

PETER ANTHONY EMMET, PhD

**President and Chief Geoscientist, Brazos Valley GeoServices, Inc.
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**Exploration Geology and Geophysics
2D and 3D Seismic Interpretation, Gravity Modelling, Velocity Modelling
TBPG License No. 5487 (Geophysics), SIPES No. 3436**

Summary: Professional Geologist and Geophysicist since 1984, Consultant since 2002. Interpret high resolution 3D seismic and well log data for prospecting and M&A evaluation, regional 2D PSDM seismic for upstream “frontier” exploration. Adjunct Professor of exploration geophysics since 2012 in the Department of Earth and Atmospheric Sciences, The University of Houston.

Areas of Professional Expertise

Exploration Geophysics

- Focus on interpretation of high resolution 2D and 3D seismic data for HC exploration
- Focus on upstream, frontier basins, using 2D - 3D seismic data and well logs
- Superior application knowledge of IHS Energy “KINGDOM” 2d/3dPAK and EarthPAK
- Regional gravity / magnetics modelling using Geosoft GM-SYS to validate seismic interp.
- Velocity modelling / depth-conversion, CGG VelPro (integrated with seismic projects)

Petroleum Geology

- Fundamental knowledge of mineralogy, petrology, sequence stratigraphy and structural geology, with a focus on field geology and regional tectonics in early career
- Integrate geological/geophysical components of HC systems (source, reservoir, seal)
- Application of rock physics concepts to relate rocks and well logs to seismic data

Seismic Project Management and Data Quality Control

- Superior skills in the creation and management of digital seismic and well log projects
- Effective team player with others, making team effort more efficient and productive

Teaching Experience, Professional Training and Mentoring

- Since 2012 teaching/mentoring graduate students as Adjunct Professor, U of H
- Have served on thesis committees (Capstone, MS, PhD) of dozens of graduate students
- Author of annual presentation to graduate students “Getting a Job in Industry / Being a Consultant”, in UH Earth and Atmospheric Sciences Professional Development Series
- Have taught 100’s of professional training classes for software applications worldwide
- Long-term mentoring, from weeks to months, of many young professional colleagues

Work History in the Petroleum Industry

- 2006-Present **Brazos Valley GeoServices, Inc;** President/Chief Geoscientist: Clients/Projects **Shell International**, 2016-17: Honduras; **USGS**, 2016-17: Carbon Sequestration GoM; **Pacific Rubiales**, 2014-15: Regional seismic interpretation and gravity-magnetics models, Equatorial Brazil and Ucayali and Tumbes basins, Peru; **ION Geophysical**, 2007-14: Digital project creation and management, stratigraphic / structural interpretation for crustal-scale 2D offshore "SPAN" seismic programs; **INPEX**, 2006-12: Seismic interpretation, business development for US GoM, Burgos basin, Mexico, and expat staffing for Suriname exploration projects; **Petroleum Geo-Services**, 2006-11: Business development and interpretation, Honduras; **JGI Inc**, 2006-08: Business development and interpretation services, Honduras; **Scotia Waterous-KNOC**, 2008: M&A evaluation of offshore Peru.
- 2002-2005 **Brazos Valley Services;** Sole Proprietor: Clients/Projects: **Seismic Micro-Technology, Inc**, 2002-05: Consulting software trainer and principal technical, training and business liaison for SMT accounts in Latin America, Denver and Calgary; **The Scotia Group**, 2005: Chicontepec field study, Mexico; **Gaffney Cline Associates:** offshore Peru, 2004; **BHP Billiton Petroleum**, 2003: Orange River basin, South Africa.
- 1998-2002 **Pluspetrol International, Inc;** Staff Geophysicist, New Ventures Group, Houston: Evaluation of blocks in North Africa and Latin America. 2D seismic processing QC and interpretation of Block CAA-38 (Malvinas basin, Argentina) and cross section balancing, Camisea block, Peru.
- 1997-1998 **Brazos Valley Services;** Sole Proprietor: Geophysical and geological workstation training performed under contract to Landmark Graphics Corp.
- 1995-1997 **Landmark Graphics Corp;** Geophysical Applications Specialist: Certified Trainer for all Landmark geophysical applications. Training was performed worldwide (taught courses in Spanish at Latin America venues).
- 1992-1994 **Arco International Oil and Gas Company;** Exploration Geophysicist, Evaluated blocks in West Africa and Latin America exploration groups: Included 1 month training assignments in 3D seismic acquisition and 2D seismic processing.
- 1987-1989 **Marathon Oil Company,** Geophysicist; Special Geophysical Projects Group: Gravity and magnetic depth-to-basement studies in Khartoum basin, Sudan, Ucayali basin, Peru and Point Arena basin, offshore California.
- 1984-1987 **Aero Service Division, Western Geophysical Company;** Structural Geologist and Geophysicist: Lead in country-wide depth-to-basement studies of Costa Rica and Honduras. Country-wide assessment of hydrocarbon potential of Honduras with Litton Resource Group (Aero Service, Western Geophysical and Core Labs). Performed regional aeromagnetic studies of northern Alaska, Mexico (Yucatán-Campeche areas), Ecuador, Brazil, and Indonesia.

Teaching and Academic Research:

Adjunct Professor, The University of Houston, since 2012 (exploration geophysics)
Research Associate, The University of Houston, 2011-2013 (Carib Basins Tectonics HCs; CBTH)
Research Associate, The University of Texas at Austin, 2002, 2007-2010 (CBTH)
Adjunct Professor, Cy-Fair College, 2004 - 2005 (Physical Geology)

Academic Degrees:

PhD Geology and Geophysics, Rice University, 1996
MA Geology, The University of Texas at Austin, 1983
BS (Honors) Geology, The University of California at Davis, 1978

Professional Affiliations:

AAPG (since 1978)
HGS (since 1984; Chair, International Exploration Group: 1986-1988)
GSH (since 1984; Chairman, Potential Fields Group: 1988-1989)
SEG (since 1992)
AIPN (since 2007)
SIPES (since 2015)

Summary of Publications (full listing appended below):

Co-author of 8 peer-reviewed articles ([blue](#)) published by Geological Society of London, Geological Society of America, The Leading Edge and Alaska Geological Society, on topics including tectonics, structural geology, stratigraphy and hydrocarbon potential of basins including Chukchi Sea and Prince William Sound (Alaska), Mackenzie Delta (Canada), and Honduras (Central America).

Sole or first-author of 21 abstracts or thesis studies, and co-author of 39 additional abstracts for oral or poster presentations to AAPG, CSPG Gussow, AGU, GSA Penrose, IPA, Geophysical Society of Houston, Houston Geological Society and other venues on tectonics, structural geology, stratigraphy and hydrocarbon potential of Northeast Greenland, Nicaragua Rise (Caribbean), Honduras (Central America), East Java Sea and Arafura Sea (Indonesia), Northwest Shelf and Southern Bight (Australia), Somali basin (East Africa), Malvinas basin (Argentina), Offshore Peru, and Costa Rica.

[Peer-Reviewed Journal Articles \(blue\)](#) and Abstracts for oral and poster sessions

[Cornelius, S. L., and Emmet, P.A., in press, Geological 3D Velocity Model in Keathley Canyon and Walker Ridge, Gulf of Mexico, The Leading Edge \(to be published Feb 2018\).](#)

Duenas, C.R., **Emmet, P.A.**, and Wellner, J.S., 2017, Stratigraphic Reanalysis of Seismic Data of Northern Brooks Range Alaska: Comparison of Unit Volumes and Slopes, poster session at the annual meeting of the American Association of Petroleum Geologists, Houston.

Granath, J.W., Rango, R., **Emmet, P.A.**, Ford, C., Lambert, R. and Kasli, M., 2016, New viewpoint on the geology and hydrocarbon prospectivity of the Seychelles Plateau, at the American Association of Petroleum Geologists African Energy and Technology Conference, Nairobi.

Robla, V.M., Sager, W.W., and **Emmet, P.A.**, 2016, Structure of the western Gulf of Mexico salt canopy surface imaged by regional multichannel seismic data, poster session presented at the annual meeting of the American Geophysical Union, San Francisco.

Sanchez, Javier, Mann, Paul, and **Emmet, P.A.**, 2015, Late Cretaceous-Cenozoic tectonic transition from collision to transtension, **Honduran Borderlands and Nicaraguan Rise**, northwestern Caribbean plate boundary in Nemcok, M., Rybar, S., Sinha, S. T., Hermeston, S. A. & Ledvenyiova, L. (eds) Transform Margins: Development, Controls and Petroleum Systems. Geological Society, London Special Publications, 431, Geological Society, London, Special Publications, v. 431, <http://doi.org/10.1144/SP431.3>

Pindell, J.P., Graham, Rod, and **Emmet, P.A.**, 2013, Comparative variations in structural and magmatic style along Eastern South America, Trinidad to Argentina, as revealed by long offset 2D seismic data, American Association of Petroleum Geologists International Meeting, Cartagena, September 2013 (oral session).

Sanchez, C.J., Mann, Paul, and **Emmet, P.A.**, 2013, Late Cretaceous to Cenozoic deformation at North American-Caribbean plate boundary in Northern Central America and its effects on the origin and migration of hydrocarbons, American Association of Petroleum Geologists Annual Meeting, May 2013, Pittsburg (poster session).

McDonough, K.J., Bouanga, E., Pierard, C., Horn, B., **Emmet, P.A.**, Gross, J., Danforth, A., Sterne, N., and Granath, J., 2013, Wheeler-transformed 2D seismic data yield fan chronostratigraphy of offshore Tanzania, The Leading Edge, Special Section: Chronostratigraphy, p. 162-170, February 2013.

Emmet, P.A., Kumar, N., Helwig, J.A., and Dinkelman, M.G., 2012, New understanding of petroleum systems of continental margins of the world, oral session presented to 32nd Annual GCSSPM Foundation Perkins Conference, Dec 3, 2012, Houston, Texas.

Whittaker, R.C., Dinkelman, M.G., **Emmet, P.A.**, and Granath, J.W., 2012, The structural and stratigraphic development of the NE Greenland margin interpreted from new deep, long-offset, seismic data, American Association of Petroleum Geologists Annual Meeting, Long Beach, April 2012 (oral session).

Helwig, J.A., **Emmet, P.A.**, Kumar, Naresh, and Dinkelman, M.G., 2012, Tectonic and stratigraphic highlights of an emerging major hydrocarbon province, offshore Mackenzie Delta, Canadian Beaufort Sea, American Association of Petroleum Geologists Annual Meeting, Long Beach (poster session).

Kumar, Naresh, Helwig, J.A., **Emmet, P.A.**, and Dinkelman, M.G., 2012, Tulluk High: An Inverted Multifold Structure and Potential Giant Megapropect, Offshore Mackenzie Delta, Canadian Beaufort Sea, AAPG Annual Meeting, Long Beach, California, April 2012 (oral session).

Helwig, J.A., Whittaker, R.C., Dinkelman, M.G., **Emmet, P.A.**, and Bird, D., 2012, Interpretation of Tectonics of Passive Margin of NE Greenland from New Seismic Reflection Data and Geological-Geophysical Constraints, oral presentation at Conjugate Margins III Conference, August 2012, Dublin, Ireland

Kumar, N., Granath, J.W., **Emmet, P.A.**, Helwig, J.A. and Dinkelman, M.G., 2011. Stratigraphic and tectonic framework of the US Chukchi Shelf: exploration insights from a new regional deep-seismic reflection survey. In: Spencer, A.M., Embry, A.F., Gautier, D.L., Stoupakova, A.V. & Sørensen, K. (eds) Arctic Petroleum Geology. Geological Society, London, Memoirs, 35, p. 501-508. DOI: 10.1144/M35.33.

Helwig, J., Kumar, N., **Emmet, P.A.**, and Dinkelman, M.G., 2011. Regional seismic interpretation of crustal framework, Canadian Arctic passive margin, Beaufort Sea, with comments on petroleum potential. In: Spencer, A. M., Embry, A. F., Gautier, D. L., Stoupakova, A. V. & Sørensen, K. (eds) Arctic Petroleum Geology. Geological Society, London, Memoirs, 35, 527–543. DOI:10.1144/M35.35

Dinkelman, M.G., Bird, Dale, Helwig, J.A., **Emmet, P.A.**, and Kumar, Naresh, 2011, Integration of new seismic and gravity data provide an improved picture of the Canadian Arctic continental margin from the Mackenzie Delta into the M'Clure Strait, 3P Arctic Conference, Halifax, Nova Scotia, August 2011

Whittaker, R.C., Dinkelman, M.G., **Emmet, P.A.**, and Granath, J.W., 2011, The NE Greenland shelf : Full crustal imaging of salt tectonics and the Wandel Sea mobile belt, poster presentation on 10 May 2011 at the Canadian Society of Petroleum Geologists annual meeting, Calgary

Dinkelman, M.G., **Emmet, P.A.**, Helwig, J.A. and Kumar, N., 2011, BeaufortSPAN East Phase IV illuminates deep rift architecture of the Canada basin, poster presentation on 11 May 2011 at the Canadian Society of Petroleum Geologists annual meeting, Calgary.

Emmet, P.A., Kumar, N., Helwig, J.A. and Dinkelman, M.G., 2011, Beaufort-Mackenzie basin offshore shelf and slope: Vast, mostly untested, potential of Oligocene and younger sequences, oral presentation on 11 Apr 2011 at the Annual Meeting of the American Association of Petroleum Geologists, Houston.

Emmet, P.A., Mann, Paul, and Roberson, R., 2011, Nicaraguan Rise offshore Honduras: Upper Cretaceous source rock may contribute to a proven Eocene hydrocarbon system at Main Cape-1, Mosquitia basin, poster presentation on 12 Apr 2011 at the Annual Meeting of the American Association of Petroleum Geologists, Houston.

Dinkelman, M.G., Granath, J.W., Christ, J.M., **Emmet, P.A.**, and Bird, D., 2010, Full 40 km crustal reflection seismic datasets in several Indonesian basins, poster presentation at the annual meeting of the American Geophysical Union, 09 Dec 2010, San Francisco.

Granath, J.W., Christ, J.M., Dinkelman, M.G., **Emmet, P.A.**, and Bird, D., 2010, Full crustal 40 km PSDM seismic profiling ("BightSPAN™") of the Ceduna sub-basin, Great Australian Bight margin of South Australia, poster presentation at the annual meeting of the American Geophysical Union, 09 Dec 2010, San Francisco.

Helwig, J.A., Ady, B., Kumar, N., Granath, J.W., Dinkelman, M.G., Bird, D., and **Emmet, P.A.**, 2010, Reconstructing conjugate margins of the Canada-Amerasian basin: New tectonic constraints from deep seismic data and gravity profiles, poster presentation at the annual meeting of the American Geophysical Union, 09 Dec 2010, San Francisco.

Dinkelman, M.G., Helwig, J.A., Kumar, N., **Emmet, P.A.**, Granath, J.W., and Bird, D., 2010, Crustal architecture of the Arctic margin, Beaufort Sea, Canada: The pivotal junction of the American cordillera with the Arctic Ocean basin at the Mackenzie River delta: oral presentation at the Geological Society of America Penrose Conference on the Tectonic Development of the Amerasian basin, 04-09 Oct 2009, Banff.

Emmet, P.A., Kumar, N., Dinkelman, M.G., and Helwig, J.A., 2010, Tectonic framework and regional seismic expression of exploration plays, Canadian Beaufort Sea, oral presentation on 13 Sep 2010 at the International Meeting of the American Association of Petroleum Geologists, Calgary.

Granath, J.W., Christ, J., **Emmet, P.A.**, and Dinkelman, M.G., 2010, Insights into the tectonics of Eastern Indonesia from the ArafuraSPAN, a long-offset long-record 2D seismic reflection data set, oral presentation at the Indonesia Petroleum Association Thirty-Fourth Annual Convention and Exhibition, Jakarta, May 2010.

Granath, J.W., Christ, J., **Emmet, P.A.**, and Dinkelman, M.G., 2010, Pre-Tertiary of the East Java Sea revisited: A stronger link to Australia, poster presentation at the Indonesia Petroleum Association Thirty-Fourth Annual Convention and Exhibition, Jakarta, May 2010.

Helwig, J.A., Kumar, Naresh, **Emmet, P.A.**, and Dinkelman, M.G., 2010, Three Segments of the Arctic Continental Margin, Beaufort Sea, Canada: Deep Seismic Profiles of Crustal Architecture, GeoCanada Decadal Meeting, Calgary (oral session).

Kumar, Naresh, Helwig, J.A., **Emmet, P.A.**, and Dinkelman, M.G., 2010, Tectonic and stratigraphic interpretation of a new regional deep-seismic reflection survey offshore Banks Island: a potential new hydrocarbon province in the Canadian Arctic, GeoCanada Decadal Meeting, Calgary (oral session).

Emmet, P.A., and Mann, Paul, 2010, Early Cenozoic Rift Inversion: Key to Understanding the Structural Framework and Petroleum Potential of the Nicaraguan Rise; oral presentation on 12 Apr 2010 at the Annual Meeting of the American Association of Petroleum Geologists, New Orleans.

Rogers, R.D., and **Emmet, P.A.**, Middle Jurassic – Early Cretaceous rifting on the Chortis Block in Honduras: Implications for proto-Caribbean opening, invited oral presentation at the Fall meeting of the American Geophysical Union, Dec 2009.

Dinkelman, M.G., Granath, J.W., Bird, D., Helwig, J.A., Kumar, N., and **Emmet, P.A.**, 2009, Deducing the brittle-ductile transition in continental crust through deep, long-offset, 2D PSDM seismic data, poster presentation on 15 Nov 2009 at the International Meeting of the American Association of Petroleum Geologists, Rio de Janeiro.

Granath, J.W., Christ, J., **Emmet, P.A.**, and Dinkelman, M.G, 2009, Pre-Tertiary sedimentary section and structure as reflected in the JavaSPAN crustal-scale PSDM seismic survey, and its implications regarding the basement terranes in the East Java Sea, oral presentation 15 Sep 2009 at Southeast Asia Gateway Evolution conference, Royal Holloway University, UK.

Dinkelman, M.G., Granath, J.W., **Emmet, P.A.**, Christ, J., 2009, Crustal provinces of the East Java Sea-Makassar Strait region from long-offset crustal-scale 2D seismic reflection imaging, poster presentation 15 Sep 2009 at Southeast Asia Gateway Evolution conference, Royal Holloway University, UK.

Emmet, P.A., and Mann, Paul, 2009, Hydrocarbon Potential of the Nicaraguan Rise Based on Reevaluation of Vintage Seismic and Well Data from the 1970's and 1980's; poster presentation 08 Jun 2010 at Annual Meeting of the American Association of Petroleum Geologists, Denver.

Granath, J.W., **Emmet, P.A.**, and Dinkelman, M.G, 2009, Crustal architecture of the East Java Sea-Makassar Strait region from long-offset crustal-scale 2D seismic reflection imaging, poster presentation at the Indonesia Petroleum Association Thirty-Third Annual Convention and Exhibition, Jakarta, May 2009 (IPA09-G-047).

Dinkelman, M.G., Helwig, J.A, Kumar, Naresh, **Emmet, P.A.**, Granath, J.W., and Bird, Dale, 2009, Crustal architecture of the Arctic margin, Beaufort Sea, Canada: The pivotal junction of the American Cordillera with the Arctic Ocean basin at the Mackenzie River delta, Geological Society of America Penrose Conference "Tectonic Development of the Amerasian basin", Banff (oral and poster sessions).

Emmet, P.A., Granath, J.W., and Dinkelman, M.G, 2009, Pre-Tertiary "keels" provide insights into the assembly of basement terranes and present-day petroleum systems of the East Java Sea, poster presentation at the Indonesia Petroleum Association Thirty-Third Annual Convention and Exhibition, Jakarta, May 2009 (IPA09-G-046).

Dinkelman, Kumar, N., Helwig, J.A., **Emmet, P.A.**, and Granath, J.W., 2008, Crustal and petroleum framework of the Beaufort-Mackenzie basin as interpreted from 9 km, long-offset, ArcticSPAN 2D seismic data, oral presentation on 27 Oct 2008 at the International Meeting of the American Association of Petroleum Geologists, Capetown.

Emmet, P.A., Granath, J.W., and Dinkelman, 2008, Basement controls on evolution of inversion structures, East Java Sea, poster presentation on 27 Oct 2008 at the International Meeting of the American Association of Petroleum Geologists, Capetown.

Dinkelman, M.G., Granath, Kumar, N., and **Emmet, P.A.**, 2008, Crustal and petroleum framework of the US Chukchi shelf as interpreted from 9 km, long-offset, ArcticSPAN 2D seismic data, oral presentation on 28 Oct 2008 at the International Meeting of the American Association of Petroleum Geologists, Capetown.

Dinkelman, M.G., Kumar, Naresh, Helwig, J.A., **Emmet, P.A.**, and Granath, J.W., 2008, Highlight of Petroleum and Crustal Framework of the Beaufort-Mackenzie basin: Key results from

BeaufortSPAN East Phases I and II surveys, Canadian Society of Exploration Geophysicists, focus article in the September 2008 CSEG "Recorder", p. 22-25.

Dinkelman, M.G., Granath, J.W., **Emmet, P.A.**, and Bird, D., 2008, Deep crustal structure of East Java Sea back-arc region from long-cable 2D seismic reflection data integrated with potential fields data, poster presentation at the Indonesia Petroleum Association Thirty-Second Annual Convention and Exhibition, Jakarta, May 2008.

Dinkelman, M.G., Kumar, N., Granath, J.W., **Emmet, P.A.**, and J.A. Helwig, 2008, Seismic architecture of a short-lived, small ocean basin – the Somali basin – as illustrated in long-offset crustal-scale reflection profiling, oral presentation on 20 Aug 2008 at the Rifts Renaissance conference, Houston.

Emmet, P.A., 2008, Petroleum Geology of the Nicaragua Rise; Invited talk presented on 26 Mar 2008 at the 18th Caribbean Geological Conference, Santo Domingo, Dominican Republic.

Dinkelman, M.G., Helwig, J.A., Kumar, N., and **Emmet, P.A.**, 2007, Stratigraphic and tectonic framework of the Beaufort-Mackenzie basin: Insights from 9-km long-offset ArcticSPAN 2D seismic data, poster presentation on 17 Oct 2007 at the CSPG Gussow Geoscience Conference, Banff.

Dinkelman, M.G., Granath, J.W., Kumar, **Emmet, P.A.**, N., Bird, D., and Helwig, J.A., 2007, Stratigraphic and tectonic framework of the US Chukchi shelf: Insights from 9-km long-offset ArcticSPAN 2D seismic data, poster presentation on 17 Oct 2007 at the CSPG Gussow Geoscience Conference, Banff.

Rogers, R.D., Mann, P., and **Emmet, P.A.**, 2007, Tectonic terranes of the Chortis block based on integration of regional aeromagnetic and geologic data: submitted to Geological Society of America Special Paper No 428, Geologic and Tectonic Development of the Caribbean Margin in Northern Central America (34 pages of text, 9 figures, 3 tables).

Rogers, R.D., Mann, P., **Emmet, P.A.**, and Venable, M.M., 2007, Colon fold belt of Honduras: Evidence for Late Cretaceous collision between the continental Chortis block and intraoceanic Caribbean arc: submitted to Geological Society of America Special Paper No 428, Geologic and Tectonic Development of the Caribbean Margin in Northern Central America (33 pages of text, 10 figures, 2 tables).

Emmet, P.A., Ghazi, T., Hickman, R.G., Granata, G.W., Callejon, A., and Slot, M., 2005, New Exploration Opportunities in offshore Peru; Proceedings 5th INGEPET International Seminar on Exploration and Production of Oil and Gas, Lima, Peru, p. 24-25.

Hickman, R.G., **Emmet, P.A.**, Ghazi, T., Granata, G.W., Callejon, A., Slot, M. and Bolanos Z., R, 2005, Basins of Offshore Peru: New exploration framework and plays (abst); Newsletter of the Houston Geological Society, v. 48, n. 1, p. 15-17 (<http://www.hgs.org/en/cev/?461>)

Ghazi, Tarek, **Emmet, P.A.**, Hickman, R.G., Granata, G.W., Callejon, A., and Slot, M., 2004, New genetic framework and new plays in offshore Peru (abst); Geophysical Society of Houston Newsletter, v. 30, n. 3, p. 1 and 10 (<http://www.gshtx.org/en/cev/?101>)

Emmet, P.A., 2002, Structure and stratigraphy of the Gracias a Dios platform and Mosquitia basin, offshore eastern Honduras, and implications for the tectonic history of the Chortis block (extended abstract with figures) presented at Caribbean Workshop, The University of Texas Institute for Geophysics, Austin, Texas, 20 September 2002 (http://www.ig.utexas.edu/CaribPlate/forum/emmet/emmet_abstract.htm)

Emmet, P.A., 2002, Megasequences of the northern Malvinas basin, offshore Argentina, with special emphasis on the Paleogene; invited oral presentation: "VailFest" in honor of the professional career of Peter Vail, Rice University, 09 March 2002.

Emmet, P.A. and Bally, A.W., 1996, Evolution of Cenozoic inversion structures, East Java Sea, Indonesia (abst): American Association of Petroleum Geologists Meeting, San Diego.

Emmet, P.A. and Vail, P.R., 1996, Cenozoic inversion structures, East Java Sea, Indonesia: Can tectonic and eustatic influences on stratal architecture be distinguished? (abst): American Association of Petroleum Geologists Annual Meeting, San Diego.

Emmet, P.A., 1996, Evolution of Cenozoic inversion structures, Western Flores Sea, Indonesia: PhD thesis, Rice University, Houston, 277 p.

Emmet, P.A., White, R.J., Logan, W.S., and Curry, R.P., 1992, Measured stratigraphic sections, biostratigraphy and sequence stratigraphy of Mesozoic strata in the Agalteca quadrangle, Honduras (abst): Geol. Society of America Abstracts With Programs, v. 24, n. 1, p. 10.

[Bartek, L.R., Vail, P.R., Anderson, J.B., Emmet, P.A. and Wu, S., 1992, The effect of Cenozoic ice sheet fluctuations in Antarctica on the sequence stratigraphic signature of the Neogene: Journal of Geophysical Research, v. 96, n. B4, p. 6753-6778.](#)

Emmet, P.A., Hedberg, J.D., McIver, N.L., and Tyrrell, Jr., W.W., 1988, Major new foreign exploration plays during 1983-1987 (abst): American Association of Petroleum Geologists Bulletin, v. 72, n. 2, p. 182.

Sheehan, C.A., Penfield, G.T., Yalamanchili, S.V., Taylor, C., and **Emmet, P.A.**, 1988, Integration of geological, geophysical and remotely-sensed data for evaluation of hydrocarbon potential of Costa Rica (abst): Summaries, Sixth Thematic Conference on Remote Sensing for Exploration Geology, Environmental Research Institute of Michigan (ERIM), Ann Arbor, p. 72-73.

Emmet, P.A., 1987, Overview of the tectonics of Honduras (abst): Houston Geological Society Bulletin, v. 29, n. 5, p. 7.

Emmet, P.A., 1986, Major structures and base metal potential of central and western Honduras clarified by radar analysis and new geologic compilation (abst): Geological Society of America Abstracts With Programs, v. 18, n. 6, p. 594-595.

DeBuyl, M., Sherwood, J.R., Penfield, G.T., **Emmet, P.A.**, Swetland, P.J., Cromer, D.K. and Gibson, L.B., 1986, Hydrocarbon potential of Honduras (abst): Proceedings of the 11th Caribbean Geological Conference, Bridgetown, Barbados.

Emmet, P.A., 1983a, Neogene rejuvenation of a Laramide wrench fault as a dextral transform to the Honduras Depression (abst): Geological Society of America Abstracts With Programs, v. 15, n. 6, p. 567.

Emmet, P.A., 1983b, Geology of the Agalteca quadrangle, Honduras, Central America: Masters Thesis, The University of Texas at Austin, 203 p.

Helwig, J.A., and **Emmet, P.A.**, 1981, Structure of the early Tertiary Orca Group in Prince William Sound and some implications for the plate tectonic history of southern Alaska: [Journal of the Alaska Geological Society](#), v. 1, n. 1, p. 12-35.

Helwig, J.A., and **Emmet, P.A.**, 1979, Sandstones from the St. George C.O.S.T.-1 well, Bering Sea, Alaska: A case study of the compaction of deformable-grained sandstones; ARCO Geological Sciences Group Report 855-C.