arabia, in Pöppelreiter, M. C., ed.,

Permo-Triassic sequence of the Arabian Plate: EAGE Publications, p. 269–302.

Erzeybek, S., Srinivasan, S., and Janson, X., 2012, Multiple-point statistics in a non-gridded domain: application to karst/fracture network modeling, in Abrahamsen, P., Hauge, R., and Kolbjørnsen, O., eds., Geostatistics Oslo 2012: Dordrecht, Springer, Quantitative Geology and Geostatistics, v. 17, p. 221-237, http://doi.org/10.1007/978-94-007-4153-9_18.

Playton, T. E., Janson, X., and Kerans, C., 2011, Chapter 18. Carbonate slopes, in James, N. P., and Dalrymple, R. W., eds., Facies models 4: St. Johns, Newfoundland, Geological Association of Canada, p. 449–476.

Bergman, K. L., Whestphal, H., Janson, X., Poiriez, A., and Eberli, G. P., 2010, Chapter 2. Controlling parameters on facies geometries of the Bahamas, an isolated carbonate platform environment, in Whestphal, H., Eberli, G. P., and Reigl, B., eds., Factors controlling modern carbonate deposition: Springer-Verlag, ISBN:978-90-481-9363-9, p. 5–80.

McNeill, D. F., Janson, X., Bergman, K. L., and Eberli, G., 2010, Chapter 3. Belize: a modern example of a mixed carbonate-siliciclastic shelf, in Whestphal, H., Eberli, G. P., and Reigl, B., eds., Factors controlling modern carbonate deposition: Springer-Verlag, ISBN: 978-90-481-9363-9, p. 81–144.

Riegl, B., Poiriez, A., Janson, X., and Bergman, K. L., 2010, Chapter 4. The Gulf: facies belts, physical, chemical, and biological parameters of sedimentation on a carbonate ramp, in Whestphal, H., Eberli, G. P., and Reigl, B., eds., Factors controlling modern carbonate deposition: Springer-Verlag, ISBN: 978-90-481-9363-9, p. 145–215.

Non Peer Reviewed Journal Articles

Shimazu, T., Janson, X., Yagi, M., and Ichimaru, Y., 2017, Carbonate facies and reservoir quality of the Kujung Formation in Kangean Island, East Java, Indonesia [in Japanese with English abstract]: Journal of the Japanese Association for Petroleum Technology, v. 82, no. 1, p. 34-43.

Janson, X., and Simo, A., 2011, Paleozoic mounds stratigraphic architecture in the Sacramento Mountains: implication for reservoir characterizations, in Wood, L., Simo, A., and Rosen, N., eds., Seismic imaging of depositional and geomorphic systems: GCSSEPM, Bob Perkins research Conference Proceedings, p. 136–157.

Zeng, Hongliu, Wang, G. Z., Loucks, R. G., Janson, X., Xia, Y. P., and Xu, L. G., 2011, Seismic geomorphologic, core, and outcrop expression of an Ordovician paleokarst system in north-central Tarim Basin, China, in 30th Annual GCSSEPM Foundation Bob F. Perkins Research Conference, December 5-8, 2010, Houston, Texas, p. 73??87.

Janson, Xavier, 2009, The mountains of Oman, in Laubach, S. E., and Tinker, S. W., eds., 2009, Earth's art: celebrating the Centennial of the Bureau of Economic Geology, 1909–2009: The University of Texas at Austin, Bureau of Economic Geology, p. 102–103.

Guidebooks

Kerans, C., Janson, X., Price, B., and Zahm, C., 2024, Late Paleozoic Stratigraphy and the Transition from Tobosa Basin to Ancestral Rockies Systems, SW Texas and New Mexico, in RCRL Annual Sponsor's Meeting Field Trip: Bureau of Economic Geology, p. 228.

Janson, X., Kerans, C., and Zahm, C., 2023, Classic Exposures of Wolfcampian to Guadalupian Shelf to Basin Carbonate Systems, Marathon Basin, Glass Mountains, Sierra Diablo Mountains, Guadalupe Mountains and Carlsbad Caverns, Texas and New Meixco, in RCRL Annual Sponsor's Meeting Field Trip: Bureau of Economic Geology, p. 286.

Janson, X., Kerans, C., Zahm, C., Rendall, B., Syzdek, J., Spangler, L., Eljalafi, A. M., and Tinker, N., 2022, Ancestral Rocky Mountain Structure and Stratigraphy, Sacramento Mountains, NM: RCRL Annual Sponsors Meeting Field Trip, 139 p.

Janson, Xavier, 2009, Paleozoic mounds stratigraphic architecture in the Sacramento Mountains: implications for reservoir characterization: The University of Texas at Austin, Bureau of Economic Geology RCRL Field Trip Guidebook, 91 p.

Janson, Xavier, 2009, Paleozoic mounds stratigraphic architecture in the Sacramento Moutains: implications for reservoir characterization: The University of Texas at Austin, Bureau of Economic Geology, RCRL Laboratory, Kinder Morgan Engineers Field Guide, 91 p.

Janson, Xavier, Kerans, Charles, Bellian, J. A., and Zahm, C., 2009, Linking depositional, diagenetic facies, stratal geometries, and cycle architecture: examples from Paleozoic carbonate systems of West Texas and southern New Mexico: The University of Texas at Austin, Bureau of Economic

Geology RCRL Laboratory Field Course Guidebook, 148 p.

Kerans, Charles, Playton, T. E., and Janson, Xavier, 2008, Carbonate slope styles: examples from the Permian of the Guadalupe Mountains: Permian Basin Section SEPM Annual Field Trip Guidebook,, 90 p.

Zahm, C., Phelps, R., Garcia-Fresca, B., Bellian, J. A., Kerans, C., El Azzi, J. A., and Janson, X., 2008, Cretaceous, Ordovician, and Permian reservoir heterogeneities: The University of Texas at Austin, Bureau of Economic Geology RCRL Field Trip Guidebook, 74 p.

Kerans, Charles, Janson, Xavier, and Bellian, J. A., 2007, Linking depositional, diagenetic facies, stratal geometries, and cycle architecture: examples from Paleozoic carbonate systems of West Texas and southern New Mexico: The University of Texas at Austin, Bureau of Economic Geology RCRL Laboratory Field Course Guidebook, 161 p.

Kerans, Charles, Phelps, R., Zahm, C., Bellian, J. A., Janson, Xavier, and El Azzi, J. A., 2007, Cretaceous, Ordovician, and Permian reservoir heterogeneities: The University of Texas at Austin, Bureau of Economic Geology RCRL Laboratory Field Trip Guidebook,, 90 p.

Kerans, Charles, Bellian, J. A., Playton, T. E., and Janson, Xavier, 2006, Paleokarst systems and carbonate slope styles: examples from the Franklin and Guadalupe Mountains: The University of Texas at Austin, Bureau of Economic Geology, RCRL Laboratory Field Trip Guidebook, 63 p.

Kerans, Charles, Janson, Xavier, Playton, T. E., Phelps, R., and Scott, Sam, 2005, Carbonate slopes—the transition from ramps to steep-rimmed margins: examples from the Sacramento and the Guadalupe: The University of Texas at Austin, Bureau of Economic Geology RCRL Laboratory Field Trip Guidebook, 96 p.

Janson, Xavier, Bachtel, Steve, and Rankey, Eugene, 2004, Sequence development in mixed carbonate-siliciclastic strata during global incehouse climatic periods; Pennsylvanian Holder Formation, Sacramento Mountains, NM: American Association of Petroleum Geologists Hedberg Conference Field Trip Guidebook, 75 p.

Janson, Xavier, Kerans, Charles, and Bellian, Jerry, 2004, Carboniferous and Ordovician digital outcrop studies: The University of Texas at Austin, Bureau of Economic Geology, RCRL Laboratory Field Trip Guidebook, 86 p.

Janson, Xavier, Kerans, Charles, Bellian, J. A., and Playton, T. E., 2003, 3D modeling of mixed siliciclastic-carbonate cycles in the Upper Pennsylvanian Holder Formation, Dry Canyon area, Oro Grande Basin: The University of Texas at Austin, Bureau of Economic Geology, RCRL Laboratory Field Trip Guidebook, 46 p.

Conference Proceedings

Dommisse, R., Janson, X., Male, F., Price, B., Payne, S., and Lewis, A., 2019, An Integrated, Multiscale Geomodel of the Northern Delaware Basin, SPE/AAPG/SEG Unconventional Resources Technology Conference.

Janson, X., Price, B., Covault, J., Dommisse, R., and Dunlap, D. B., 2019, Seismic Geomorphology of Permian Shelf Margin, Slope and Basin in the Northern Delaware Basin, 2019 AAPG Annual Convention and Exhibition.

Zahm, C., Kerans, C., Janson, X., Dommisse, R., and Price, B., 2019, Basement-Rooted Fault Systems of the Midland and Delaware Basins and Their Influence on Early Permian Facies Distributions, 2019 AAPG Annual Convention and Exhibition.

Contract Reports

Janson, Xavier, and Zeng, Hongliu, 2009, Seismic response of an Upper Cretaceous margin to a basin transect in southern France: The University of Texas at Austin, Bureau of Economic Geology, final report prepared for the University of Marseilles, 85 p.

Janson, Xavier, Playton, T. E., Kerans, Charles, and Loucks, R. G., 2007, Atlas of carbonate slope and basin: The University of Texas at Austin, Bureau of Economic Geology, contract report prepared for Shell Exploration and Production, under contract Carbonate Slope 26-7691-68.

Janson, Xavier, Bellian, J. A., Jennings, J. W., Jr., and Lucia, F. J., 2006, 3-D modeling of Permo-Triassic carbonate outcrop analogs for advanced reservoir characterization: The University of Texas at Austin, Bureau of Economic Geology, Reservoir Characterization Research Laboratory, final report prepared for Saudi Aramco, 80 p. + apps.

Bellian, J. A., Bryant, Steve, Fomel, S. B., Frost, E. L., Garcia-Fresca, B., Janson, Xavier, Jennings, J. W., Jr., Kane, J. A., Kerans, Charles, Lonergan, T., Lucia, F. J., Malik, M. A., Nair, Narayan, Phelps, R., Playton, T. E., Scheevel, Jay, Scott, T. M., Strand, J., Su, Jiandong (Joseph), Wang, F. P., Zeng, Hongliu, and Zhang, L., 2005, Reservoir Characterization Research Laboratory project summaries 2005: RCRL 2005 sponsors: Anadarko, Aramco, BP, Chevron, ConocoPhillips, ENI, ExxonMobil, Great Western Drilling, Kinder Morgan, Marathon, Norsk Hydro, Oxy Permian, Pioneer, PDO, Shell, and Statoil, CD-ROM.

Janson, Xavier, 2005, 3-D synthetic seismograms of permo-Triassic Khuff Formation carbonate outrcop analog, Buraydah, Saudi Arabia: The University of Texas at Austin, Bureau of Economic Geology, final report prepared for Saudi Aramco, 38 p.

Bellian, J. A., Berman, A. E., Bryant, Steve, Fitchen, W. A., Frost, E. L., Janson, Xavier, Jennings, J. W., Jr., Kerans, Charles, Lucia, F. J., Mize, Kristine, Phelps, R., Playton, T. E., Rahnis, M. A., Wang, F. P., Ward, J. B., Zeng, Hongliu, and Zhang, L., 2004, Reservoir Characterization Research Laboratory Project Summaries for 2004: The University of Texas at Austin, Bureau of Economic Geology, Reservoir Characterization Research Laboratory, final report prepared for RCRL 2004 sponsors: Anadarko, Aramco, BP, Chevron/Texaco, ConocoPhillips, ENI, ExxonMobil, Kinder Morgan, Great Western Drilling, Landmark, Marathon, Occidental Petroleum, Petroleum Development Oman, Shell International, and Statoil, CD-ROM.

Kerans, Charles, Loucks, R. G., Janson, Xavier, Sakurai, Shinichi, Wang, F. P., Holtz, M. H., Guevara, E. H., and Dunlap, D. B., 2004, Poza Rica Phase II: integrated characterization of the Tamabra reservoir of Poza Rica field in a sequence stratigraphic framework: The University of Texas at Austin, Bureau of Economic Geology, final report prepared for Pemex in two volumes, Spanish and English, variously paginated.

Bellian, Jerry, Calkins, Craig, Janson, Xavier, Jennings, J. W., Jr., Jones, Rebecca, Mize, Kristine, Playton, Ted, Roller, Liz, Ruppel, Stephen, Wang, Fred, Ward, J. B., and Zeng, Hongliu, 2003, Reservoir Characterization Research Laboratory project summaries for 2003: The University of Texas at Austin, Bureau of Economic Geology, annual report prepared for Anadarko, Aramco, BP, Chevron/Texaco, Conoco/Phillips, ExxonMobil, Great Western Drilling, Kinder Morgan, Landmark, Marathon, Occidental Petroleum, Petroleum Development Oman, Shell International, Statoil, and TOTALFinaElf, CD-ROM.

Kerans, Charles, Loucks, Robert, Janson, Xavier, Sakurai, Shinichi, DeAngelo, Michael, Holtz, Mark, Guevara, Edgar, and Dunlap, Dallas, 2003, Integrated reservoir characterization of the Poza Rica field within a sequence stratigraphic framework: phase 1—data, sequence framework, and petrophysics: The University of Texas at Austin, Bureau of Economic Geology, final report prepared for PEMEX Exploracion y Produccion, variously paginated, 3 CD-ROM's.

Eberli, G., Wesphal, H., Bergman, K., Janson, Xavier, and Poiriez, A., 1999, Assessing dimensions and controlling parameter in carbonate depositional systems: report prepared for Shell I.E.P., 202 p.

Janson, Xavier, Eberli, G., and Bonnaffe, Florence, 1999, Impedance model of an Oxfordian platform (Swiss Jura): Elf Exploration Production, final report, 75 p.

Computer Applications and Internet

Loucks, R. G., Kerans, Charles, and Janson, Xavier, 2004, Introduction to carbonate environments, facies, and facies tracts: American Association of Petroleum Geologists Interactive Online Learning, Module 16, Product Code #927.

Loucks, R. G., Kerans, Charles, and Janson, Xavier, 2004, Platform-interior carbonate depositional environments: American Association of Petroleum Geologists Interactive Online Learning, Module 17, Product Code #928.

Loucks, R. G., Kerans, Charles, and Janson, Xavier, 2004, Platform-margin, slope, and basinal carbonate depositional environments: American Association of Petroleum Geologists Interactive Online Learning, Module 18, Product Code #929.

Published Abstracts

Keith, B., Price, B., Smolkin, D., Janson, X., and Rendall, B., 2025, Stratal Architecture of a Retreating Mixed Carbonate-Siliciclastic Ramp, Pennsylvanian Strawn Formation, Southeast New Mexico and West Texas, USA Available (ext. abs.): SEPM Short Course Notes, no. 58, http://doi.org/10.2110/sepmscn.058.23.

Loucks, R. G., and Janson, X., 2020, Micropetrography observations of the texture, fabric, TOC, and pore types of the Leonardian Third Bone Spring slope strata on the eastern side of the Delaware Basin (abs.): American Association of Petroleum Geologists Annual Conference and Exhibition 2020 Technical Program.

Zeng, H., Xu, Z., Liu, W., Fu, Q., and Janson, X., 2020, Seismic-informed carbonate shelf-to-basin transition in Cambrian, Tarim Basin, China (ext. abs.): SEG Technical Program Expanded Abstracts 2020, p. 1269-1273, http://doi.org/10.1190/segam2020-3424378.1.

Zeng, H., He, Y., Keran, C., and Janson, X., 2019, Seismic chronostratigraphy: lessons from an outcrop- and well-based seismic modeling of mixed clastic–carbonate strata in the Permian Basin, West Texas and New Mexico (ext. abs.): SEG Technical Program Expanded Abstracts 2019, p. 3825–3829, http://doi.org/10.1190/segam2019-3208102.1.

Zeng, H., He, Y., Kerans, C., and Janson, X., 2018, Outcrop- and well-based seismic models of a carbonate system in Permian Basin: implications for seismic chronostratigraphy (ext. abs.): EAGE annual 2018 conference and exhibition, Copenhagen, Denmark.

Dunlap, D. B., Janson, X., Sanchez-Phelps, C., and Covault, J., 2017, Carbonate channel-levee systems influenced by mass-transport deposition, Browse Basin, Australia (abs.): AGU Fall Meeting, 11-15 December, New Orleans, La.

Janson, X., Kerans, C., Loucks, R. G., Nance, H. S., and Hamlin, H. S., 2017, Spectrum of gravity flow deposits on carbonate slops and basin, Permian Basin, West Texas (abs.): SEPM Mountjoy Carbonate Research Conference, Austin, Texas, p. 102.

Sanchez-Phelps, C., Covault, J., Janson, X., and Dunlap, D. B., 2017, Mixed carbonate-siliciclastic systems: dynamics and controls, Eocene-Oligocene Browse Basin (abs.): AAPG Datapages/Search and Discovery Article #90291.

Soto-Kerans, G., Janson, X., Stockli, D., and Covault, J., 2017, Sediment-routing reconstruction and provenance analysis of syn-orogenic basin fill, Permian (Guadalupian) strata, Southern Delaware Basin (abs.): West Texas Geological Society Fall Meeting.

Zeng, H., Shen, A., Qiao, Z., Loucks, R. G., Janson, X., and Zheng, J., 2016, Predicting thin dolomitized gas reservoirs by integrating outcrop, core, wireline log and 3D seismic data in Permian-Triassic Sichuan Basin, China (abs.): AAPG/SEG International Conference and Exhibition, Barcelona, Spain, 1 p.

Hurd, G. S., Kerans, Charles, Flemings, P. B., Schneider Reece, J., and Janson, Xavier, 2013, Compaction properties of fine-grained carbonate sediments and implications for the Bone Spring and Cutoff Formations (abs.): in American Association of Petroleum Geologists Annual Convention and Exhibition, Pittsburgh, Pennsylvania, May 19–22, abstracts, CD-ROM.

Janson, Xavier, and Lucia, F. J., 2013, Relationship between acoustic and petrophysical properties of Permian grainstones, Lawyer Canyon, Algerita Escarpment, West Texas (abs.): in American Association of Petroleum Geologists Annual Convention and Exhibition, Pittsburgh, Pennsylvania, May 19–22, abstracts, CD-ROM.

Janson, Xavier, Kerans, Charles, Playton, T. E., Clayton, J., Winefield, P., and Burgess, P., 2012, Stratigraphic models and exploration plays of slope and basin-floor carbonates (abs.): American Association of Petroleum Geologists, Annual Convention, Abstract 1236813, 1 p.

Loucks, R. G., Kerans, Charles, and Janson, Xavier, 2012, Mass-transport mechanisms and resulting deposits in a deepwater carbonate debris apron: Lower Cretaceous Tamabra Formation, Poza Rica field area, Mexico (abs.): American Association of Petroleum Geologists, Annual Convention, Abstract 1240695, 1 p.

Playton, T. E., Kerans, Charles, Janson, Xavier, Harris, P. M., and Kenter, Jeroen, 2012, Carbonate slope systems and associated reefs: end-member deposit types, margin styles, and spatial arrangements (abs.): American Association of Petroleum Geologists, Annual Convention, Abstract 1234702, 1 p.

Janson, Xavier, Zeng, Hongliu, Wright, Wayne R., Loucks, R. G., Bonnaffe, Florence, Wang, Q., Xia, X., Wang, C., Li, S., and Yang, T., 2011, Digital outcrop analogues model of Ordovician paleokarst in North-Central Tarim Basin, China (abs.): American Association of Petroleum Geologists Annual Convention & Exhibition Abstracts Volume, v. 20, p. 92.

Titeux, M.- O., Janson, Xavier, Srinivasan, S., and Lake, L. W., 2011, Facies distribution in collapsed carbonate karsts: a mechanical approach (abs.): American Association of Petroleum Geologists Annual Convention & Exhibition Abstracts Volume, v. 20, p. 182.

Winefield, P., Burgess, P., Minzoni, M., Pierson, B., Playton, T. E., and Janson, Xavier, 2011, Deep-water resedimented carbonate exploration play types: controls and models (abs.): American Association of Petroleum Geologists Annual Convention & Exhibition Abstracts Volume, v. 20, p. 196.

Zeng, Hongliu, Loucks, R. G., Janson, Xavier, Wang, Q., Xia, Y., Yuan, B., and Xu, L., 2011, Seismic geomorphology and analysis of the Ordovician paleokarst drainage system in the Central Tabei Uplift, northern Tarim Basin, western China (abs.): American Association of Petroleum Geologists Annual Convention & Exhibition Abstracts Volume, v. 20, p. 203?204.

Janson, Xavier, Kerans, Charles, Loucks, R. G., and Marhx, Alfredo, 2010, Seismic architecture of an Early Cretaceous platform-to-slope system, Santa Agueda and Poza Rica fields, Mexico (abs.): Gulf Coast Association of Geological Societies Transactions, v. 60, p. 805.

Janson, Xavier, Zeng, Hongliu, and Loucks, R. G., 2010, An ultra-deep paleokarst system in the Ordovician, North-Central Tarim Basin, China: outcrop analog and synthetic seismic models (abs.), in GSA Denver Annual Meeting, October 31?November 3, p. 1531?1534.

Loucks, R. G., Kerans, Charles, and Janson, Xavier, 2010, Architecture, lithofacies, and depositional processes in the deepwater Lower Cretaceous (Albian) Tamabra Formation, Poza Rica field area, Mexico (abs.): Gulf Coast Association of Geological Societies Transactions, v. 60, p. 811.

Zeng, Hongliu, Loucks, R. G., and Janson, Xavier, 2010, An ultra-deep paleokarst system in the Ordovician, North-Central Tarim Basin, China: high-resolution 3D seismic interpretation (abs.), in GSA Denver Annual Meeting, October 31?November 3, p. 1526?1530.

Janson, Xavier, and Fomel, S. B., 2009, 3-D seismic expression of karst using 3-D synthetic seismic model of modern analogs (abs.): American Association of Petroleum Geologists Annual Convention, v. 18, p. 107.

Zahm, Chris, Kerans, Charles, and Janson, Xavier, 2009, Integrating fracture systems into a carbonate sequence stratigraphic framework (abs.): American Association of Petroleum Geologists Annual Convention, v. 18, p. 235.

Zahm, Chris, Tsoflias, G. P., Petersen, Kelly, and Janson, Xavier, 2009, Shallow water injection monitoring in vuggy pores using ground-penetrating radar and cross-hole tomography, Pipe Creek, Texas (abs.): American Association of Petroleum Geologists Annual Convention, v. 18, p. 235.

Janson, Xavier, and Kerans, Charles, 2008, Skeletal mound growth model based from examples from the Carboniferous and Middle Cretaceous (abs.): AAPG 2008 Annual Convention and Exhibition Abstracts Volume, v. 17, p. 97.

Kerans, Charles, Playton, Ted, and Janson, Xavier, 2008, Outcrop and subsurface models of Permian slope and basin floor carbonates (abs.): AAPG 2008 Annual Convention and Exhibition Abstracts Volume, v. 17, p. 106.

Playton, T. E., Janson, Xavier, and Kerans, Charles, 2008, Characterization, variations, and controls of reefal carbonate foreslopes (abs.): AAPG 2008 Annual Convention and Exhibition Abstracts Volume, v. 17, p. 161–162.

Janson, Xavier, Simo, Toni, and Nardon, Sergio, 2007, 3D modeling of (Visean-Serpukhovian) Mississippian Mounds, Indian Wells, Sacramento Mountains, New Mexico (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 16, p. 70.

Janson, Xavier, Zeng, Hongliu, Kerans, Charles, Wang, Fred, and Fomel, Sergey, 2007, Using outcrop-based 3D geocellular model as seismic benchmark: prestack seismic modeling of grainstones in Lawyer Canyon (Permian) outcrop, Guadalupe Mountains, New Mexico (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 16, p. 70.

Kendall, C. G. St. C., Shinn, Gene, and Janson, Xavier, 2007, Holocene cyanobacterial mats and lime muds: links to Middle East carbonate source rock potential (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 16, p. 74.

Loucks, R. G., Kerans, Charles, Janson, Xavier, and Marhx, Alfredo, 2006, Origin and organization of mass-transported carbonate debris in the Lower Cretaceous (Albian) Tamabra Formation, Poza Rica field area, Mexico (abs.): American Association of Petroleum Geologists Annual Convention,

v. 15, p. 66.

Tomasso, M., Bonnaffé, F., Pyles, D. R., Janson, X., Bouroullec, R., Jennette, D., Bellian, J. A., and Kerans, C., 2006, Application of seismic forward modeling of detailed outcrop data in improving sub-surface interpretation (abs.): American Association of Petroleum Geologists Annual Convention, v. 15, p. 107.

Zeng, Hongliu, Wang, F. P., Janson, Xavier, and Kerans, Charles, 2006, Seismic detection of vuggy porosity: example from Lawyer Canyon outcrop, New Mexico, U.S.A. (abs.), in Abstracts volume: AAPG International Conference and Exhibition, November 5–8, Perth, Australia, p. 153.

Homewood, Peter, Davies, Quintin, Vahrenkamp, Volker, Janson, Xavier, Grelaud, Carine, Droste, Henk, Razin, Phillippe, Al Ja'Aidi, Omar, Bliefnick, Deborah, and Al bahry, alia, 2005, Improving geological models for redevelopment of old fields: comparison of Natih Formation outcrop and subsurface data, northern Oman (abs.): American Association of Petroleum Geologists Annual Convention abstracts volume, v. 14, p. A63.

Janson, Xavier, 2005, Interaction of tectonism and eustasy in icehouse carbonate buildups and shelf strata, Pennsylvanian Holder Formation, New Mexico (abs.), in Lufholm, Peter, and Cox, Denise, eds., Unconventional reservoirs technology and strategies: alternative perspectives for the Permian Basin: West Texas Geological Society Fall Symposium, October 26–28, Publication #05-115, p. 219.

Janson, Xavier, Kerans, Charles, Bellian, J. A., Phelps, R., Frost, E. L., and Playton, T. E., 2005, Interaction of tectonism and eustasy in icehouse carbonate buildups and shelf strata, Pennsylvanian Holder Formation, New Mexico (abs.): American Association of Petroleum Geologists Annual Convention abstracts volume, v. 14, p. A68.

Kerans, Charles, Bellian, Jerry, Janson, Xavier, Wang, Fred, Lucia, F. J., and Playton, Ted, 2005, Three-dimensional modeling of complex carbonate reservoir analog outcrops using lidar-based templates (abs.), in Lufholm, Peter, and Cox, Denise, eds., Unconventional reservoirs technology and strategies: alternative perspectives for the Permian Basin: West Texas Geological Society Fall Symposium, October 26–28, Publication #05-115, p. 215–217.

Zeng, Hongliu, Wang, Fred, Janson, Xavier, and Kerans, Charles, 2005, Seismic sensitivity of vuggy porosity: example from Lawyer Canyon outcrop, New Mexico (abs.): American Association of Petroleum Geologists Annual Convention abstracts volume, v. 14, p. A140.

Bellian, J. A., Kerans, Charles, Janson, Xavier, and Playton, Ted, 2004, Digital outcrop models (ext. abs.), in Feazel, Chip, Byrnes, Alan, Honefenger, Jim, Leibrecht, Bob, Loucks, Bob, McCants, Steve, and Saller, Art, Carbonate reservoir characterization and simulation: from facies to flow units: American Association of Petroleum Geologists Hedberg Research Conference, El Paso, March 15–18, unpaginated [2 p.]

Bellian, J. A., Kerans, Charles, Jennings, J. W., Jr., Janson, Xavier, and Playton, T. E., 2004, Carbonate digital outcrop modeling (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13.

Janson, Xavier, Gale, J. F., Jennings, J. W., Kerans, Charles, Loucks, R. G., Lucia, F. J., Ruppel, Stephen, and Wang, F. P., 2004, Importance of core in understanding carbonate reservoirs (abs.), in Feazel, Chip, Byrnes, Alan, Honefenger, Jim, Leibrecht, Bob, Loucks, Bob, McCants, Steve, and Saller, Art, Carbonate reservoir characterization and simulation: from facies to flow units: American Association of Petroleum Geologists Hedberg Research Conference, El Paso, March 15–18, unpaginated [1 p.]

Janson, Xavier, Kerans, Charles, Bellian, J. A., Playton, T. E., and Fitchen, W. M., 2004, Outcrop-based 3-D synthetic seismic of Early Permian deep water carbonate deposits, Victorio Canyon, West Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A70.

Janson, Xavier, Kerans, Charles, Loucks, R. G., Sakurai, Shinichi, Wang, F. P., Marhx, Alfredo, and Reyes, Carlos, 2004, Stratigraphic patterns and controls on reservoir quality of the giant Poza Rica field, Albian Cretaceous, Mexico (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A75.

Janson, Xavier, Loucks, R. G., Kerans, Charles, Sakurai, Shinichi, Wang, F. P., Marhx, Alfredo, and Reyes, Carlos, 2004, Karstification of the Lower Cretaceous Tuxpan detached platform, Golden

Lane, Mexico (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A71.

Janson, Xavier, Loucks, R. G., Kerans, Charles, Sakurai, Shinichi, Wang, F. P., Marhx, Alfredo, and Reyes, Carlos, 2004, Stratigraphic and reservoir architecture of the giant Poza Rica field, Cretaceous, Mexico, using seismic facies based on 3D seismic attributes (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13.

Loucks, R. G., Kerans, Charles, Janson, Xavier, Marhx, Alfredo, and Reyes, Carlos, 2004, Depositional facies and reservoir quality of the deep-water, Lower Cretaceous Tamabra carbonate slope reservoir in the Poza Rica field, Mexico (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A87.

Janson, Xavier, Eberli, G., Lomando, A. J., and Bonnaffe, F., 2003, Seismic acquisition and attribute analysis in carbonate systems as viewed through the sedimentologist's eyes from an outcrop perspective (abs.): American Association of Petroleum Geologists International Conference Official Program, p. A45.