

## Curriculum Vitae

**Dale Edward Bird**

16903 Clan Macintosh, Houston, Texas 77084

713-203-1927, [dale@birdgeo.com](mailto:dale@birdgeo.com)

### EDUCATION

**Doctor of Philosophy**, Geophysics, University of Houston, Houston, Texas, May 2004

**Master of Science**, Geophysics, University of Houston, Houston, Texas, December 1991

**Bachelor of Science**, Geophysics, University of Houston, Houston, Texas, August 1986

**Imagery Interpretation and Photogrammetry**, U.S. Army Intelligence Center and School, Fort Huachuca, Arizona, April 1977

### AWARDS

**Champion, Class C**, U.S. Chess Federation, 2012 (1<sup>st</sup> place, tie)

**Bonarelli Award**, Best oral presentation, EAGE 72<sup>nd</sup> Annual Conference, European Association of Geoscientists & Engineers, Barcelona, 2011

**Outstanding Student**, Houston Geological Society, 2002

### APPOINTMENTS

**Research Associate Professor**, University of Houston, Department of Earth & Atmospheric Sciences, Houston, Texas, 2014-present; **Adjunct Professor** (same duties, 2005-2014)

- Lecturer: Graduate-level semester courses, and short courses for industry and University of Houston's Professional Masters programs.
- Researcher: Collaborate with colleagues and serve on graduate student research committees.
- Research interests: Gravity and magnetic applications to regional geologic and tectonic scale studies, especially along continental margins and tectonic plate boundaries.

**Scientific Advisor, iGoM (Igneous rocks of the Gulf of Mexico)** industry consortium, University of Houston, Department of Earth & Atmospheric Sciences, Houston, Texas, 2014-2017

- Igneous rocks, from outcrop to basement and upper mantle, were studied and synthesized with geological and geophysical data to examine the basin architecture and evolution of the Gulf of Mexico.
- Key contact for financial and in-kind sponsors.

**PROFESSIONAL GEOPHYSICIST**, Texas Board of Professional Geoscientists, License Number 1803

## WORK EXPERIENCE

**Sole Proprietor:** Bird Geophysical, Houston, Texas, 1997-present, [www.birdgeo.com](http://www.birdgeo.com)

- Consultancy providing potential fields data interpretation and educational services to the petroleum exploration industry.
- Short courses: gravity and magnetic data interpretation.
- Non-exclusive studies include: Gulf of Mexico, western Caribbean, and Southeast Asia (two phases: Sunda Shelf and South China Sea).
- Non-exclusive data sets include: Global Seismic refraction Catalog (GSC), and reformatted and reprocessed GEODAS open-file marine gravity and magnetic data, six areas: 1) Gulf of Mexico, 2) Caribbean, 3) Brazil & Argentina, 4) West Africa, 5) East Africa, and 6) India.

**General Manager, Hydrocarbons:** Aerodat, Inc., Houston, Texas, 1994-1997

- Established and managed the Houston office for an airborne geophysical survey company headquartered in Toronto Canada.
- Expanded the scope of the company's activities in the oil and gas industry worldwide including aeromagnetic surveys in North America, South America and Africa.

**Chief Geophysicist, Americas:** World Geoscience, Inc., Houston, Texas, 1992-1994

- Key marketer in North and South America for an airborne geophysical survey company headquartered in Perth Australia.

**Geophysicist:** Marathon Oil Company, Houston, Texas, 1989-1992

- Reprocessed 2D and 3D seismic reflection lines for Amplitude-Versus-Offset (AVO) analyses.
- Integrated seismic reflection and potential fields data with geologic information for oil and gas exploration, domestic and international.

**Geophysicist:** Digicon, Inc., Houston, Texas, 1988-1989

- Participated in all phases of processing 2D and 3D marine seismic reflection data.

**Geophysicist:** Aero Service Division, Western Atlas International, Houston, Texas, 1981-1988

- Interpreted aeromagnetic data for petroleum exploration.
- Compiled and processed aeromagnetic data, and marine seismic reflection navigation data.

**Imagery Interpreter (MOS: 96D):** U.S. Army, 1<sup>st</sup> Military Intelligence Battalion, Fort Bragg, North Carolina, Sep. 7, 1976 – Sep. 6, 1979 (Honorable Discharge, Rank SP4)

- Debriefed flight personnel and analyzed various airborne imageries, including radar, infrared, and several photographic formats.
- Studied imagery for terrain characterization and cultural identification using photogrammetric measurements.
- Prepared and delivered intelligence reports, providing timely and concise knowledge of enemy equipment locations.

**ASSOCIATIONS – MEMBERSHIP**

AAPG	American Association of Petroleum Geologists
AGU	American Geophysical Union
EAGE	European Association of Geoscientists and Engineers
GSA	Geological Society of America
GSH	Geophysical Society of Houston
HGS	Houston Geological Society
NESA	National Eagle Scout Association (Eagle Rank: Council 255, Troop 272, 1973)
SEG	Society of Exploration Geophysicists

**ASSOCIATIONS – SERVICE**

2018-present	AGU-SEG	Liaison	ASCC b/o Gravity and Magnetism Committee
2020-2022	AGU-SEG	Chair (SEG)	AGU-SEG Collaboration Committee (ASCC)
2006-2007	HGS	Chair	International Explorationists Group
2004-2006	GSH	Chair	Potential Fields Group
1998-2000	SEG	Chair	Gravity and Magnetism Committee
1994-1995	GSH	Editor	
1991-1993	GSH	Chair	Potential Fields Group

**PUBLICATION – BOOK**

Currently writing a text / reference book (sole author) entitled, *Basin Studies: Gravity and magnetic data interpretations*: Cambridge University Press, estimated publication 2025.

**PUBLICATIONS - THESES**

- Bird, D. E., 2004, Jurassic tectonics of the Gulf of Mexico and central Atlantic Ocean: Ph.D. Dissertation, University of Houston, 173 p.
- Bird, D. E., 1991, An integrated geophysical interpretation of the Grenada Basin: M.S. Thesis, University of Houston, 316 p.

**PUBLICATIONS – PEER REVIEW**

- Zhang, H., and Bird, D. E., 2023, Detecting hypogenic karst features in the northeastern Delaware Basin, west Texas: Applications of Full Tensor Gradient (FTG) gravity data: *Journal of Applied Geophysics*, v. 208, 104889.
- Chen, Y. -W., Colli, L., Bird, D. E., Wu, J., and Zhu, H., 2021, Caribbean plate tilted and actively dragged eastwards by low-viscosity asthenospheric flow: *Nature Communications*, v. 12, n. 1, p. 1-9.
- Zhang, H., Mann, P., Bird, D. E., and Rudolph, K., 2021, Integration of regional gravity modeling, subsidence analysis, and source rock maturity data to understand the tectonic and hydrocarbon evolution of the Permian Basin, West Texas: *Interpretation*, v. 9, n. 1, p. T161-T181.
- Sun, L., Mann, P., and Bird, D. E., 2020, Integration of tectonic geomorphology and crustal structure across the active oblique collisional zone on the island of Hispaniola, northeastern Caribbean: *in*, Davison, I., Hull, J. N. F., and Pindell, J. (editors), *The basin, orogens and evolution of the*

- southern Gulf of Mexico and northern Caribbean*: Geological Society, London, Special Publications, v. 504, p. 379-400.
- Lin, P., Bird, D. E., and Mann, P., 2019, Crustal structure of an extinct, late Jurassic-to-earliest Cretaceous spreading center and its adjacent oceanic crust in the eastern Gulf of Mexico: *Marine Geophysical Researches*, v. 40, n. 3, 395-418.
- Gomez, S., Bird, D., and Mann, P., 2018, Deep crustal structure and tectonic origin of the Tobago – Barbados ridge: Interpretation, v. 6, n. 2, p. T471-T484.
- Hall, S. A., Bird, D. E., McLean, D. J., Towle, P. J., Grant, J. V., and Danque, H. A., 2018, New constraints on the age of the opening of the South Atlantic basin: *Marine and Petroleum Geology*, v. 95, p. 50-66.
- Bird, D. E., and Hall, S. A., 2016, Early seafloor spreading in the South Atlantic: new evidence for M-series magnetochrons north of the Rio Grande Fracture Zone: *Geophysical Journal International*, v. 206, p. 835-844.
- Nguyen, L. C., Hall, S. A., Bird, D. E., and Ball, P. J., 2016, Reconstruction of the East Africa and Antarctica margins: *Journal of Geophysical Research*, v. 121, p. 4156-4179.
- Kumar, N., Danforth, A., Nuttall, P., Helwig, J., Bird, D. E., and Venkatraman, S., 2012, From oceanic crust to exhumed mantle: A 40 year (1970-2010) perspective on the nature of crust under the Santos Basin, SE Brazil: *in*, Mohriak, W., Danforth, A., Post, P. J., Brown, D. E., Tari, G. C., Nemcok, M., and Sinha, S. T. (editors), *Conjugate divergent margins*: Geological Society, London, Special Publications, v. 369, p. 147-165.
- Bird, D. E., Burke, K., Hall, S. A., and Casey, J. F., 2011, Tectonic evolution of the Gulf of Mexico basin: *in*, Buster, N. A., and Holmes, C. W. (editors), *The Gulf of Mexico origin, waters, and biota*: Texas A&M University Press, Tunnell, J. W., Felder, D. L., and Earle, S. A. (series editors), *Geology*, v. 3, p. 3-16.
- Bird, D. E., Hall, S. A., Burke, K., Casey, J. F., and Sawyer, D. S., 2007, Early Central Atlantic Ocean seafloor spreading history: *GeoSphere*, v. 3, p. 282-298.
- Bird, D. E., Burke, K., Hall, S. A., and Casey, J. f., 2005, Gulf of Mexico tectonic history: Hotspot tracks, crustal boundaries, and early salt distribution: *American Association of Petroleum Geologists Bulletin*, v. 89, p. 311-328 (Cover – March issue).
- Steffens, G. S., Biegert, E. K., Sumner, H. S., and Bird, D. E., 2003, Quantitative bathymetric analyses of selected deepwater siliciclastic margins: receiving basin configurations for deepwater fan systems: *Marine and Petroleum Geology*, v. 20, p. 547-561.
- Bird, D. E., Hall, S. A., Casey, J. F., and Millegan, P. S., 1999, Tectonic evolution of the Grenada Basin: *in*, Mann, P. (editor), *Caribbean Basins*: Elsevier Science B. V., Hsu, K. J. (series editor), *Sedimentary Basins of the World*, v. 4, p. 389-416.
- Bird, D. E., Hall, S. A., Casey, J. F., and Millegan, P. S., 1998, Interpretation of magnetic data at low latitudes: potential pitfall: *in*, Gibson, R. I., and Millegan, P. S. (editors), *Gravity and Magnetic Exploration Case Histories*: American Association of Petroleum Geologists Studies in Geology, n. 43 and Society of Exploration Geophysicists Geophysical Reference Series, n. 8, p. 53-57.
- Millegan, P. S., and Bird, D. E., 1998, How basement lithology changes affect magnetic interpretation: *in*, Gibson, R. I., and Millegan, P. S. (editors), *Gravity and Magnetic Exploration Case Histories*: American Association of Petroleum Geologists Studies in Geology, n. 43 and Society of Exploration Geophysicists Geophysical Reference Series, n. 8, p. 40-44.
- Bird, D. E., Hall, S. A., Casey, J. F., and Millegan, P. S., 1993, Interpretation of magnetic anomalies over the Grenada Basin: *Tectonics*, v. 12, p. 1267-1279.

## PUBLICATIONS – EXTENDED ABSTRACTS

- Bird, D. E., Cathey, W. E., Dowla, N., 2023, Heat flow and supervised machine learning in the Permian Basin: applying The Magnetic Layer (TML) to control thermal property calculations: American Association of Petroleum Geologists & Society of Exploration Geophysicists, International Meeting for Applied Geoscience & Energy (IMAGE): GM-2.
- Bird, D. E., Dowla, N., and Cathey, W. E., 2023, Machine learning applications for predicting heat flow and thermal conductivity in northwest U.S.: Transactions, Geothermal Research Council, v. 47.
- DeVito, S., Bird, D. E., and Cvetkovic, M., 2023, Syn-rift and pre-rift section in the Colorado Basin, offshore Argentina: an integration of new long offset 2D seismic reflection data with potential fields and vintage seismic refraction data: American Association of Petroleum Geologists & Society of Exploration Geophysicists, International Meeting for Applied Geoscience & Energy (IMAGE): INT 3.
- Zhang, H., and Bird, D. E., 2023, Full tensor gradient (FTG) gravity data application in karst features detection in the northeastern Delaware Basin, west Texas: American Association of Petroleum Geologists & Society of Exploration Geophysicists, International Meeting for Applied Geoscience & Energy (IMAGE): GM-2.
- Bird, D. E., Cathey, W. E., and Dowla, N., 2022, The Magnetic Layer in Powder River and Denver-Julesburg basins: a new crustal temperature constraint for estimating thermal properties in sedimentary basins: American Association of Petroleum Geologists & Society of Exploration Geophysicists, International Meeting for Applied Geoscience & Energy (IMAGE), NEF 2.
- Dinkelman, M. G., and Bird, D. E., 2013, Interpretation of the tectonic framework of NE Greenland continental margin from regional seismic reflection and gravity data: 3P Arctic, The Polar Petroleum Potential Conference & Exhibition.
- Bird, D. E., and Hall, S. A., 2010, Early seafloor spreading in the South Atlantic Ocean: M-series isochrons north of the Rio Grande Fracture Zone?: 2<sup>nd</sup> Conjugate Margins Conference, Lisbon.
- Dinkelman, M. G., and Bird, D. E., 2010, Offshore Nova Scotia: basin framework of the slope diapiric province: 2<sup>nd</sup> Conjugate Margins Conference, Lisbon.
- Bird, D. E., and Hall, S. A., 2010, South Atlantic kinematics and the evolution of Tristan da Cunha hotspot tracks: 72<sup>nd</sup> European Association of Geoscientists & Engineers Conference & Exhibition, Barcelona, D044. (Bonarelli Award, Best oral presentation)
- Bird, D. E., Hall, S. A., Burke, K., Casey, J. F., and Sawyer, D. S., 2008, Mesozoic seafloor spreading history of the Central Atlantic Ocean: Conjugate Margins Conference, Dalhousie Univ., Halifax.
- Bird, D. E., Radovich, B. J., and Moon, J., 2007, Integrated Seismic and Gravity Data Modeling: Basement Structure in the Gulf of Mexico: Gulf Coast Association of Geological Societies Societies, v. 57, p. 47-53.
- Radovich, B. J., Moon, J., Connors, C. D., and Bird, D. E., 2007, Insights into Structure and Stratigraphy of the Northern Gulf of Mexico from 2D Pre-Stack Depth Migration Imaging of Mega-Regional Onshore to Deep Water, Long-Offset Seismic Data: Gulf Coast Association of Geological Societies, v. 57, p. 633-637.
- Bird, D. E., and Burke, K., 2006, Pangea breakup: Mexico, Gulf of Mexico, and Central Atlantic Ocean: *in*, Expanded Abstracts of the Technical Program: Society of Exploration Geophysicists 76<sup>th</sup> Annual International Meeting and Exposition, p. 1013-1016.
- Walraven, D., Drummond, J., Rodriguez, A., Kue, C. –W., Chang, T., and Bird, D., 2002, Integrated seismic illumination and gravity modeling in refinement of a subsalt interpretation: *in*, Expanded Abstracts of the Technical Program, Society of Exploration Geophysicists 72<sup>nd</sup> Annual International Meeting and Exposition: p. 621-624.
- Bird, D. E., and Gibson, R. I., 1999, Gravity and magnetic interpretation of the Sunda Shelf and South China Sea: *in*, Expanded Abstracts of the Technical Program, Society of Exploration Geophysicists 69<sup>th</sup> Annual International Meeting and Exposition: v. 1, p. 407-410.

- Bird, D. E., and Nelson, J. R., 1999, Aeromagnetic interpretation of basement structure using over 3,000 control wells, central Alberta: a case history: *in*, Expanded Abstracts of the Technical Program, Society of Exploration Geophysicists 69<sup>th</sup> Annual International Meeting and Exposition: v. 1, p. 347-349.
- Bird, D. E., Hall, S. A., Casey, J. F., and Millegan, P. S., 1991, Integrated geophysical interpretation of the Grenada Basin: *in*, Expanded Abstracts of the Technical Program, Society of Exploration Geophysicists 61<sup>st</sup> Annual International Meeting and Exposition, p. 172-175.

## PUBLICATIONS – ABSTRACTS

- Liu, M., Bird, D. E., and Mann, P., 2020, Distribution and thickness of crustal types of the Greater Gulf of Mexico region based on constrained 3D gravity inversion: Eos, Transactions, American Geophysical Union, Fall Meeting Supplement, v. 101, NS008-06.
- Zhang, H., Bird, D. E., and Mann, P., 2020, Deep crustal structure of the Sergipe-Alagoas rifted-passive margin, northeastern Brazil based on deeply-penetrating reflection data and 2D gravity modeling: Eos, Transactions, American Geophysical Union, Fall Meeting Supplement, v. 101, NS008-08.
- Bird, D. E., and Hall, S. A., 2019, Early South Atlantic break-up: review and discussion: Geophysical Society of Houston Journal, v. 9, n. 5, p. 11.
- Chen, Y. -W., Colli, L., Bird, D. E., and Wu, J., 2019, Dynamic Topography across Overthickened Oceanic Lithosphere from a Gravity-constrained Crustal Model of the Caribbean: Eos, Transactions, American Geophysical Union, vol. 100, Fall Meeting Supplement, D133B-0020.
- Chen, Y. -W., Colli, L., Bird, D. E., and Wu, J., 2019, Dynamic topography of a gravity-constrained crustal model across the Caribbean region: European Geoscience Union, General Assembly.
- Liu, M., Bird, D. E., and Mann, P., 2019, Geophysical Framework of the Extinct Jurassic Spreading Center in the Gulf of Mexico: An Integration of Marine Seismic Reflection, Refraction, and Gravity Data: Eos, Transactions, American Geophysical Union, vol. 100, Fall Meeting Supplement, T43F-0513.
- Sun, L., Mann, P., and Bird, D. E., 2019, Integration of Tectonic Geomorphology and Crustal Structure across the Bahamas-Hispaniola Collisional Zone, Northeastern Caribbean: Eos, Transactions, American Geophysical Union, vol. 100, Fall Meeting Supplement, T31D-0264.
- Dowla, N., Mann, P., and Bird, D. E., 2016, Gravity and magnetic investigation of the south-central Atlantic margin of the USA (offshore Florida to South Carolina) and its west Africa conjugate margins (The Gambia to Mauritania): American Association of Petroleum Geologists Annual Meeting.
- Gomez, S., Mann, P., and Bird, D. E., 2016, Deep crustal structure and tectonostratigraphy at the leading edge of the Caribbean in basins offshore Tobago and Barbados: American Association of Petroleum Geologists Annual Meeting.
- Hall, S. A., Bird, D. E., Danque, H. A., Grant, J. V., McLean, D. J., and Towle, P. J., 2014, New constraints on the age of the opening of the South Atlantic basin as revealed by recently acquired magnetic, gravity and seismic reflection data: Eos, Transactions, American Geophysical Union, v. 94, Fall Meeting Supplement, T52C-03.
- Bird, D. E., and Connors, C. D., 2013, Possible deep Jurassic rift basin locations in the Gulf of Mexico: results of modeling gravity and seismic data: Geological Society of America, South Central Section, 47<sup>th</sup> Annual Meeting, T7, 13-4.

- Dale, A. L., Mann, P., and Bird, D. E., 2013, Crustal structure of the Central Atlantic rifted-passive margin from South Carolina of the southeastern Bahamas: a first step to understand its petroleum potential: American Association of Petroleum Geologists Annual Meeting.
- Dale, A. J., Reuber, K., Bird, D. E., and Mann, P., 2013, Central Atlantic magmatic province plume focus and evidence for its relation to the basement of the Bahamas: Geological Society of America, South Central Section, 47<sup>th</sup> Annual Meeting, 28-11.
- Nguyen, L. C., Mann, P., and Bird, D. E., 2013, Location of deeply buried, offshore Mesozoic transform fault along the western margin of the Gulf of Mexico inferred from gravity and magnetic data: Eos, Transactions, American Geophysical Union, v. 95, Fall Meeting Supplement, T21B-2558.
- Nguyen, L. C., Mann, P., and Bird, D. E., 2013, 1200-km-long gravity transect from eastern Mexico to the northeastern Gulf of Mexico: implications for deep water exploration: Geological Society of America, South Central Section 47<sup>th</sup> Annual Meeting, T28, 10-23.
- Helwig, J. A., Bird, D. E., Kumar, N., Emmet, P. A., and Dinkelman, M., 2012, Tectonic framework of the Beaufort-Mackenzie margin, Canadian Arctic Ocean, from integrated deep seismic and potential-field studies: Eos, Transactions, American Geophysical Union, v. 93, Fall Meeting Supplement, T34A-05.
- Dinkelman, M. G., and Bird, D. E., 2011, Offshore Nova Scotia: Integrating Salt Deformation Styles, Basin Structuring and Distribution of Crustal Terranes: American Association of Petroleum Geologists Annual Meeting.
- Dinkelman, M. G., Granath, J. W., Chris, J. M., Emmet, P. A., and Bird, D. E., 2010, Full 40 km crustal reflection seismic datasets in several Indonesian basins: Eos, Transactions, American Geophysical Union, v. 91, Fall Meeting Supplement.
- Granath, J. W., Christ, J. M., Dinkelman, M. G., Emmet, P. A., and Bird, D. E., 2010, Full crustal 40 km PSDM seismic profiling ("BightSPAN™") of the Cenuna subbasin, Great Australian Bight margin of South Australia: Eos, Transactions, American Geophysical Union, v. 91, Fall Meeting Supplement.
- Helwig, J., Ady, B., Kumar, N., Granath, J. W., Dinkelman, M. G., Bird, D. E., and Emmet, P. A., 2010, Reconstructing conjugate margins of the Canada-Amerasian basin: new tectonic constraints from deep seismic data and gravity profiles: Eos, Transactions, American Geophysical Union, v. 91, Fall Meeting Supplement.
- Bird, D. E., and Hall, S. A., 2009, Central South Atlantic kinematics: a 3D ocean basin-scale model of the Walvis Ridge and Rio Grande Rise: Eos, Transactions, American Geophysical Union, v. 90, Fall Meeting Supplement, T51A-1487.
- Dinkelman, M. G., Granath, J., Bird, D., Helwig, J., Kumar, N., and Emmet P., 2009, Predicting the brittle-ductile (b-d) transition in continental crust through deep, long offset, prestack depth migrated (PSdM), 2-D Seismic data: American Association of Petroleum Geologists International Conference, Rio de Janeiro, P41.
- Bird, D. E., Burke, K., Hall, S. A., and Casey, J. F., 2008, Triassic – Jurassic kinematics of the Gulf of Mexico, Central Atlantic Ocean, and North America: Geological Society of America Annual Meeting, p. 289-2.
- Altamira, A., Bird, D. E., and Burke, K., 2008, Role of the northern Caribbean Plate boundary zone in concentrating movement between the Americas during the past 70 million years: Geological Society of America Annual Meeting, p. 154-12.
- Bird, D. E., and Burke, K., 2008, Geodynamic evolution of extended rift terranes: Rifts Renaissance Conference, Geological Society of London and SEPM, Houston.

- Bird, D. E., Burke, K., Hall, S. A., and Casey, J. F., 2008, Triassic - Jurassic kinematic relationships between the Gulf of Mexico, Central Atlantic Ocean, and Mexico: *Eos, Transactions, American Geophysical Union*, v. 89, Joint Assembly Supplement.
- Dinkelman, M. G., Granath, J. W., Emmet, P. A., and Bird, D. E., 2008, Deep crustal structure of East Java Sea back-arc region from long-cable 2D seismic reflection data integrated with potential fields data: *Proceedings of the Indonesian Petroleum Association 32<sup>nd</sup> Annual Convention*, IPA08-G-153, 6 p.
- Hall, S. A., and Bird, D. E., 2007, Tristan da Cunha hotspot tracks and the seafloor spreading history of the South Atlantic: *Eos, Transactions, American Geophysical Union*, v. 88, Fall Meeting Supplement, V31F-04.
- Dragoi, D., Hall, S. A., and Bird, D. E., 2006, Geophysical investigation of continental margin development, and early spreading history of the South Atlantic south of the Walvis Ridge/Rio Grande Rise: *Eos, Transactions, American Geophysical Union*, v. 87, Fall Meeting Supplement, G53B-0908.
- Altamira, A., Burke, K., and Bird, D. E., 2005, Testing for an Absence of Regional Shortening (or Extension) Across the Caribbean – South American Plate Boundary Zone (PBZ): *Eos. Transactions, American Geophysical Union*, sect. 86, Fall Meeting Supplement
- Bird, D. E., Burke, K., Hall, S. A., Casey, J. F., and Sawyer, D. S., 2005, Callovian – Oxfordian and earlier Central Atlantic ridge jumps: *American Association of Petroleum Geologists International Conference, Paris*, A9.
- Bird, D. E., Burke, K., Hall, S. A., and Casey, J. F., 2005, The tectonic history of the Gulf of Mexico: *Eos. Transactions, American Geophysical Union*, v. 86, n. 18, Joint Assembly Supplement, JA9.
- Bird, D. E., Hall, S. A., Burke, K., and Casey, J. F., 2005, Late Jurassic – Early Cretaceous tectonic reconstructions of the Central and South Atlantic Oceans: *Eos. Transactions, American Geophysical Union*, vol. 86, no. 18, Joint. Assembly Supplement, JA508-JA509.
- Bird, D. E., Hall, S. A., Burke, K., Casey, J. F., and Sawyer, D. S., 2004, Early seafloor ridge jumps in the Central Atlantic Ocean: *Eos. Transactions, American Geophysical Union*, v. 85, n. 47, Fall Meeting Supplement, F1717.
- Bird, D. E., 2002, Gulf of Mexico evolution: a basin-wide, well and seismic refraction supported gravity and magnetic interpretation: *American Association of Petroleum Geologists Annual Meeting*.
- Bird, D. E., Hall, S. A., Casey, J. F., and Burke, K., 2001, Geophysical evidence for a possible late Jurassic mantle plume in the Gulf of Mexico: *Eos. Transactions, American Geophysical Union*, v. 82, n. 47, F1185.
- Flanagan, G. Campbell, C. L., Kilsdonk, B., Maler, M. O., Bird, D. E., and Kirkham, K. L., 2001, Integrated gravity, magnetic and seismic study offshore Brazil: *7<sup>th</sup> International Congress of the Brazilian Geophysical Society, Salvador, Brazil*.
- Bird, D. E., Hall, S. A., Casey, J. F., and Millegan, P. S., 1998, Geophysical evidence for near east-west sea floor spreading and the formation of the Grenada Basin: *in*, Ali, W., Paul, A., and On, V. Y., (editors), *Transactions of the 3<sup>rd</sup> Geological Conference of the Geological Society of Trinidad and Tobago and the 14<sup>th</sup> Caribbean Geological Conference, July 16-25, 1995: Geological Society of Trinidad and Tobago, Port-of-Spain*, v. 2, p. 681.

## PUBLICATIONS – ARTICLES

- Bird, D. E., 2002, Shear margins: continent – ocean transform and fracture zone boundaries: *in*, Thomasson, M. R., and Lawyer, L. C. (editors), *Geologic Columns of The Leading Edge: Society of*



- Exploration Geophysicists, and American Association of Petroleum Geologists Open File Publication, v. 7, p. 79-84.
- Bird, D. E., 2001, Shear margins: continent – ocean transform and fracture zone boundaries: *The Leading Edge*, v. 20, n. 2, p. 150-159.
- Gibson, R. I., and Bird, D. E., 1998, Exploration takes to the skies: *GIS Asia Pacific*, Oct./Nov., p. 22-24.
- Bird, D. E., 1997, Geology should rule interpretation: *American Association of Petroleum Geologists Explorer*, v. 18, n. 6, p. 26-27.
- Bird, D. E., 1997, Primer: interpreting magnetic data: *American Association of Petroleum Geologists Explorer*, v. 18, n. 5, p. 18-21.
- Bird, D. E., 1994, Editor's message: *Geophysical Society of Houston, Newsletter*, v. 30, n. 8, p. 1.