

Scott W. Tinker
Curriculum Vitae

The University of Texas at Austin
Bureau of Economic Geology
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Education

- Ph.D. Geological Sciences, University of Colorado, Boulder, 1996
- M.S. Geological Sciences, University of Michigan, Ann Arbor, 1985
- B.S. Geology, Business Administration, *Magna Cum Laude*, Trinity University, San Antonio, 1982
- Cy Fair High School, Houston, Texas, *Summa Cum Laude*, 1978

Leadership

- Director, Bureau of Economic Geology (2000-present)
- Chairman and Chief Executive Officer, Switch Energy Alliance (2017-present)
- Chairman and Chief Executive Officer, Tinker Energy Associates (2016-present)
- Associate Dean of Research (acting), Jackson School of Geosciences (2009–2018)
- President, American Geosciences Institute (2015–2016)
- President, Gulf Coast Association of Geological Societies (2011-2012)
- President, American Association of Petroleum Geologists (2008–2009)
- Director, Advanced Energy Consortium (2008-present)
- External Director, Brigham Exploration (2007-2011)
- President, Association of American State Geologists (2007–2008)
- President, Austin Geological Society (2002-2003)
- Director, Petroleum Technology Transfer Council, Texas Region (January 2000–2011)

Selected Honors

- AGI, Campbell Medal (2018)
- GCAGS, Boyd Medal (2016)
- AAPG, Halbouty Medal (2016)
- TIPRO, “Hats Off” Award (2014)
- AGI, Public Understanding of the Geosciences Award (2013)
- AIPG, Galey Public Service Award (2013)
- Texas Monthly, Top Geoscientist in Texas (2012)
- GSA, Fellow (2011)
- Oil and Gas Investor, “Industry Icon” (2010)
- Best Manuscript, Journal of Sedimentary Research (1998)
- Sproule Award for Best Manuscript, AAPG Bulletin (1998)

Professional Work Experience

A. Present Positions

- a. Director, Bureau of Economic Geology, The University of Texas at Austin (January 2000–present). Built from less than \$10 million annual in 2000 to \$35 million annual. Responsible for strategic direction and financial health. Soft money organization with Federal, State, and private competitive grants and contracts. Interact and collaborate with high-ranking state and federal government officials; executive and board-level industrial management; and senior university leadership. Manage complex program array representing 150 simultaneous active grants and contracts and 250 research, support staff and students. Identify and attract research talent. Develop university-wide collaborations and funding opportunities.
- b. State Geologist of Texas (January 2000–present). Assessment, inventory, and evaluation of Texas energy, mineral, land, and water resources. Research and technical advisor to Governor’s Office, Texas Legislature, and State regulatory agencies. Identify and lead high-level State-wide collaboration and funding opportunities.
- c. Professor and Edwin Allday Endowed Chair of Subsurface Geology, Jackson School of Geosciences, The University of Texas at Austin (September 2002–present). Involved in executive, steering, budget council, faculty, graduate research, and faculty search committees. Advising and graduate committee membership and graduate teaching.
- d. Director, Advanced Energy Consortium (January 2008–present), Chairman (*ex officio*) of the AEC Board of Management. Executive Director of activities for the \$50 million consortium. Design and manage pre-competitive research in micro- and nanotechnology materials and sensors for the recovery of oil and gas from new and existing reservoirs.
- e. *Switch, Switch On* and the Switch Energy Alliance, a 501(c)(3) (2009–present). Critically acclaimed feature-length documentary *Switch* on global energy, viewed by over 15 million people worldwide, in thousands of universities and schools and over 50 countries. Video-based, user customized website on energy. Includes the *Switch* Energy Lab; *Switch On*, a feature length film on energy poverty to be released in 2019; high school film-based energy curriculum for AP Environmental Sciences; a short-format film for major science museums; and campus energy clubs.

B. Past Positions

- a. Associate Dean of Research (acting), Jackson School of Geosciences (September 2009–January 2018). Conceived of, attracted, and lead the design and management of several major cross-campus, industrially funded, research programs.
- b. President, American Geosciences Institute (2015–2016). Professional association representing 51 member societies and 250,000 geoscientists.
- c. President, Gulf Coast Association of Geological Societies (2011-2012).
- d. President (elected), American Association of Petroleum Geologists (2008–2009). “Chief Executive Officer” for 35,000-member international professional association. Chairman of Executive Committee through which Executive Director and staff of 60 reported.
- e. President, Association of American State Geologists (2007–2008). “Chief Executive Officer” for professional association comprising the state geologists of each state.
- f. Director, Petroleum Technology Transfer Council Texas Region (January 2000–2011). Coordinated activities for regional training with Associate Director.
- g. Marathon Oil—Petroleum Technology Center, Littleton, Colorado (1988–2000).
 - i. Advanced Senior Geologist.

1. Proposed and designed million-dollar project to characterize Seminole field for Amerada Hess Corporation.
 2. Three-dimensional modeling of Marathon's carbonate reservoirs.
 3. In-house expert for exploration and reservoir-scale technical problems in carbonate settings worldwide, including North America, West Africa, and the Middle East.
 4. Responsible for Marathon's in-house technical training in carbonates including Sequence Stratigraphy and Characterization of Carbonate Reservoirs; Ancient Carbonate Field Seminar; 3-D Characterization.
 5. Designed, implemented, and served as mentor in a 3-year, new-hire training program.
- ii. Senior Geologist.
 1. 3-D model construction in the offshore Gulf of Mexico Ewing Bank turbidite complex.
 2. 3-D reservoir characterization of Indian Basin field (Pennsylvanian), Howard Glasscock field (Permian) and Olson field (Permian).
 3. Description and characterization of Cretaceous carbonates, offshore Gabon.
 - iii. Advanced Geologist.
 1. 3-D model construction of giant West Texas Yates field.
 2. 3-D modeling of Smackover Shongaloo field.
 3. 3-D modeling of early Permian Vacuum (Abo) reservoir.
 - iv. Geologist II, Marathon Oil.
 1. Data acquisition, core description and integration for Yates field.
 2. Development of a Geologic Core Description Worksheet.
- h. Union Pacific Resources, Englewood, Colorado (1985–1988).
 - a. Two-man technical team for regional exploration integrating log, core, petrographic, seismic, and geochemical data in Devonian carbonates of the Western Canada Sedimentary Basin and the Williston Basin (David Eby, mentor).
 - b. Prospect generation in the Big Horn Basin, Wyoming.
 - i. Robert M. Sneider Exploration, Houston, Texas (1982–1983; summer 1984).
 - a. Rock-log calibration and reservoir description of San Andres waterflood, New Mexico.
 - b. Regional interpretation in East Texas basin Jurassic and Cretaceous.
 - j. University of Michigan, Ann Arbor, Michigan (1983–1985).
 - i. Teaching Assistant, Introductory Geology.
 - ii. Research Assistant, Museum of Paleontology.
 - k. Trinity University, San Antonio, Texas (1980–1982).
 - i. Resident Advisor, Murchison co-ed dormitory; Teaching Assistant, Structural Geology and Introductory Geology.

Professional Fund Raising Highlights

- A. Foundation Development ~ \$400 million.
- a. One of the “Jackson Five” that secured ~ \$350 million to establish the Jackson Endowment and form the Jackson School of Geosciences in 2005.
 - b. \$25 million gift of land, buildings and endowment from BP, DOE, and several major oil and gas companies to create the Bureau’s Houston Research Center (HRC) in 2001, the nation’s premier rock curation facility.
 - c. \$12 million to build a new core research building, and renovate lab facilities in Austin.
 - d. \$7 million dollars for *Switch, Switch On*, and the Switch Energy Alliance.
 - e. Historically large gifts to support the 2012 GCAGS Annual meeting and the 2012 AASG annual meeting.
 - f. Trustee of the AAPG, AGI and AASG Foundations.
- B. Program Development ~ \$500 million in external grants since 2000, as the Bureau has grown from a \$10 million/year revenue organization to a \$35 million/year revenue organization. Chronological highlights, most recent first, follow.
- a. ARRM, Advance Resource Recovery in Mexico: 2018-present. \$40 million energy research program funded by government of Mexico, in partnership with major Mexican research institutions, plus a \$10 million industry consortium.
 - b. TexNet/CISR: 2015-present. \$15 million to date from state and industry sources to deploy and manage a 60-seismometer network in Texas and an integrated team to analyze and conduct research.
 - c. STARR, State of Texas Advanced Resource Recovery: 2000-present. Conducting research with small and large oil and gas operators to improve oil and gas recovery. Across five legislative sessions increased state support to \$5 million/year.
 - d. Shale Research Initiative: 2008-2018. Co-wrote proposal and served as coordinating PI for \$3 million in grants from the Alfred Sloan Foundation to examine long-term production scenarios and estimated ultimate recovery (EUR) in four U.S. shale gas, and two shale oil basins.
 - e. TORA, Tight Oil Resource Assessment: 2016-present. \$1 million per year Industry Consortium built from shale research team focused on Permian Basin shale oil and gas resources.
 - f. Shell-UT Unconventional Research Program (SUTUR and SUTUR2): 2011- present. Conceived of and formed the \$7.5 million five-year research program for campus wide effort. Follow up project of \$3 million.
 - g. Unconventional Oil and Gas Research: 2008- Co-wrote proposal for original internal grant (2006) and guided planning and successful effort to develop partnership with ExxonMobil for a \$1.5 million program.
 - h. Petrobras: 2006–2009 Helped develop and lead 3-year, \$7.5-million multi-project research and education program.
 - i. FutureGen: 2005–2007 Led technical team for Texas working with the Railroad Commission and Governor. Attracted \$5 million in State Funding, which resulted in two Federally short-listed Texas sites out of four Nationally.
 - j. Advanced Energy Consortium: 2004-present. Developed high-level industry contacts and guided process resulting in cumulative \$50 million to date, 10-company consortium that began officially in 2008 for developing advanced micro and nano subsurface sensors.

- k. Carbon Management: 2001-present. Helped conceive and initiate a multi-project \$75 million, 15-year program that includes the Gulf Coast Carbon Center, SE and SW Carb partnerships, Frio brine experiments, CO₂ EOR programs and FutureGen.
- l. PEMEX: 2000–2005 Developed high-level relationships leading to \$3 million dollars of funding and several major basin studies.

Professional Associations: Executive Councils and Committees

American Association of Petroleum Geologists (AAPG), 1982–present

Executive Committee, AAPG/SPE Africa Energy & Technology Conf, Nairobi, Kenya, 2016

Honorary Member, selected for 2015

Certified Petroleum Geologist #5403

Member, House of Delegates (HoD) Nomination and Election Committee, 2012–2013

Member, HoD At Large, 2004–present

Chairman, Advisory Council, 2009–2010

Elected President, 2008–2009 (35,000 members globally)

President Elect, 2007–2008

Presidential Candidate, 2006–2007 (elected by global vote)

Member, Audit Committee, 2007–2008

Member, Budget Review and Finance Committee, October 2006–June 30, 2007

Member, Tactical Operation Committee III, July 2006–2007

Chair, Tactical Operations, 2007–2008

Chair, Budget Review & Finance Committee, 2007–2008

Member, House of Delegates, 2004–2008

Distinguished Ethics Lecturer, 2005–2006

Co-chair, Forum on the Future of Global Energy: Technical, Environmental, Economic, and Policy Issues (DEG/SEPM/EMD): AAPG Annual Meeting, Dallas, Texas, April 2004

International Steering Committee, 2001 AMGP (Asociacion Mexicana de Geologos Petroleros)/AAPG International Conference in Vera Cruz, Mexico, 2001

Organizing Committee, International Committee, APPEX (Property and Prospect Exposition), 2001

Core and Sample Preservation Committee, 2000–present

Education Committee, 1999–2005

Field Seminar Sub-Committee Chairman on Education Committee, 1999–2006

Associate Editor for AAPG Bulletin, 1997–1999

Technical Session Judge at AAPG Annual meetings: 1993, 1996, 1999

Distinguished Lecturer, 1997–1998

Field Seminar Leader, 1998, 2000

Session Chair at Annual Meeting, 1994, 2001, 2004

American Association of Petroleum Geologists Foundation

Trustee Associate, 2008-present

American Geosciences Institute Foundation

Foundation Trustee, 2001–present

American Institute of Professional Geologists (AIPG), 2001–present

Certified Professional Geologist #10564
American Geosciences Institute (AGI)
Past President 2016-2017
President 2015-2016
President Elect 2014-2015
Association of American State Geologists (AASG), 2000–present
Data Preservation Committee, Chairman, 2008
Past President, 2007–2008
President, 2006–2007
President Elect, 2005–2006
Vice President, 2004–2005
Executive Committee, 2004–2007
Committee to Implement the AASG/USGS MOU, 2005
Awards Committee, 2004
Booth Committee, 2004
Geological Society of America Affiliated Societies, alternate, 2004
Energy and Mineral Policy Committee, 2000–present, Chairman, 2002–2003; 2010–present
Subcommittee on AASG Energy/Oil & Gas Legislation, 2001–2006
U.S. Potential Gas Committee, 2000–present, Chairman, 2003–2006
Coastal Processes Committee, 2000
Continental Margins Committee, 2000
Liaison Committee, 2000–2006
Earth Science Education Committee, 2001–2007
Lead for USGS Central States Cluster, 2003
Association of American State Geologists Foundation
Trustee, 2007-present
Austin Geological Society (AGS), 2000–present
House of Delegates, AAPG, 2004–present
President, 2002–2003
President Elect, 2001–2002
European Association of Geoscientists and Engineers, 2003–2012
Geological Society of America (GSA), 2003–present
GSA Fellow, 2012
Halbouty Distinguished Lecturer, 2013
Gulf Coast Association of Geological Societies (GCAGS), 1999–present
Past President, 2012–2013
President, 2011–2012
President Elect, 2010–2011
Technical Program Chairman, Steering Committee, GCAGS Annual Convention in Austin, Texas, 2002
Rocky Mountain Association of Geologists (RMAG), 1997–present
Society for Sedimentary Geology (SEPM), 1984–present

Organizing Committee, 2017 Mountjoy Conference, Austin, Texas, 2017 (sponsored by SEPM and CSPG {Canadian Society of Petroleum Geologists})
Member, Ad-hoc Committee for Annual Meeting Planning, 2004
Chairman for SEPM for 2004 Annual AAPG Meeting
Member, Permian Basin Section SEPM, 2004–present
Short Course Instructor, 1997, 1999
Society of Exploration Geophysicists (SEG), 2000–present
Session Chair at SPE/SEG Forum, 1998
Society of Petroleum Engineers (SPE), 1982–present
Panelist, International Petroleum Technology Conference and Exhibition (IPTC), “Developing People: Education, Training, and Cultural Diversity,” Doha, Qatar, November 2005
Distinguished Lecturer, 2002–2003
SPE Primer Committee, 2003–2008
Development Geology and Geophysics Committee, 1992–1994
Session Chair at Annual Meeting in Washington, DC, 1993
Texas Board of Professional Geoscientists (TBPG), June 2003–present
Certified Professional Geoscientist #1049
West Texas Geological Society (WTGS), 1993–present
Distinguished Service Award, 2002
WTGS/AAPG Southwest Section Field Trip Leader, Carlsbad, New Mexico, 2000

Industry, University and Government Boards, Executive Councils, and Committees

Industry

Switch Energy Alliance, 501(c)(3), Chairman and CEO, 2017-present
Shell Science Council, 2014-present
Member, Energy Forum at the American Academy of Science and Engineering, 2013–present
X Microwave, Investor and Director, 2013-present
Tinker Energy Associates, Chairman and CEO, 2012-present
Southwest Research Institute, Advisory Trustee, 2012–present
BP Technical Advisory Council, 2007–2013
Advanced Energy Consortium, Chairman, Board of Management, 2007–present
Brigham Exploration Company, Board of Directors, 2007–2011
Audit Committee
Company sold to Statoil in 2011 for \$4.4 billion
DRM, Board of Advisors, 2006–2008
Quantum Technology Sciences, Inc. (QTSI)
Board of Directors, 2014-present
Board of Advisors, 2005–2007
iReservoir.com, Board of Advisors, June 2002–2007
Schlumberger Doll Research, Client Advisory Board, 1996–1999

University

The University of Texas at Austin

John A. and Katherine G. Jackson School of Geosciences

Panel Chair, Latin American Forum, Unconventional Hydrocarbons, 2011

Acting Associate Dean for Research, 2010–2017

Panel Chair, Latin American Forum, Energy and Environment Trade Offs, Consequences, and Options, Jackson School of Geosciences, October 1, 2007

Strategic Planning Council, October 2005–2006; 2010–2012

Jackson School of Geosciences & College of Engineering, Collaboration Committee, 2004–05

Executive Committee, 2001–present

Steering Committee, 2001–2005

Cockrell School of Engineering, Strategic Planning Committee, 2009–present

Center for International Energy and Environmental Policy (CIEEP) Advisor, 2005

Committee of the Commission of 125, 2002–2003

Advisory Committee to Service to Society

Department of Geological Sciences

Professor and Allday Endowed Chair, 2002–present

Search Committee for Sedimentary Geologist, 2005

Search Committee for Energy and Mineral Resources Director, 2005

Search Committee for Carbonate Chair, 2005

Graduate Studies Council, 2001–present

Budget Council, 2001–present

Faculty Review Committee, 2000–2001

Energy Institute Advisory Council, ex-officio, January 2010–present

Chair of Chancellor's Committee for Sandia National Lab Collaboration, 2004–2005

University of Texas Liaison for Texas Technology Initiative, 2005

Dean's Committee on Formation of the Jackson School of Geosciences, 2001

Vice President's Committee on ACES Energy Proposal, 2001

University of Texas System, Energy Leadership Council, 2010–present

University of Michigan

Department of Geosciences Advisory Board, 2006–present

Indiana University

Geologic Field Station Advisory Board, 2006–2012

Established Tinker Family Scholarship

Trinity University

Board of Visitors, 2000–2016

Established Tinker Family Endowment

State Government

TexNet 9-member Technical Advisory Committee to the Bureau of Economic Geology, appointed by the Governor, 2016–present

Oil Field Cleanup Fund Advisory Committee, appointed by Lieutenant Governor, 2001–2011

Texas Energy Coordination Council, 2001–2012

FutureGen Texas

Governor Appointed Director of FutureGen Texas Technical Team, 2005–2007

Member, ex-officio, Advisory Board, September 2005–2007

Texas Technology Initiative

State Strategy on Advanced Technology, 2004, 2005

Technology Working Group, 2005

Texas Energy Cluster, 2005

Advisor to Texas Energy Planning Council, February 2004

Federal Government

National Research Council Roundtable on Unconventional Hydrocarbon, 2016-present

Sandia National Laboratories Geoscience External Advisory Board (compensated), 2012–present

National Research Council Workshop on the Health Impact Assessment of New Energy Sources: Shale Gas Extraction, Sponsored by The Roundtable on Environmental Health Sciences, Research, and Medicine, 2012

Interstate Oil and Gas Compact Commission, Appointment by Governor of Texas, 2007–present

National Council for Science and the Environment (NCSE), Energy Education Working Group, 2010

National Academies, National Research Council, Board on Energy and Environmental Systems, 2003–2009

Co-Chairman, Future Global Oil Supply/Demand Balance: Workshop on Trends in Oil Supply and Demand and Potential for Peaking of Conventional Oil Production, 2005

Planning Group for Workshop on Issues Related to Peaking of Global Oil Production, 2005

Chairman, Workshop on U.S. Natural Gas Demand and Supply Projection, 2003

Research Partnership to Secure Energy for America, 2007–2009

University of Texas Representative on Board of Directors

National Petroleum Council, Appointment by Secretary of Energy, 2006–present

Committee on Resource Development, 2010–present

Supply Task Group of the NPC Committee on Global Oil & Gas, 2006–present

United States Geological Survey, external member of panel to select Chief Energy Scientist, 2002

Petroleum Technology Transfer Council

Director, Texas Regional Lead Organization, 2000–2011

Producer Advisory Group, 2000–2008

Permanence Subcommittee, 2005

Honors and Awards

- AGI Medal in Memory of Ian Campbell for Superlative Service to the Geosciences, 2018
- AAPG 100th Anniversary Heritage of the Petroleum Geologist, 2017 recognizing top 100 members.
- GCAGS Don R. Boyd Medal, 2016.
- AAPG Michel T. Halbouty Outstanding Leadership Medal, 2016.
- Hochreiter Distinguished Nuclear Engineering Lecturer, Penn State University, October, 2015.
- AAPG Honorary Membership, 2015.
- Weimer Inaugural Distinguished Lecturer, Colorado School of Mines, November, 2014.

- TIPRO “Hats Off” Top Award for the Society presented once annually, 2014.
- AAPG 2014 Geosciences in the Media National award, 2014.
- American Geosciences Institute (AGI) 2013 Outstanding Contribution to Public Understanding of the Geosciences award, 2013.
- American Institute of Professional Geologists (AIPG) John T. Galey, Sr., Memorial Public Service Award, 2013.
- Michael T. Halbouty Distinguished Lecturer, 2012, Geological Society of America
- Texas Monthly “Top Producer” The top geoscientist in Texas, 2012
- GSA Fellow, 2011.
- Oil and Gas Investor, January 2010, Tinker featured as first of 100 “Industry Icon” -- “Influential individual who will change the energy industry in the new decade and beyond.”
- AAPG Certificate of Merit, 2008.
- AAPG International Distinguished Ethics Lecturer, “The ‘I’ in Business Ethics,” 2005–2006.
- AAPG Distinguished Service Award, 2005.
- Academic Keys Who’s Who in Sciences Higher Education, 2004–present.
- Edwin Allday Endowed Chair in Subsurface Geology, Jackson School of Geosciences, The University of Texas at Austin, September 2002–present.
- SPE Distinguished Lecturer, “Upstream Technology for the Coming Gas Economy,” 2002.
- West Texas Geological Society, Distinguished Service Award, 2002.
- Marathon Achievement of Company Excellence Award, for significant contributions, 1999.
- Best Paper published in Journal of Sedimentary Research in 1998, “Shelf-to-basin facies distribution and sequence stratigraphy of a steep-rimmed carbonate margin: Capitan depositional system, McKittrick Canyon, New Mexico and Texas.”
- Marathon Achievement of Company Excellence Award, for significant contributions, 1998.
- J. C. “Cam” Sproule Memorial Award for Best Paper published in AAPG Bulletin by an author 35 years or younger at submittal, for “Building the 3-D Jigsaw Puzzle: Applications of Sequence Stratigraphy to 3-D Reservoir Modeling, Permian Basin”: AAPG Bulletin (April, 1996)
- AAPG Distinguished Lecturer, “From Rocks to Models; 3-D Reservoir Characterization,” 1997–1998.
- The University of Michigan: Marathon Scholar, 1985.
- The University of Michigan: AAPG and Sigma Xi Grants-in-Aid of Research, 1984.
- Trinity University: Phi Beta Kappa; Magna Cum Laude; Who’s Who in American Colleges and Universities; Outstanding Young Men of America; Top Geology Graduate Class of 1982; Wall Street Journal Award for Top Business Administration Graduate, 1982.
- Trinity University: Mortar Board; Blue Key; Sigma Gamma Epsilon (President); Sigma Iota Epsilon; Alpha Lambda Delta; Alpha Chi; Sigma Mu Epsilon, 1981.
- Trinity University: South Texas Geologic Society Scholarship and San Antonio Gem and Mineral Society Scholarship, 1980.
- Trinity University: Charter Member, Vice President and President of Omega Phi Fraternity, 1979.
- Trinity University: President’s Scholarship (4-year); Jesse Jones Scholarship (4-year), 1978.

- Cypress Fairbanks Senior High School: Summa Cum Laude (7th of 700), Class President Junior and Senior Years, 4-Year Tennis and Band Letters, Bobcat Brass Jazz Band, National Honor Society, Student Intern for Bill Archer in Washington, DC, 1978.

Short Courses Taught

1. Global energy and the oil and gas industry: UT SVALEX March course component, Austin, Texas, March 27, 2013.
2. Chairman, Future Global Oil Supply/Demand Balance: Workshop on Trends in Oil Supply and Demand and Potential for Peaking of Conventional Oil Production: The National Academies, National Research Council, Washington, DC, October 20–21, 2005.
3. Carbonate Sequence Stratigraphy: Outcrop and Subsurface Seminar, AAPG Field Seminar, New Mexico and Texas, April 26–May 3, 2003.
4. Chairman, U.S. Natural Gas Demand and Supply Projections: A Workshop, sponsored by the National Research Council of the National Academies, Washington, DC, April 21–22, 2003.
5. Interpreting 3-D Carbonate Stratigraphy Using 1-D Data: 1-1/2-day short course presented at Permian Basin Graduate Center, Midland, Texas, August 2002.
6. Carbonate Sequence Stratigraphy and Reservoir Characterization: Concepts and Applications: 2-day short course presented to BEG staff, Austin, Texas (with Charles Kerans), May 2002.
7. Carbonate Sequence Stratigraphy and Reservoir Characterization: Concepts and Applications: 4-day short course presented to PEMEX staff, Poza Rica, Mexico (with Charles Kerans), February 2002.
8. Interpreting 3-D Carbonate Stratigraphy Using 1-D Data: short course presented at Permian Basin Graduate Center, Midland, Texas, August 2001.
9. Basic Petroleum Geology: presented at “Basic Oil and Gas Geology and Technology for Lawyers and Other Non-Technical Personnel,” co-sponsored by the Rocky Mountain Mineral Law Foundation and the Oil, Gas & Mineral Law Section of the State Bar of Texas, Houston, Texas, March 2001.
10. Carbonate Sequence Stratigraphy and Reservoir Modeling: AAPG 6-day Field Seminar, September 2000.
11. Carbonate Sequence Stratigraphy and 3-D Modeling: presented at Colorado School of Mines Seminar and Computer Demonstration, September 1999.
12. Carbonate Sequence Stratigraphy and 3-D Modeling: presented at University of Colorado Seminar, May 1999.
13. VoxelGeo and TDROVQC: presented at Marathon Oil 2-day Seminar, April 1999.
14. Sequence Stratigraphy and Characterization of Carbonate Reservoirs: SEPM Short Course No. 40 (3-day), April 1999.
15. 3-D Reservoir Modeling: presented at Marathon Oil 5-day Seminar, February 1999.
16. Reservoir Characterization: presented at University of Colorado 1-day Seminar, November 1998.
17. Process Approach to Sequence Stratigraphic Reservoir Construction: presented at AAPG 6-day Field Seminar, October 1998.
18. 3-D Modeling: presented at Marathon Oil 2-day Workshop, October 1998.
19. Carbonate Sequence Stratigraphy: presented at Colorado School of Mines Evening Seminar, March 1998.
20. New Techniques and Concepts: presented at Marathon Oil 5-day School, January 1998.
21. Carbonate Sequence Stratigraphy: presented at University of Colorado 1-day Seminar, November 1997.
22. 3-D Modeling: presented at Marathon Oil 3-day Workshop, July 1997.

23. 3-D Modeling: presented at Marathon Oil 3-day Workshop, May 1997.
24. Sequence Stratigraphy and Characterization of Carbonate Reservoirs: SEPM Short Course No. 40, April 1997.
25. Current Technology and Processes: AAPG 3-day Short Course, April 1997.
26. Sequence Stratigraphy and Characterization of Carbonate Reservoirs: Marathon Oil 3-day Short Course, March 1997.
27. Reservoir Characterization of a Permian Giant: Yates Field, West Texas: SEPM Short Course No. 34 on Hydrocarbon Reservoir Characterization, Geologic Framework, and Flow Unit Modeling, March 1995.
28. Carbonate Reservoir Characterization, Guadalupe and Sacramento Mountains: Joint Marathon Oil/UPRC 6-day Field Seminar, October 1994.
29. Applied Reservoir Characterization: Marathon Oil 5-day Short Course, October 1993.
30. Sequence Stratigraphy: Marathon Oil 10-day Field and Lecture Seminar, September 1993.
31. Junior Achievement: Economics to sophomore students at George Washington High School, 1987.

University Courses

1. Reservoir geology and advanced recovery (Geology 383R): The University of Texas at Austin, Department of Geological Sciences (with William L. Fisher), Austin, Texas, 2000–2003

Graduate Students Completed

1. Benjamin Paul Smith, expected graduation May 2019, (Ph.D. candidate, Geological Sciences), committee member
2. Graham Soto-Kerans, Dec 2018, (M.S., Geological Sciences), co-supervisor
3. Matthew J. Ramos, Aug 2018, (Ph.D., Geological Sciences), co-supervisor
4. Daniel Enriquez, May 2017 (M.S., Geological Sciences), committee member
5. Wonjae (James) Jang, May 2017, (M.S., Energy & Earth Resources), committee member
6. Luciana de la Rocha, August 2016 (M.S., JSG), co-supervisor
7. Eduardo Meneses-Scherrer, December 2015 (M.A., Energy & Earth Resources), co-supervisor
8. Allen Thomas Hwang, May 2015 (M.S., Energy & Earth Resources), co-supervisor
9. Jake Shultz, May 2015 (M.S., Energy & Earth Resources), co-supervisor
10. Logan West, August 2014 (M.S., JSG), co-supervisor
11. Carl Grote, August 2014 (M.A. Energy & Earth Resources), co-supervisor
12. Forrest Roberts, December 2013 (M.S., JSG), co-supervisor
13. Erin Noel Miller, September 2012 (M.S., JSG), co-supervisor
14. Andrew Joseph Nicholson, February 2012 (M.S., JSG), co-supervisor
15. Alexander S. M. Urquhart, June 2011 (M.A., JSG), committee member
16. Aysen Ozkan, February 2010 (Ph.D., JSG), committee member
17. Olumuyiwa (Muyiwa) A. Adedeji, February 2008 (M.A., JSG), committee member
18. Ted Eric Playton, February 2008 (Ph.D., JSG), committee member
19. Edmund (Ned) Locke Frost, III, September 2007 (Ph.D., JSG), committee member
20. Samuel (Sam) Zephyr Scott, February 2007 (M.S., JSG), committee member
21. Ryan Matthew Phelps, September 2006 (M.S., JSG), committee member
22. Nysha A. Chaderton, June 2005 (M.S., JSG), committee member
23. Cem Okan Kilic, September 2004 (Ph.D., JSG), committee member
24. Jesse Baldwin Kimball, September 2004 (M.A., JSG), committee member
25. Kristine Lynn Mize, September 2004 (M.S., JSG), committee member
26. John Noel Hooker, June 2004 (M.S., JSG), committee member

27. Tina Rayna Foster, February 2003 (M.S., JSG), committee member
28. Ted Eric Playton, February 2003 (M.S., JSG), co-supervisor
29. Claudia Rassi, September 2002 (Ph.D., JSG), committee member
30. Marel Alexandra Sanchez, June 2001 (M.S., JSG), committee member

Undergraduate Students

- Rosa Moreleon, undergraduate, Summer 2015, mentor
- Apoorva Mahajan, undergraduate student, 2013-2014

Publications

Books, Book Chapter, Preface, Forward

1. November 2014, America's Increasing Reliance on Natural Gas: Benefits and Risks of Methane Economy, Report of the Critical Issues Forum, AGI American Geosciences Institute.
2. Tinker, S. W., 2009, Carbon dioxide sequestration in geological media – state of the science, AAPG Studies in Geology 59, Tinker Wrote Preface.
3. Laubach, S. E., and Tinker, S. W. editors, 2009, Earth's Art, Celebrating the Centennial of the Bureau of Economic Geology 1909–2009, 142 p.
4. Leaning Forward, A Memoir by William L. Fisher, 2008, Tinker wrote Foreword.
5. Tinker, S. W., Chair, 2003, Summary of a workshop on U.S. natural gas demand, supply, and technology: looking toward the future: The National Academy of Sciences, Committee on U.S. Natural Gas Demand and Supply Projections: A Workshop, Washington, DC, The National Academies Press, 96 p.
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46. Tinker, S. W., 2013, Global Energy and the Role of Geosciences: A North American Perspective (abs.): Special Session: GSA 125th Anniversary Books: I, The Web of Geological Sciences: Advances, Impacts, and Interactions; II, The Impact of Geological Sciences on Society: Authors Present Summaries of Their Articles II, GSA Annual Meeting and Exposition, Denver, Colorado, October.
47. Tinker, S. W., 2013, The 21st Century Energy Mix (abs.): Invited Keynote: Imperial College Oil Technology Centenary Conference 2013, London, England, September 23.
48. Tinker, S. W., 2013, FraKs, NuKes, and Koal: What Latin America can learn from the global K's (abs.): American Association of Petroleum Geologists International Conference & Exhibition (AAPG ICE), Cartagena, Columbia, September.
49. Tinker, S. W., 2013, The Future of U.S. Shale and the Role of the Independent (abs.): Independent Petroleum Association of America meeting, Dana Point, California, June.
50. Tinker, S. W., 2013, Developments in mudrocks, nanosensors, and energy alternatives: three things of interest to Denver energy executives (abs.): First Tuesday luncheon, Denver, Colorado, April.
51. Tinker, S. W., 2012, Switch – The Movie (abs.): American Association of Professional Geologists' Annual Meeting, Long Beach, California, September.
52. Tinker, S. W., 2012, The Global Energy Transition: What will it take to make the Switch (abs.): American Association of Professional Geologists' Annual Meeting, Long Beach, California, September.
53. Tinker, S. W., 2012, Renewable Energy Options (abs.): 2011 Texas Energy Summit, College Station, Texas, April.
54. Tew, B. H., Tinker, S. W., 2011, The Role of State Geological Survey in Site Characterization for Geological Storage of Carbon Dioxide (abs.): American Association of State Geologists Annual Meeting, Dubuque, Iowa, June.
55. Tinker, S. W., Tew, B. H., 2011, Role of Hydraulic Fracturing in Development of the Nation's Energy Resources (abs.): American Association of State Geologists Annual Meeting, Dubuque, Iowa, June.
56. Fisher, W. L., Tinker, S. W., 2011, The Future of Natural Gas (abs.): American Association of Petroleum Geology Annual Convention & Exhibition, Session on Natural Gas, Houston, Texas, March.
57. Tinker, S. W., 2011, Energy, Powering the Future (abs.): CoRE Education Series at Colorado School of Mines, Denver, Colorado, March.
58. Tinker, S. W., 2010, A Few Things the World has Taught me about Energy this Year (abs.): American Institute of Professional Geologists Ohio Section, Columbus, Ohio, November.
59. Tinker, S. W., 2010, Global Energy Trends and Technologies (abs.): American Petroleum Institute, Atlanta, Georgia, October.
60. Tinker, S. W. 2009, Carbon Sequestration and Unconventional Gas (abs.): Big XII Government Relations Retreat, The University of Texas at Austin, Austin, Texas, October.
61. Tinker, S. W. 2009, Global energy-building bridges, not walls (abs.): Roswell Geological Society, Roswell, New Mexico, October.
62. Tinker, S. W., 2009, Global energy—build bridges, not walls (abs.): South Texas Geological Society, San Antonio, Texas, May.
63. Tinker, S. W., 2009, Global energy policy—bridges, not walls (abs.): ExxonMobil Upstream Research Company, Galveston, Texas, April.

64. Tinker, S. W., 2009, Global energy—build bridges, not walls (abs.): Emirates Geological Society, Abu Dhabi, United Arab Emirates, April.
65. Tinker, S. W., 2009, Global energy—build bridges, not walls (abs.), *in* StatoilHydro, Bergen, Norway, March.
66. Tinker, S. W., 2009, Energy sound bites and counter bites (abs.), *in* Houston Geological Society Meeting, Houston, Texas, February.
67. Tinker, S. W., 2008, Global energy—building 21st century bridges (abs.), *in* SEAPEX Board Meeting, Singapore, December.
68. Tinker, S. W., 2008, Global energy—building 21st century bridges (abs.), *in* Women's Global Leadership Conference in Energy & Technology, Houston, Texas, November.
69. Tinker, S. W., 2008, The Advanced Energy Consortium: a new model for funding and conducting precompetitive research in micro- and nanotechnology for improved subsurface understanding (abs.), *in* AAPG International Convention and Exhibition, Cape Town, South Africa, October.
70. Tinker, S. W., 2008, Global energy security: build bridges, not walls (abs.), *in* Opening Ceremony AAPG International Conference and Exhibition, Cape Town, South Africa, October.
71. Tinker, S. W., 2008, The role of fossil fuels in the global energy future (abs.), *in* Research Institute for Petroleum Exploration and Development (RIPED) 50th Anniversary, Beijing, China, October 2008.
72. Tinker, S. W., 2008, Global energy, economy, and policy: what in the heck is going on? (abs.), *in* AAPG Eastern Mountain Section Annual Meeting, Pittsburgh, Pennsylvania, October 2008.
73. Tinker, S. W., 2008, Global energy: myths and paradoxes (abs.), *in* GSA Foundation-Pardee Coterie, Houston, Texas, October.
74. Tinker, S. W., 2008, Global energy: building 21st-century bridges (abs.), Deutschen Geophysikalische Gesellschaft, Aachen Germany, September.
75. Tinker, S. W., 2008, Public-private partnerships: communicating to decision makers (abs.), *in* First Annual Geoscience Forum, Washington, DC, September.
76. Tinker, S. W., 2008, Climate and carbon in a global energy context (abs.), North American Energy Summit, San Antonio, Texas, May.
77. Tinker, S. W., 2008, Energy myths and a few realities (abs.), Texas Bankers Association, Oil and Gas Conference, San Antonio, Texas, May.
78. Tinker, S. W., 2008, The Advanced Energy Consortium: downhole mobile micro- and nano-sensors for advanced recovery (abs.): Houston Business Journal, April.
79. Tinker, S. W., 2008, Trends, myths, and realities (abs.), American Association of Petroleum Geologists, Pacific Section, Bakersfield, California, March.
80. Tinker, S. W., 2008, Energy myths and current realities: Keynote address presented at AAPG Southwest Section Meeting, Abilene, Texas, February.
81. Tinker, S. W., 2008, Perspectives on global energy, carbon sequestration, and climate (abs.), Beaver Creek Energy Conference, Beaver Creek, Colorado, February
82. Tinker, S. W., 2008, Energy myths and a few realities (abs.), Society of Independent Professional Earth Scientists Board Meeting, Corpus Christi, Texas, January.
83. Tinker, S. W., 2008, Global energy, myths, and realities (abs.), USGS Western Region Colloquium, Menlo Park, California, January.
84. Tinker, S. W., 2007, Energy myths and water resources (abs.), Thought Seekers Breakfast Meeting, Austin, Texas, November.

85. Tinker, S. W., 2007, Global energy, myths and realities (abs.), Houston Marine Insurance Seminar, Houston, Texas, September.
86. Tinker, S. W., 2007, The global energy scene: waltz of the three E's (abs.), Don C. Haney Distinguished Lecture, Lexington, KY, April.
87. Bishop, J. W., Sumner, D. Y., Osleger, D. A., Montanez, I. P., and Tinker, S. W., 2006, Isotopic variability in backreef strata of the Permian reef complex, McKittrick Canyon, West Texas (abs.): Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 76.
88. Tinker, S. W., 2006, The "I" in business ethics (abs.), *in* TCEQ program, Texas Commission on Environmental Quality, August.
89. Tinker, S. W., 2006, The "I" in business ethics (abs.), *in* Program: Austin Geological Society, August.
90. Tinker, S. W., 2006, The "I" in business ethics (abs.): Midland College, Midland, Texas, February.
91. Tinker, S. W., 2006, The "I" in business ethics (abs.): North Texas Geological Society, American Association of Petroleum Geologists, Society of Petroleum Engineers local groups, Wichita Falls, Texas, February.
92. Tinker, S. W., 2006, The global energy future: think unconventionally (abs.): Illinois State Geological Survey, Champaign, Illinois, February.
93. Tinker, S. W., 2006, The future of global energy: resources, technology, and talent (abs.): Montana Geological Society (Rocky Mountain Section of AAPG) and the Billings Section of the Society of Petroleum Engineers, Billings, Montana, January.
94. Tinker, S. W., 2005, The role of coal in the global energy future (abs.): The Future of Coal Energy Conference, Austin, Texas, December.
95. Tinker, S. W., 2005, The future of global energy (abs.): Nevada Petroleum Society, Reno, Nevada, December.
96. Tinker, S. W., 2005, The "I" in business ethics (abs.): San Joaquin Geological Society, Bakersfield, California, November.
97. Tinker, S. W., 2005, Beyond EOR: advanced oil recovery and the West Texas energy future (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. 159.
98. Tinker, S. W., 2005, Independents must think unconventionally (abs.): Independent Petroleum Association of America Annual Meeting, Houston, Texas, October 2005.
99. Tinker, S. W., 2005, The "I" in business ethics (abs.): Outcrop, Newsletter of the Rocky Mountain Association of Geologists, v. 54, no. 8, p. 5.
100. Tinker, S. W., 2005, Systematic variations in the Capitan depositional system: McKittrick Canyon, West Texas and New Mexico (abs.): American Association of Petroleum Geologists Annual Convention abstracts volume, v. 14, p. A140.
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104. Tinker, S. W., 2004, The coming gas economy (abs.): Fort Worth Society of Petroleum Engineers, April 2004.

105. Tinker, S. W., 2004, Three generations of reservoir modeling (abs.): American Association of Petroleum Geologists Hedberg Conference, El Paso, Texas, March 2004.
106. Tinker, S. W., 2003, The global gas economy: exploration to sequestration (abs.): 2003 AAPG International Conference & Exhibition, Barcelona, Spain, September 2003.
107. Tinker, S. W., 2003, Lasers light the way: 3-D outcrops will revolutionize subsurface modeling (abs.): Rocky Mountain Association of Geologists, Denver, Colorado, February 2003.
108. Tinker, S. W., 2003, Upstream technology for the coming natural gas economy (abs.): South Texas Geological Society, San Antonio, Texas, January 2003.
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110. Kerans, Charles, and Tinker, S. W., 2002, Concepts and transitional icehouse-greenhouse systems: part 2 (abs.): Gulf Coast Section SEPM Foundation, 22nd Annual Bob F. Perkins Research Conference, Houston, Texas, December 2002.
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112. Tinker, S. W., 2002, A decade of 3-D reservoir modeling...and a brief glimpse at the future (abs.): ChevronTexaco Geology Forum, Galveston, Texas, October 2002.
113. Tinker, S. W., 2002, A rock revival: core thoughts from the BEG (abs.): West Texas Geological Society Fall Symposium, Midland, Texas, Publication #02-111, p. 45–46.
114. Tinker, S. W., 2002, “Associated oil”: upstream technology to support the natural gas energy future (abs.): West Texas Geological Society Fall Symposium, poster session, Midland, Texas, Publication #02-111, p. 215–214.
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119. Tinker, S. W., 2002, 3-D and 4-D modeling of reservoirs and aquifers: adding new dimensions to your data (abs.): SIPES San Antonio Chapter Lunch Meeting, San Antonio, Texas, June 2002.
120. Tinker, S. W., 2002, Upstream technology for the coming natural gas economy (abs.): Lawrence Livermore National Laboratory, Livermore, California, June 2002.
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135. Tinker, S. W., 2001, Current and future opportunities in the State geologic surveys (abs.): presented at American Geological Institute–National Science Foundation Workshop, Identifying Geoscience Human-Resources Data Needs—A Workshop for Educators and Employers, University of Maryland, College Park, Maryland, April 2001.
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- stratigraphy on reservoir characterization and field management strategies: Permian Basin Section–SEPM workshop, Midland, Texas, unpaginated.
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Op Eds, Reviews and Published Interviews

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2. *Earthquake monitoring is important to the Permian Basin*, Midland Reporter-Telegram, by Scott W. Tinker, February 25, 2019.
3. *Generating Positive Energy Conversations*, E&P, by Brian Walzel, October 1, 2018 [interview].
4. *Solving the Riddle of Shale*, by Barry Friedman, AAPG Explorer, July 2018 [interview].
5. *Even 'clean' and 'green' energy have an environmental impact*, by Scott W. Tinker, The Hill, June 25, 2018.
6. *Kern a 'microcosm of the world energy portfolio,' summit speaker says in calling for balanced approach to production*, by James Burger, November 8, 2017 [Review].
7. *Tracking earthquakes*, by Charles Kuffner, Off the Kuff, November 4, 2017.
8. *TX Monitoring Quakes in Real Time*, ISS Source, November 1, 2017.
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15. *Advanced Communications Crucial to Quashing Protestors*, by Heather Saucier, Rigzone, September 20, 2017 [interview].
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20. *The Paris Climate Accord Will Never Work*, by Scott W. Tinker, UT News, July 6, 2017.
21. *Paris Accord shifts us left and won't work*, by Scott Tinker, The Free Market Alternative, July 4, 2017.
22. *Tinker: The Paris climate accord will never work*, by Scott Tinker, Amarillo Globe-News, July 1, 2017.
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28. *BEG director: Don't keep it in the ground*, by Mella McEwen, Midland Reporter-Times, May 2, 2017.
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Thesis

Lithostratigraphy and biostratigraphy of the James Limestone, Texas and Mexico, 1985.

Dissertation

Reservoir-scale sequence stratigraphy: McKittrick Canyon and 3-D subsurface examples, West Texas and New Mexico, 1996.

Testimony and Briefings

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2. Briefing to Texas House of Representatives, review of seismic research needs for the University of Texas Bureau of Economic Geology, March 7, 2016.
3. Briefing to U.S. Senate and House energy, water and environment committee staff and key agency leaders, Energy from the Earth: Energy-Water-Land Connections, April 21, 2015.
4. Briefing to U.S. Energy Information Administration, Meg Coleman and others, Shale gas studies update, November 24, 2014.
5. Briefing to U.S. Department of Energy, Assistant Secretary for Fossil Energy, Chris Smith and others, Shale gas studies update, November 24, 2014.
6. Briefing to Senate and House energy, water and environment committee staff and key agency leaders, Energy from the Earth - Oil and Gas Development: Why Geoscience Makes a Difference, May 22, 2014.
7. Testimony to the Texas House of Representatives Subcommittee on Induced Seismicity, Myra Crownover, May 12, 2014.
8. Briefing to Assistant Secretary for Fossil Energy, Chris Smith, and staff, March 11, 2014.
9. Briefing, Margaret Coleman and staff, U.S. Energy Information Administration, March 11, 2014.
10. Briefing to Senate and House energy, water and environment committee staff and key agency leaders, Energy from the Earth - Practical Geoscience to Inform Energy Legislation, Global Energy and US Policy, November 21, 2013.

11. Briefing to Secretary of State, Dr. Ernest Moniz, Global Offshore Storage of CO₂: International CCS Sub-Sea (iCCSC), September 6, 2013.
12. Briefing to Senate and House staff members, including Tristan Abbey, Peter Gartrell, Kathy Benedetto, Sloan Barnett Shale study, May 7, 2013.
13. Briefing to Phil Budzik and U.S. Energy Information Administration, Sloan Barnett Shale study, May 7, 2013.
14. Briefing of the United States Senate Energy and House Energy Committee Staff, Shale Gas reserves and production, February 2013.
15. Testimony to the United States Senate, Clean Energy Briefing, Clean Fossil Fuels, May 25, 2011. Testimony to the United States Senate, Clean Energy Briefing, Briefing Overview, May 25, 2011.
16. Testimony to the United States Senate, Clean Energy Briefing, Clean Fossil Fuels, May 25, 2011.
17. Written testimony to Senate Appropriations, Subcommittee on Energy and Water Development Related Agencies, Department of Energy programs, March 2010.
18. Written testimony to Senate Appropriations Subcommittee on Interior, Environment, and Related Agencies, U.S. Geological Survey programs, April and May 2009.
19. Written testimony to Senate Appropriations Subcommittee on Energy & Water Development and Related Agencies, Department of Energy programs, April and May 2009.
20. U.S House of Representatives, American Chemical Society, Staff Briefing, March 27, 2009.
21. Texas Senate Energy Briefing, Global Energy and Carbon Sequestration, February 27, 2009.
22. Texas House Energy Briefing, Global Energy and Carbon Sequestration, February 16, 2009.
23. Letter to President-elect Barack Obama on important considerations for U.S. energy policy, December 2008.
24. Letter to Chairman Byron Dorgan and Ranking Member Domenici of Senate Energy and Water Appropriations Subcommittee on funding levels for Department of Energy programs, August 2008.
25. Testimony to the Blue Dog Briefings, Energy Myths and Realities, June 18, 2008.
26. Testimony presented to The Senate Republican Conference Forum, Fossil Fuels and Carbon Sequestration, June 2, 2008.
27. Testimony presented to the Texas House Carbon Management Caucus, Carbon Sequestration in Texas Fossil Fuels, Alternatives, Carbon Sequestration and the Economy: Challenges and Opportunities, June 10, 2008.
28. Letter to Chairman Bingaman and Ranking Member Murkowski of Senate Energy and Natural Resources Committee in support of Strengthening Education and Training in the Subsurface Geosciences and Engineering for Energy Development Act of 2009, April 2008.
29. Testimony presented to Texas House Energy Committee Hearing, Energy & CO₂: Texas' role in regulation of carbon injection, March 19, 2008.
30. Testimony presented at Texas House Energy Committee Hearing, FutureGen Texas, April 2007.
31. Testimony presented to Texas House Energy Resource Committee, The Energy, Economy, Environment Waltz with a Special Look at Texas, February 2007.
32. Invited testimony presented to Committee of the Whole of the Texas State Board of Education, Austin, Texas, November 2006.
33. Invited panelist at first International Petroleum Technology Conference and Exhibition (IPTC) session *Developing People: Education, Training, and Cultural Diversity*, sponsored by AAPG, EAGE, SEG, and SPE, Doha, Qatar, November 2005.
34. Written proposal submitted to U.S. Senate, *Increasing Domestic Natural Gas Supply: How Can We Increase Domestic Supplies from On-shore and Off-shore Resources?* January 2005.

35. Invited testimony presented to the Committee of the Whole of the Texas State Board of Education, Austin, Texas, May 2004.
36. Written testimony submitted to the House Committee on Appropriations, Subcommittee for Interior and Related Agencies for FY 2005 budget, April 2004.
37. Invited testimony presented to the Texas State Board of Education, *Role of Bureau in Earth Science Education and the Need for Earth Science of Children in Texas*, Austin, Texas, February 2004.
38. Written testimony submitted to the U.S. Senate and House Subcommittee on Interior and Related Agencies for FY 2004 Appropriations, April 2003.
39. Invited panelist on resource usage at National Research Council/National Academy of Engineering Energy Symposium, Washington, DC, October 2001.
40. Invited testimony presented at U.S. Department of Energy Public Hearings on *Oil and Natural Gas Technology: Securing the Nation's Energy Future, Strategic Review of the DOE Oil and Gas Programs*, Denver, Colorado, August 2001.
41. Invited testimony presented to the Subcommittee on Energy of the Committee on Science of the U.S. House of Representatives at the subcommittee's *Hearing on Fiscal Year 2002 Budget Authorization Request for the Department of Energy*, Washington, DC, April 2001.
42. Invited resource witness to Texas House of Representatives Energy Resource Committee, Austin, Texas, March 2001.
43. The future of the Texas oil and gas industry: presented to Texas Energy Coordination Council on behalf of Texas Senate Natural Resources Committee, Austin, Texas (with W. L. Fisher), April 2000.

Public Lectures and Addresses

1. Panel on Decadal Scientific and Technology Directions for the Energy Sector, National Academies of Sciences, Engineering, and Medicine (NASEM) meeting, Panel, Houston, Texas, March 14, 2019.
2. Energy, Carbon and Poverty: Seeking the Radical Middle, Canadian Society of Petroleum Geologists (CSPG) event, Honorary Address, Calgary, Alberta, Canada, February 28, 2019.
3. Carbon, Poverty and the Global Energy Transition, University of Colorado, Invited Talk, Boulder, Colorado, February 27, 2019.
4. The Global Picture and Tying Things all Together, Permian Basin Water In Energy Conference (PBWIEC 2019), Keynote, Midland, Texas, February 20, 2019.
5. The Global Energy Transition: It's Not What You Think, Southern Gas Association TCEPC (Technical Conference on Environmental Permitting & Construction), Keynote, Frisco, Texas, February 15, 2019.
6. Switch On, Chris Bell's Bridging Disciplines Program, Talk, Austin, Texas, February 14, 2019.
7. Switch On, Mary Poteet's Switch Energy Literacy Assessment, Talk, Austin, Texas, February 14, 2019.
8. Energy, Carbon and Poverty, Seeking the Radical Middle, NRECA (National Rural Electric Cooperative Association) event, Keynote, San Antonio, Texas, February 12, 2019.
9. The Role of Hydrocarbons in the Future Energy Mix, Inaugural McCombs Energy Initiative Conference "PERMIAN 2025", Keynote, Austin, Texas, February 8, 2019.
10. Energy Poverty and the Real Energy Transition, UT Energy Week 2019, Luncheon Keynote, Austin, Texas, February 4, 2019.
11. Energy, Poverty, Carbon, and the Role of Natural Gas, Texas Alliance Membership Meeting, Keynote, Graham, Texas, December 6, 2018.
12. The Global Role of Oil and Gas, Vopak event, Keynote, Houston, Texas, December 5, 2018.

13. Energy Poverty, Vopak event, Keynote, Houston, Texas, December 5, 2018.
14. Honor Yourself, Westwood High School National Honor Society Induction Ceremony, Keynote, Austin, Texas, November 10, 2018.
15. Energy Poverty and Carbon: Seeking the Radical Middle, Austin Energy Corporate Learning Week, Keynote, Austin, Texas, November 8, 2018.
16. Deciphering the Rhetoric of “Good” and “Bad” Energy, Private Advisors, Inc. Investor Meeting, Luncheon Keynote, Austin, Texas, November 8, 2018.
17. Natural gas: Fuel for the coming century, Gas Producers Association - Rocky Mountain Chapter Annual Meeting, Keynote, Denver, Colorado, November 7, 2018.
18. Carbon, Poverty and the Energy Transition Challenge, Ascent Management Event, Keynote, Kiawah Island, South Carolina, October 17, 2018.
19. Carbon, Poverty and the Energy Transition Challenge, ExxonMobil, Keynote, Houston, Texas, October 15, 2018.
20. Carbon, Poverty and the Energy Transition Dilemma, Mustang Cat's Power Systems Speaker for the Economic Summit Meeting, Keynote, Waller, Texas, October 12, 2018.
21. An Overview of Texas Energy, Environment, and Economics, OLLI-SAGE Series, "Bureau of Economic Geology: A Speaker Series of Texas Stories on the Environment, Energy and Economics", Keynote, Austin, Texas, October 1, 2018.
22. Energy, Carbon and Poverty: The Energy Transition Challenge, McCombs School: Petrobras Executive Kick Off, Invited Talk, Austin, Texas, October 1, 2018.
23. Carbon, Poverty and the Energy Transition Dilemma, Robert Sakowitz event, Keynote, Houston, Texas, September 29, 2018.
24. Energy, Carbon, and Poverty: Is Compromise Possible, 3rd Annual KBH Center Symposium (Kay Bailey Hutchinson (KBH) Center for Energy, Law and Business), Invited Talk, Austin, Texas, September 27, 2018.
25. Energy, Poverty and Carbon - Seeking the Radical Middle, Liquid Pipeline Roundtable - HR Consortium, Keynote, Louisville, Kentucky, September 26, 2018.
26. Energy, Carbon and Poverty: The Energy Transition Challenge, Theodore Roosevelt Conservation Partnership event, Keynote, Houston, Texas, September 19, 2018.
27. Energy, Poverty and Carbon - Seeking the Radical Middle, Petroleum Equipment & Services Association (PESA) Membership Luncheon, Luncheon Keynote, Houston, Texas, September 18, 2018.
28. The Global Energy Conversation: Should I Observe or Should I Engage?, Latin America & Caribbean Region Student and Young Professional Chapter Leadership Summit, Keynote, Bogota, Colombia, August 24, 2018.
29. Energy, Carbon and Poverty: Seeking the Radical Middle, AAPG Energy Opportunities Conference, Luncheon Keynote, Cartagena, Colombia, August 22, 2018.
30. Session II: The Future Energy Matrix, AAPG Energy Opportunities Conference, Session Chair, Cartagena, Colombia, August 22, 2018.
31. Energy, Poverty, and Climate: Seeking the Radical Middle, Plenary, Brazilian Geological Congress, Rio de Janeiro, Brazil, August 21, 2018.
32. The global energy dialog: stand by and watch, or engage?, Rocky Mountain Association of Geologists (RMAG) Young Professionals, Breakfast Talk, Denver, Colorado, July 26, 2018.
33. Is Renewable Energy “Good” and Fossil Energy “Bad”?, Rocky Mountain Association of Geologists (RMAG), Dinner Talk, Denver, Colorado, July 26, 2018.

34. Energy, Poverty and Carbon: Seeking the Radical Middle, Unconventional Resources Technology Conference (URTeC), Topical Lunch Talk, Houston, Texas, July 23, 2018.
35. Enigmatic Shale, Unconventional Resources Technology Conference (URTeC), Opening Executive Plenary, Houston, Texas, July 23, 2018.
36. Energy, Poverty and Carbon: Seeking the Radical Middle, ConocoPhillips L48 Development Month, Keynote, Houston, Texas, June 21, 2018.
37. The Future of Energy, Resources for Future Generations conference (RFG 2018), Plenary, Vancouver, British Columbia, Canada, June 19, 2018.
38. How Super Basins and Shale Plays May Evolve, AAPG ACE Super Basins Forum, Panel, Salt Lake City, Utah, May 21, 2018.
39. The Role of Oil and Gas in the Global Energy Future, Tudor, Pickering, Holt and Co. Board Meeting, Keynote, Houston, Texas, May 18, 2018.
40. The Role of Oil and Gas in the Global Energy Future, Tudor, Pickering, Holt and Co. Hotter 'N Hell Conference, Keynote, Houston, Texas, May 16, 2018.
41. Energy, Poverty and Carbon: Seeking the Radical Middle, ExxonMobil's Longer Range Research Meeting, Keynote, Austin, Texas, May 15, 2018.
42. The Future of Fossil Fuels, 2018 Texas Energy Council 30th Annual Symposium, Luncheon Keynote, Dallas, Texas, May 10, 2018.
43. The Global Energy Switch: Are Fossil Fuels Finished?, Quantum Energy Partners Investor Meeting, Keynote, Houston, Texas, May 9, 2018.
44. Energy, Environment and Economy: Connecting the Dots, Landis+Gyr Annual Meeting, Keynote, Minneapolis, Minnesota, May 1, 2018.
45. Energy, Poverty and Carbon: Seeking the Radical Middle, PESA (Petroleum Equipment & Services Association) 2018 Annual Meeting, Keynote, Greensboro, Georgia, April 27, 2018.
46. Energy Poverty and Climate: Seeking the Radical Middle, Petroleum Museum/Midland College Energy Leaders series, Keynote, Midland, Texas, April 19, 2018.
47. The Complex Paradox of Shale, SIPES (Society of Independent Professional Earth Scientists) Midland, Keynote, Midland, Texas, April 18, 2018.
48. The Global Energy Scene, Petroleum Geo-Services (PGS), Large Group Keynote, Houston, Texas, March 29, 2018.
49. Overview of Greater Super Basin concept how it might evolve, AAPG Global Super Basin Leadership Conference, Plenary Keynote, Houston, Texas, March 28, 2018.
50. The Role of Hydrocarbons in the Energy Transition, Shell Technology Center Houston, Keynote, Houston, Texas, March 27, 2018.
51. The Future of Fossil Fuels, Dean's Distinguished Speaker Seminar, King Abdullah University of Science & Technology Physical Science and Engineering Division, Keynote, Thuwal, Saudi Arabia, March 8, 2018.
52. Energy, Poverty, and Climate: Seeking the Radical Middle, 13th Middle East Geosciences Conference and Exhibition (Geo 2018), Opening Session Speaker, Sanabis, Bahrain, March 5, 2018.
53. The Global Energy Scene, The International Association of Geophysical Contractors (IAGC) 47th Annual Conference, Keynote, Houston, Texas, February 20, 2018.
54. WKYUAN, Center for Energy Economics Annual Meeting, Luncheon Keynote, Houston, Texas, December 12, 2017.
55. The Global Energy Scene - A Few Things You Might Not Read in the Times, Austin Geological Society meeting, Invited, Austin, Texas, December 4, 2017.

56. The Global Energy Scene: Some things you might not read in the Times, Houston Museum of Natural Science Lecture for educators and the public, Invited, Houston, Texas, November 28, 2017.
57. The Global Energy Scene: Some things you might not read in the Times, PWC Petroleum Academy, Keynote, Houston, Texas, November 28, 2017.
58. The Switch Energy Alliance: The Next Generation of Energy Education, Houston Museum of Natural Science Brown Bag for Docents, Invited, Houston, Texas, November 28, 2017.
59. The Global Energy Scene A few things you might not read in the Times, Claude R. Hocott Lecture in Petroleum Engineering, Lecture, Austin, Texas, November 27, 2017.
60. A brief look at global energy: a few things you might not read in the Times, ExxonMobil Fellows Program, Invited, Austin, Texas, November 14, 2017.
61. What's going on with prices/Geological perspective, Kern County Energy Summit, Keynote, Bakersfield, California, November 8, 2017.
62. Switch, What we have learned since and what we are working on now, Switch Q&A, Austin Energy, Austin, Texas, October 31, 2017.
63. Open Q&A via Skype, Loyola University Honor Class, Invited, New Orleans, Louisiana, October 20, 2017.
64. Global Energy: What You Won't Read in the Times, American Innovations Users Group, Keynote, Austin, Texas, October 17, 2017.
65. Global Energy: What You Won't Read in the Times, Permian Basin Petroleum Pioneers 30th Biennial Celebration, Keynote, Midland, Texas, October 6, 2017.
66. The Role of Shale Gas in the Global Energy Mix, North American Gas Forum, Keynote, Washington, DC, October 2, 2017.
67. The Vital Role of Energy in Ending Energy Poverty, XVI Colombian Geological Congress, Keynote, Santa Marta, Colombia, August 30, 2017.
68. Switch is back!, Bureau of Economic Geology Summer Seminar Series, Luncheon talk, Austin, Texas, August 18, 2017.
69. State of Electric Wholesaler Industry, TransAlta board meeting, Panel with Board of Directors, Alberta, Canada, July 17, 2017.
70. Demystifying Energy, Westminster dinner, Keynote, Austin, Texas, June 25, 2017.
71. The Potential Impact of Unconventional Reservoirs in Mexico, Mexican Association of Oil Companies (AMEXHI) "Unlocking the Unconventional Resources in Mexico", Keynote, Mexico City, Mexico, June 22, 2017.
72. The Impact of Shale Gas on Global Electric Markets in the 21st Century, 2017 Energy Generation Conference, Keynote, Biloxi, Mississippi, June 20, 2017.
73. Geoscience and Governance, AASG Annual Meeting, Session Chair, Branson, Missouri, June 14, 2017.
74. The Three Es, National Rural Utilities Cooperative Finance Corporation (CFC), Keynote, San Antonio, Texas, June 11, 2017.
75. The Importance of Energy, Encana Women's Network Event, Keynote, Calgary, Canada, May 17, 2017.
76. The Importance of Energy, Encana Women's Network Event, Keynote, Denver, Colorado, May 10, 2017.
77. Why We Shouldn't "Keep It in the Ground", SWS AAPG Convention (Southwest Section American Association of Petroleum Geologists), Keynote, Midland, Texas, May 1, 2017.
78. Reconciling energy and economic development with protection of the public health and the environment, Earth Day Texas 2017, Panel, Dallas, Texas, April 21, 2017.

79. Shale Development: Seeking the Radical Middle, Earth Day Texas 2017, Keynote, Dallas, Texas, April 21, 2017.
80. Global Implications of the U.S. Shale Scene: Millennials, It's in Your Hands Now, AAPG ACE 2017 100th APPG Anniversary, Theme 11: Future of Energy: Essential Tools for the Next Generation of Geoscientists (DPA/AAPG), Special Session, Houston, Texas, April 5, 2017.
81. Global Energy Security and Poverty, AAPG ACE 2017 100th APPG Anniversary, Special Session/DEG/EMD forum: "The Next 100 Years of Global Energy Use – Resources, Impacts and Economics," Special Session, Houston, Texas, April 4, 2017.
82. U.S. Energy Security and the Role of Shale, East Texas Geological Society's Prospect and Tech Expo, Keynote, Tyler, Texas, March 28, 2017.
83. Analyst Spotlight: The Bakken Under The Microscope, DUG Rockies: Bakken and Niobrara, Invited Talk, Denver, Colorado, Mar 16, 2017.
84. The University of Texas at Austin Geological Sciences class, *Switch* Question and Answer, Invited Guest Speaker, Austin, Texas, March 9, 2017.
85. Panel Discussion Participation, Marathon Pipe Line LLC (MPL) Senior Leadership Conference, Panel, Findlay, Ohio, March 8, 2017.
86. The Role of Oil and Gas in the Future Energy Mix, Marathon Pipe Line LLC (MPL) Senior Leadership Conference, Keynote, Findlay, Ohio, March 8, 2017.
87. The Crazy World of Energy: What's a SAGE Person to Think?, UT OLLI (Osher Lifelong Learning Institute) Sage, Luncheon Speaker, Austin, Texas, March 1, 2017.
88. The Three E's of America's Energy Future: Energy, Economy, and Environment, NRECA Annual Meeting at Tech Advantage 2017 Conference and Expo, Keynote, San Diego, California, February 27, 2017.
89. Development and Application of User-Inspired Research, Aspen Institute Energy Governance Series, Aspen, talk, Colorado, February 26, 2017.
90. Secure Energy for America, Lawrence Berkeley National Laboratory, Distinguished Scientist Seminar Series, Berkeley, California, February 17, 2017.
91. Energy Security and Energy Poverty, Stanford University Precourt Institute Energy (Pie) & Natural Gas Initiative (NGI) Seminar, invited talk, Stanford, California, February 15, 2017.
92. Secure Energy for America, Lawrence Livermore National Laboratory, Deputy Director for Science and Technology Colloquium, Livermore, California, February 14, 2017.
93. The Critical Role of Efficiency in the Global Energy Future, SPEER (South-central Partnership for Energy Efficiency as a Resource) Summit, Keynote, Austin, Texas, February 7, 2017.
94. The Waltz of the Five Es, Renewable Energy Law Conference, Luncheon Keynote, Austin, Texas, February 1, 2017.
95. Energy, Economy, and Environment and the Importance of Energy Education, PowerSouth Trustee Update, Keynote, Fort Walton Beach, Florida, January 27, 2017.
96. The Three E's of America's Energy Future: Energy, Environment and Economy, North Dakota Association of Rural Electric Cooperatives/Bismarck State College 38th Annual Energy Generation Conference (EGC), Keynote, Bismarck, North Dakota, January 26, 2017.
97. The Three E's of America's Energy Future: Energy, Environment and Economy, North Dakota Association of Rural Electric Cooperatives/Bismarck State College 38th Annual Energy Generation Conference (EGC), Keynote, Bismarck, North Dakota, January 25, 2017.
98. Energy Untangled, Statoil Training Course, Opening Talk, Austin, Texas, January 16, 2017.
99. Energy Security, Energy Poverty, and Peace, SPE/AAPG Africa Energy and Technology Conference, Luncheon Keynote, Nairobi City, Kenya, December 7, 2016.

100. *Switch* screening, SPE/AAPG Africa Energy and Technology Conference, Intro and Question and Answer, Nairobi City, Kenya, December 6, 2016.
101. Africa in the 21st Century; Frontier Plays and Challenges, SPE/AAPG Africa Energy and Technology Conference, Executive Plenary Session, Nairobi City, Kenya, December 5, 2016.
102. Commencement Address, The University of Texas at Austin Jackson School of Geosciences Commencement, Invited Talk, Austin, Texas, December 3, 2016.
103. *Switch* screening, Austin Energy University Forum, Question and Answer, Austin, Texas, November 15, 2016.
104. The Critical Need for Energy Leadership, American Petroleum Institute (API) Annual Meeting Executive Forum, Invited Talk, Amelia Island, Florida, November 14, 2016.
105. The Global Energy Scene: Where Do I Turn? The Geophysical Society of Houston & The SEG Women's Networking Committee "Alchemy of Success Keynote & Cocktails", Keynote, Houston, Texas, November 3, 2016.
106. Energy Untangled, Research Triangle Institute (RTI), Keynote, Raleigh, North Carolina, November 2, 2016.
107. Global Energy 20/20, College of DuPage Natural Resources Symposium Series (Is a Post Carbon Future Possible and How Do We Get There?), Keynote, Glen Ellyn, Illinois, October 27, 2016.
108. Changing the Energy Conversation, ARPA-e Natural Gas Industry Day at Rice University, Keynote, Houston, Texas, October 25, 2016.
109. Oil and Natural Gas Risk and Risk Governance: Four Evidentiary Musings, Aspen Institute Dialogue Series on Shale Production and Governance, Invited Talk, Aspen, Colorado, October 22, 2016.
110. Global Energy, Environment and Economy: Insights for Ecuador, American-Ecuadorian Chamber of Commerce (WebEx), Keynote, Austin, Texas, October 13, 2016.
111. Waltz of the 5 E's, Gulf Coast Energy Summit, Invited Talk, Biloxi, Mississippi, September 29, 2016.
112. Geosciences and Energy: Complex Problems, Integrated Solutions, Real World Impacts, Geological Society of America Pardee Symposium, "Mastery of the Subsurface The Challenge to Improve Subsurface Energy Systems," Keynote, Denver, Colorado, September 25, 2016.
113. *Switch* 20/20, PricewaterhouseCoopers Petroleum Academy, Invited Talk, Houston, Texas, September 19, 2016.
114. The U.S. Shale Scene and Global Implications, Norwegian Consulate Lunch 'n Learn, Luncheon Talk, Houston, Texas, September 19, 2016.
115. Integrated Analysis of Eagle Ford Shale, Developing Unconventionals DUG Eagle Ford Conference and Exhibition, Keynote, San Antonio, Texas, September 13, 2016.
116. Energy Untangled, Latin America Region Student Chapter Leadership Summit, Keynote, Cancun, Mexico, September 9, 2016.
117. Integrated Analysis of Six Major U.S. Shale Gas Basins and Shale Oil Basins: Work Flow, Geology and Original Resource in Place, AAPG/SEG International Conference & Exhibition, talk, Cancun, Mexico, September 9, 2016.
118. Session T20.7 Petroleum Systems and Exploration, Session Chair, International Geological Congress, Cape Town, South Africa, August 31, 2016.
119. The Global Energy Transition: Fundamental Matters, International Geological Congress, Keynote, Cape Town, South Africa, August 31, 2016
120. Energy 20/20 and the role of Texas, Austin Association for Corporate Growth, Luncheon Talk, Austin, Texas, August 10, 2016.

121. Production and Reserve Scenarios for the Eagle Ford Shale: a Multidisciplinary Study, Session Chair, Unconventional Resources Technology Conference (URTeC), San Antonio, Texas, August 2, 2016.
122. Energy, Carbon, Climate, and Renewables, AASG Annual Meeting Breakout Session, Talk, Girdwood, Alaska, June 13, 2016.
123. Energy, AASG Annual Meeting Breakout Session, Session Chair, Girdwood, Alaska, June 13, 2016.
124. Alberta's Electricity Future: A Few Things to Consider, PricewaterhouseCoopers Energy Visions Business Forum, Panel, Calgary, Canada, May 26, 2016.
125. Results from Comprehensive, Integrated Analysis of Six Major U.S. Shale Gas Basins and Shale Oil Basins Original Resource in Place, Reserve, and Production Scenarios Through 2045 (w/Svetlana Ikonnikova), UNECE (United Nations Economic Commission for Europe) Expert Group on Resource Classification Seventh Session, Luncheon Talk, Geneva, Switzerland, April 28, 2016.
126. SWITCH, The Global Energy Transition, UNECE (United Nations Economic Commission for Europe) Expert Group on Resource Classification Seventh Session, Keynote, Geneva, Switzerland, April 27, 2016.
127. *Switch* screening, The Global Energy Transition, UNECE (United Nations Economic Commission for Europe) Expert Group on Resource Classification Seventh Session, Intro and Question and Answer, Geneva, Switzerland, April 27, 2016.
128. Opening remarks, Offshore Carbon Capture and Storage workshop, Austin Texas, April 19, 2016.
129. Natural Gas and The 3 "E's", Southern Gas Association (SGA) Executive Council, Invited Talk, San Antonio, Texas, April 6, 2016.
130. Why Balance Matters: Global Energy in the 21st Century, National Rural Electric Cooperative Association (NRECA) Directors Conference, Invited Talk, Austin, Texas, April 5, 2016.
131. The Role of the Geosciences in Today's World, AGI Earth Science Week Stakeholders Reception, Keynote, Richmond, Virginia, March 15, 2016.
132. The Bureau of Economic Geology: Global Research at the Intersection of Energy, the Environment and the Economy, Oil and Gas Research Center of the Minerals and Energy Ministry, talk, Beijing, China, March 4, 2016.
133. Energy Security and the Global Energy Transition, Oil and Gas Research Center of the Minerals and Energy Ministry, talk, Beijing, China, March 4, 2016.
134. Shale Gas and Shale Oil: The U.S. Experience and its Global Implications (with Svetlana Ikonnikova), Oil and Gas Research Center of the Minerals and Energy Ministry, talk, Beijing, China, March 4, 2016.
135. The Bureau of Economic Geology: Global Research at the Intersection of Energy, the Environment and the Economy, Sinopec, talk, Beijing, China, March 3, 2016.
136. Energy Security and the Global Energy Transition, Sinopec, talk, Beijing, China, March 3, 2016.
137. Shale Gas and Shale Oil: The U.S. Experience and its Global Implications (with Svetlana Ikonnikova), Sinopec, talk, Beijing, China, March 3, 2016.
138. The Bureau of Economic Geology: Global Research at the Intersection of Energy, the Environment and the Economy, RIPED, talk, Beijing, China, March 2, 2016.
139. Energy Security and the Global Energy Transition, RIPED, talk, Beijing, China, March 2, 2016.
140. Shale Gas and Shale Oil: The U.S. Experience and its Global Implications (with Svetlana Ikonnikova), RIPED, talk, Beijing, China, March 2, 2016.

141. The Role of Shale Oil and Shale Gas in the Global Energy Future, Shaanxi Petroleum Association, Unconventional Oil & Gas Exploration and Development Technology Seminar, talk, Beijing, China, March 2016.
142. The University of Texas at Austin Geological Sciences class, *Switch* Question and Answer, Invited Guest Speaker, Austin, Texas, February 11, 2016.
143. UT Law School course on Environmental Issues in Oil and Gas Exploration and Production, *Switch* lecture and Q&A, Austin, Texas, February 4, 2016.
144. Global Energy Outlook, UT AAPG Chapter, Invited Guest Speaker, Austin, Texas, February 4, 2016.
145. Demystifying the Global Energy Scene, PowerSouth trustee's conference, Keynote, Destin, Florida, January 28, 2016.
146. The EffeKts of FracKing: is it All Bad? LAMP (Learning Activities for Mature People), Invited Talk, Austin, Texas, January 14, 2016.
147. Short- and Long-Term Outlook for Oil & Natural Gas, UT Energy Journalism Workshop, Keynote, Austin, Texas, January 12, 2016.
148. Unconventional Reservoirs: Ideas to Commercialization, 2015 AGU (American Geophysical Union) Fall Meeting, Invited Talk, San Francisco, California, December 17, 2015.
149. Geoscientists and the Radical Middle, 2015 AGU (American Geophysical Union) Fall Meeting, Invited Talk, San Francisco, California, December 15, 2015.
150. Demystifying Energy, National Autonomous University of Mexico (UNAM), Invited Talk, Mexico City, Mexico, December 10, 2015.
151. The Evolving Energy Mix and its Impact on Mexico, Susteinergy Conferencia Los Retos del Futuro de la Energia (Conference on Future Challenges of Energy), Keynote, Mexico City, Mexico, December 9, 2015.
152. The Global Energy Transition, Unfolding Energy, Keynote, Des Moines, Iowa, December 3, 2015.
153. The Future Role of Natural Gas in the North American and Global Economy, Spectra Energy, Invited Talk, Houston, Texas, November 11, 2015.
154. Demystifying Energy, Penn State Hochreiter Distinguished Lecturer in Nuclear Engineering, State College, Pennsylvania, October 29, 2015.
155. *Switch* screening, Penn State University, Intro and Question and Answer, State College, Pennsylvania, October 28, 2015.
156. US Shale Gas: An Integrated Approach, Arthur Motta's Penn State "Issues in Nuclear Engineering" undergraduate class, Invited Lecture, State College, Pennsylvania, October 28, 2015.
157. A Fracking Reality Check, The Texas Tribune Festival, Panel, Austin, Texas, October 17, 2015.
158. Demystifying Energy, Global Needs and LNG, 2015 International LNG in BC Conference, Keynote, Vancouver, British Columbia, Canada, October 16, 2015.
159. The Big Picture - Energy, Global Needs and LNG, 2015 International LNG in BC Conference, Keynote, Vancouver, British Columbia, Canada, October 16, 2015.
160. "A Fracking Education" – Facts and Myths around Natural Gas Extraction, North American Gas Forum, Panel, Washington, DC, October 6, 2015.
161. The Role of Natural Gas in the Energy, Environment, Economy Nexus, The Gas Machinery Research Council (GMRC) Gas Machinery Conference, Opening Luncheon Talk, Austin, Texas, October 5, 2015.

162. 2040: The Journey and the Destination - Diverse Perspectives, Society of Petroleum Engineers Annual Technical Conference and Exhibition (SPE ATCE), Opening Panel Session, Houston, Texas, September 28, 2015.
163. Opening Mexico: A Bold Initiative at a Critical Time, GCAGS (Gulf Coast Association of Geological Societies) 65th Annual Convention, Invited Talk, Houston, Texas, September 22, 2015.
164. Geo Generations: 60 Years in the “Patch” and Counting, GCAGS (Gulf Coast Association of Geological Societies) 65th Annual Convention, Invited Talk, Houston, Texas, September 22, 2015.
165. Demystifying Energy, PricewaterhouseCoopers Petroleum Academy, Keynote, Houston, Texas, September 21, 2015.
166. On the Energy Horizon: Offshore CCS, Induced Seismicity, and Deep Borehole Waste Disposal, Energy Council Annual meeting, Breakfast Talk, San Antonio, Texas, September 19, 2015.
167. The Global Energy Landscape, Pegasus Bank, Luncheon Talk, Dallas, Texas, September 16, 2015.
168. The Role of Nuclear Power in the Global Energy Future, Nuscale Power Exposition, Keynote, Corvallis, Oregon, August 20, 2015.
169. Demystifying Energy, KentPresents, Moderate Energy Panel, Kent, Connecticut, August 14, 2015.
170. It's tough to make predictions, especially about the future, 27th Annual Texas Environmental Superconference, Luncheon Keynote, Austin, Texas, August 6, 2015.
171. Global Energy Dynamics and the Impact on Texas, Texas Electric Cooperatives Annual Meeting, Keynote, Austin, Texas, August 4, 2015.
172. TexNet and CISR, Invited Talk, Texas Alliance of Energy Producers, Houston, Texas, August 4, 2015.
173. State Surveys: Structuring for growth, regardless of size, AASG Annual Meeting, Invited talk Breakout Session, Flagstaff, Arizona, June 15, 2015.
174. Shale Gas: Bubble or Boom and Possible Impact on Nuclear Energy, American Nuclear Society 2015 Annual Meeting, Opening Plenary, San Antonio, Texas, June 8, 2015.
175. State of research regarding shale development, Aspen Institute Modern Shale Production Forum, Discussant Opening Session, Invited talk, Aspen, Colorado, June 7, 2015.
176. The Global Energy Landscape and a Few Key Challenges, US Energy Annual Energy Conference, Invited talk, Minneapolis, Minnesota, June 4, 2015.
177. Fracking: U.S. Bubble or Coming Boom? 38th IAEE International Conference: Dual Closing Plenary Session: International Implications of US Energy Renaissance, Invited talk, Antalya, Turkey, May 27, 2015.
178. Workshop: Shale Gas in North America, 38th IAEE International Conference, workshop, Antalya, Turkey, May 24, 2015.
179. The US Energy Scene: Have We Been Here Before? EnerVest Annual Investor Meeting, Keynote, Houston, Texas, May 19, 2015.
180. Global Energy: Have We Been Here Before? Thompson & Knight Oil & Gas Luncheon, Keynote, Dallas, Texas, May 13, 2015.
181. State of Tomorrow - Energy, Environment and the Economy, Missouri River Energy Services 2015 Annual Meeting and 50th Anniversary, Keynote, Sioux Falls, South Dakota, May 6, 2015.
182. Global Energy: Seeking the Radical Middle, GeoConvention 2015, Keynote, Calgary, Alberta, Canada, May 4, 2015.
183. The Energy, Water, Land Nexus and its Impact on Texas, San Antonio Business and Economic Society (SABES), Luncheon Keynote, San Antonio, Texas, April 29, 2015.

184. Global Energy: Have We Been Here Before? Gardere 9th Annual Energy of Energy, Keynote, Houston, Texas, April 28, 2015.
185. The Upsides of a Down Cycle, Bureau of Economic Geology Industry Day, Houston, Texas, April 28, 2015.
186. *SWITCH*, The Global Energy Transition, Sempra Leadership Meeting, Keynote, Palm Desert, California, April 9, 2015.
187. Academic Industry Government Partnerships, Monterrey Tec Board visit, Invited panel, Austin, Texas, March 25, 2015.
188. The Global Energy Scene, UT Electrical and Computer Engineering Faculty Monday Lunch Meeting, luncheon talk, Austin, Texas, March 23, 2015.
189. Global Energy and the Switch Energy Project, Nebraska Municipal Power Pool (NMPP) Energy Annual Meeting & Conference, Invited talk, Gering, Nebraska, March 12, 2015.
190. Global Energy Outlook, Texas Bankers Association Real Estate, Oil and Gas Conference, Keynote, San Antonio, Texas, March 5, 2015.
191. Technology and the Global Energy Transition, Baker Hughes Annual Technology Week, Keynote, Houston, Texas, February 25, 2015.
192. Mexican Energy Reform: Economic Expansion for Mexico and the Americas, Kay Bailey Hutchinson Symposium, Invited panel, Austin, Texas, February 20, 2015.
193. Global Energy and a Few Key Challenges, Sempra Board meeting, San Diego, California, strategic, February 19, 2015.
194. Global Energy and a Few Key Challenges, Sempra Headquarters, Keynote, San Diego, California, February 19, 2015.
195. Augmenting Seismic Network Coverage in Cases of Possibly Triggered Seismicity and TexNet, Stanford Center for Induced and Triggered Seismicity (SCITS) meeting, discussion, Stanford, California, February 18, 2015.
196. Fault Mapping in Texas, Stanford Center for Induced and Triggered Seismicity (SCITS) meeting, discussion, Stanford, California, February 18, 2015.
197. The Impact of the Shale Revolution, Energy Week 2015 Town Hall Meeting, Invited panel, Austin, Texas, February 16, 2015.
198. The University of Texas at Austin Geological Sciences class, *Switch* Question and Answer, Austin, Texas, February 12, 2015.
199. State of Play: Shale Development and Water, Forum on Shale Development and Water Resources in Texas, chair panel, Austin, Texas, February 5, 2015.
200. Texas Water Resources... Known Knowns; Known Unknowns; and Unknown Unknowns, Forum on Shale Development and Water Resources in Texas, chair panel, Austin, Texas, February 5, 2015.
201. Global Energy 2015: Hang on for the Ride, Southern Gas Association, Luncheon Keynote, San Antonio, Texas, February 2, 2015.
202. The Impact of the Shale Gale on Texas, Texas Electric Cooperatives Managers' Conference, Invited talk, Austin, Texas, January 14, 2015.
203. The Impact of the Shale Gale on Texas, Texas Electric Cooperatives Directors' Conference, Invited talk, Austin, Texas, December 5, 2014.
204. Natural Gas: Fortune or Folly, AGI Critical Issues Forum, Fort Worth, Texas, Keynote, November 19, 2014.
205. Global Energy: In Search of the Radical Middle, Canadian Society of Petroleum Geologists (CSPG) and Canadian Society of Exploration Geophysicists (CSEG) 2014 Annual Address, Calgary, Canada, honorary address, November 17, 2014.

206. Energy Generation(s): A 60-Year Perspective, Colorado School of Mines Van Tuyl lecture/Distinguished Weimer Lecture, Golden, Colorado, Invited lecture, November 13, 2014.
207. U.S. Shale Gas in 2030, The Oilfield Breakfast Forum, Houston, TX, Invited panel, October 31, 2014.
208. Subsurface Nanosensing, The Oilfield Breakfast Forum, Houston, TX, Invited panel, October 31, 2014.
209. The Role of Shale Gas in the U.S. Energy Transition, Recoverable Resources, Production Rates, and Implications, Overview and Geology, Rice Sloan Study Conference, Houston, TX, Invited panel, October 30, 2014.
210. US Oil and Gas: Technology, Trends and Alternatives, ALLETE Board of Directors meeting, Duluth, MN, strategic talk, October 27, 2014.
211. Secure Energy and the Role of Sustainability, GSA 2014 Annual Meeting, Vancouver, Canada, Invited topical session, October 19, 2014.
212. Talent Through Diversity, GSA 2014 Annual Meeting, Vancouver, Canada, Invited topical session, October 19, 2014.
213. The Three “Es” Of America’s Energy Future – Energy, Environment & Economy, American College of Environmental Lawyers (ACOEEL) Annual Meeting, Austin, Texas, Keynote, October 17, 2014.
214. Geo Generations, A Sixty Year Account (with Tom Tinker), University of Michigan Alumni Advisory Board, Ann Arbor, Michigan, Distinguished Alumni lecture, October 10, 2014.
215. The Waltz of the Five Es: Energy, Environment, Economy, Efficiency and Education, Governor Phil Bryant’s 3rd Annual Energy Summit, Jackson, Mississippi, Lecture, October 8, 2014.
216. The Role of Shale Gas in North American and Global Power Markets, Gulf Coast Power Association (GCPA) Fall Conference, Austin, Texas, Luncheon Keynote, October 1, 2014.
217. The 21st Century Energy Industry: It’s in Your Hands Now!, Devon Technology Conference, Oklahoma City, Oklahoma, Evening Keynote, September 30, 2014.
218. *Switch* screening, Devon Technology Conference, Oklahoma City, Oklahoma, Introduction and Question and Answer, September 30, 2014.
219. ND Energy: Opportunities and Challenges, ALLETE annual meeting, Grand Rapids, Minnesota, Invited panel, September 24, 2014.
220. Anatomy of the US Energy Boom, ALLETE annual meeting, Grand Rapids, Minnesota, Keynote, September 24, 2014.
221. Energy and the Environment: Seeking the Radical Middle, SPE Environmental Stewardship in Oil and Gas Development, Austin, Texas, Luncheon Keynote, September 23, 2014.
222. U.S. Shale Gas in 2013: Impact and Options, Schlumberger Regional Forum for Unconventionals, Oklahoma City, Oklahoma, evening Keynote, September 22, 2014.
223. Adapting for Change: Stories from “The Patch,” Pricewaterhouse Coopers Petroleum University, Houston, Texas, Keynote, September 16, 2014.
224. Energy Security, Economy & the Environment, WPPI Energy annual meeting, Wisconsin Dells, Wisconsin, Keynote, September 11, 2014.
225. Marcellus Shale: “Bottom Up” Integrated Assessment of Future Production and Reserves, Unconventional Resources Technology Conference (URTeC), Denver, Colorado, Invited panel, August 27, 2014.
226. Unconventional Reservoir Future: Science, Technology, and Economics, Unconventional Resources Technology Conference (URTeC), Denver, Colorado, Luncheon Keynote, August 25, 2014.

227. Global Energy Dynamics and the Impact on US Markets, Southern Gas Association meeting, New Orleans, Louisiana, Keynote, July 28, 2014.
228. The Future of US Shale Gas, Houston Producers Forum, Houston, Texas, Luncheon Keynote, July 15, 2014.
229. Global Energy – What Will it Take to Make the Switch, TCEQ Summer Intern Conference, Austin, Texas, Invited talk, July 10, 2014.
230. The Role of Shale Gas in North American and Global Power Markets, DTE Energy Gas Midstream meeting, Bay Harbor, Michigan, Keynote, July 7, 2014.
231. Global Energy Trends, Mitsubishi, Tokyo, Japan, strategic, June 24, 2014.
232. U.S Shale Gas: Future Production, Environmental Impacts and Fuel Options, Associated Electric Cooperative annual meeting, Branson, Missouri, Keynote, June 10, 2014.
233. NOC Performance in an Internationally Competitive Business Environment, Congreso Mexicano del Petroleo in Acapulco (Asociacion Mexicana de Geologos Petroleros {AMGP}), Acapulco, Guerrero, Mexico, Luncheon Keynote, June 5, 2014.
234. Broad energy discussion, Sempra Energy senior management, Invited talk, Laguna Beach, California, May 29, 2014.
235. A brief look at the global energy scene, Rotary Club of Austin, Austin, TX, Invited talk, May 20, 2014.
236. US shale and the future of energy production, 9th Annual South Texas Money Management (STMM) Energy Symposium, San Antonio, Texas, Keynote, May 14, 2014.
237. Global Energy and the Role of Technology, ExxonMobil Research and Engineering Company's R&D leadership community meeting, Basking Ridge, New Jersey, Keynote, May 6, 2014
238. Energy and Environment Session, Council of Scientific Society Presidents (CSSP), Washington, DC, Panel, May 5, 2014.
239. Environmental Risks and Economic Benefits of Hydraulic Fracturing, PowerSouth Energy Cooperative Board Meeting, Andalusia, Alabama, Keynote, April 25, 2014.
240. *Switch* screening, Ohio State University, Columbus, Ohio, Introduction and Question and Answer, April 14, 2014.
241. Musings on Academic-Industry Partnerships, BEG Industry Day, Austin, Texas, Luncheon Keynote, April 11, 2014.
242. The Future of US Shale, AAPG ACE, Houston, Texas, Luncheon Keynote, April 9, 2014.
243. Shale Gas Reserves and Production: Accelerators and Inhibitors, AAPG ACE, panel moderator, Houston, Texas, April 8, 2014.
244. Global Energy: It's in Your Hands Now, BHP Billiton Petroleum, Houston, Texas, Invited Lecture, April 2, 2014.
245. Reserve and Production Forecasts for the Barnett, Fayetteville and Haynesville Shale Gas Systems, East Texas Geological Society, Tyler, Texas, Invited talk, April 1, 2014.
246. *Switch*, LBJ Alliance for Energy Policy, Question and Answer and discussion, Austin, Texas, March 28, 2014.
247. Unconventional Oil and Gas: Mountain or Molehill? UT FORUM, Austin, Texas, Invited Lecture, March 28, 2014.
248. Defining Impact of Shale Gas to the Utility Industry, Oracle Industry Connect Conference, Boston, Massachusetts, Keynote, March 26, 2014.
249. State of Tomorrow, American Public Power Association, CEO Roundtable, Keynote, Phoenix, Arizona, March 25, 2014.

250. The 21st Century Energy Industry: It's in Your Hands now! BP Challenge Summit, Keynote, Houston, Texas, March 20, 2014.
251. The 21st Century Energy Scene: It's not your Father's Industry! Women's Energy Network, Keynote, Dallas, Texas, March 18, 2014.
252. Shale and the Global Energy Future, 67th Ohio Oil and Gas Association Winter meeting, Keynote, Columbus, Ohio, March 7, 2014.
253. Global Energy and the Role of Shale, Michigan Oil and Gas Association (MOGA), Keynote, Traverse City, Michigan, February 21, 2014.
254. US Shale Gas Reserve and Production Forecasts and Implications for Shale Oil, Microseismic Client meeting, Houston, Texas, Keynote, February 19, 2014.
255. Southern Gas Association (SGA), The Impact of Shale on North American and Global Gas Markets, Keynote, Austin, Texas, February 18, 2014.
256. The Impact of Shale on the North American and Global Gas and Oil Markets, General Electric Co. Leadership Team, Keynote, Charleston, South Carolina, February 5, 2014.
257. The 21st Century Energy Industry: Students, It's in Your Hands now!, University of North Carolina, distinguished lecture, Charlotte, North Carolina, February 4, 2014.
258. UT Austin Geological Sciences class, *Switch* Question and Answer, Austin, Texas, January 30, 2014.
259. The Global Energy Transition: An Objective Look at Drivers and Pace, UT School of Law 9th Annual Renewable Energy Law Conference, Keynote, Austin, Texas, January 29, 2014.
260. The Role of Shale Gas in the US Energy Future, AAPG and the Division of Professional Affairs, Playmaker 2.0, Luncheon Keynote, Houston, Texas, January 23, 2014.
261. A Brief Update on US Core Repositories, New Generation Technology in Deep Carbon Science Symposium, Rice University, Invited talk, Houston, Texas, January 15, 2014.
262. An Objective Look at 21st Century Energy, UT QUEST, Invited talk, Austin, Texas, January 14, 2014.
263. Global Energy Market Overview, Farm Foundation, NFP Round Table, Invited panelist, Houston, Texas, January 9, 2014.
264. *Switch* screening, Industry Council on the Environment (ICE), Question and Answer and Discussion, Austin, Texas, December 12, 2013.
265. The Role of Oil and Gas in Today's Global Energy Scene, Williston Basin Chapter of the American Petroleum Institute (API), Keynote, Williston, North Dakota, December 5, 2013.
266. Global Implications of Shale Gas, MITRE Corporation, Invited panelist, McLean, Virginia, December 4, 2013.
267. *Switch* screening, University of Illinois Urbana-Champaign, Introduction and Question and Answer, Champaign, Illinois, December 3, 2013.
268. Ramblings on decarbonization, University of Illinois Urbana-Champaign, Invited dinner remarks, Champaign, Illinois, December 3, 2013.
269. The Role of Shale Gas in the US Energy Future, University of Illinois Urbana-Champaign, Invited Lecture, Champaign, Illinois, December 3, 2013.
270. Will the shale boom last? Texas Monthly/Rice University energy panel, Invited panelist, Houston, Texas, November 19, 2013.
271. The Role of Oil and Gas in Today's Global Energy Scene, ConocoPhillips, The Woodlands, Texas, Keynote, November 18, 2013.
272. Leaving our Corners: Leadership in Today's Global Energy Scene, Southern Gas Association, Keynote, Kiawah, South Carolina, November 18, 2013.

273. *Switch* screening, The University of Arizona, Introduction and Question and Answer, Tucson, Arizona, November 6, 2013.
274. Leaving our Corners: Bringing Government, Industry, Academia and NGOs Together, Interstate Oil and Gas Compact Commission (IOGCC) annual meeting, Invited talk, Long Beach, California, November 5, 2013.
275. The Future of U.S. Shale Reservoirs, Interstate Oil and Gas Compact Commission (IOGCC) annual meeting, Invited talk, Long Beach, California, November 5, 2013.
276. *Switch* screening, Center of Science and Industry (COSI), Introduction and Question and Answer, Columbus, Ohio, November 1, 2013.
277. Leaving our Corners: Real Change in Today's Global Energy Climate, Invited Keynote, IHS Explore: Energy, Houston, Texas, October 30, 2013.
278. Global Energy and the Role of Geosciences: A North American Perspective, talk, GSA Annual Meeting and Exposition: Special Authors Session, Denver, Colorado, October 27, 2013.
279. State Geologist Panel - State Geological Surveys; Critical to Public Health, Welfare, and Economy, Invited panel, AIPG Annual meeting, Broomfield, Colorado, October 24, 2013.
280. *Switch* screening, Dallas Petroleum Club, Introduction and Question and Answer, Dallas, Texas, October 23, 2013.
281. Environmental Risks and Economic Benefits of Hydraulic Fracturing, Invited Keynote, The Association of Edison Illuminating Companies, Kiawah, South Carolina, October 17, 2013.
282. What the "Frack" is Going on in Global Energy? Invited Keynote, EDF Trading North America Annual Energy Conference, South Bend, Indiana, October 9, 2013.
283. The 21st Century Energy Industry: It is Your World Now, Invited talk, Petroleum Academy / PricewaterhouseCoopers, Houston, Texas, October 1, 2013.
284. The 21st Century Energy Mix, Invited Keynote, Imperial College Oil Technology Centenary Conference 2013, London, England, September 23, 2013.
285. *Switch* screening, Imperial College - Oil Technology Centenary Conference 2013, Introduction and Question and Answer, London, England, September 23, 2013.
286. Adapting to Change: Stories from "The Patch", Invited talk, PricewaterhouseCoopers, Houston, Texas, September 17, 2013.
287. *Switch* screening, ECP Forum, Technie Oil & Energy, Introduction and Question and Answer, Quito, Ecuador, September 11, 2013.
288. FraKs, NuKes, and Koal: What Latin America can learn from the global K's, Invited luncheon talk, AAPG ICE, September 9, 2013.
289. Shale gas reserve and production forecasting: it takes a team, Invited talk, Unconventional Energy workshop, Austin, Texas, September 4, 2013.
290. Plenary Panel Moderator, Unconventional Resources Technology Conference (URTEC), Denver, Colorado, August 12, 2013.
291. *Switch* screening, South Metro Denver Chamber, Question and Answer, Denver, Colorado, August 12, 2013.
292. Global Energy Trends, Invited talk, Huntington Ingalls Industries, Newport News, Virginia, August 8, 2013.
293. *Switch* screening, Repsol, Introduction and Question and Answer, Woodlands, Texas, July 9, 2013.
294. *Switch* screening, Independent Petroleum Association of America (IPAA), Introduction, Dana Point, California, June 25, 2013.

295. The Future of U.S. Shale and the role of the independent, Invited talk, Independent Petroleum Association of America (IPAA), Dana Point, California, June 25, 2013.
296. *Switch* screening, King & Spalding, Question and Answer, Houston, Texas, June 19, 2013.
297. What the Frack is Going on with Global Energy? Keynote address, Southwestern Energy, Houston, Texas, June 19, 2013.
298. K is for, Keynote address, Society of Independent Professional Earth Scientists (SIPES), Santa Fe, New Mexico, June 18, 2013.
299. *Switch* screening, New England Aquarium, Introduction and Question and Answer, Boston, Massachusetts, May 30, 2013.
300. Global Hydrocarbon Supply Outlook, Keynote address, U.S. Energy Services, Minneapolis, Minnesota, May 15, 2013.
301. *Switch* screening, U.S. Green Building Council, Introduction and Question and Answer, Austin, Texas, May 13, 2013.
302. *Switch* screening, HRC 10th Anniversary Celebration, Introduction and Question and Answer, Houston, Texas, May 9, 2013.
303. Global Energy Outlook: Adapting to Evolving Energy Portfolios and Shifting Demands, Invited panel moderator, Offshore Technology Conference, Next Wave program, Houston, Texas, May 6, 2013.
304. GSA *Switch* screening, University of Southern California, Introduction and Question and Answer, Los Angeles, California, May 2, 2013.
305. A Global View of Shale, Invited panel member, PricewaterhouseCoopers, World Affairs Council of Houston, Houston, Texas, May 1, 2013.
306. The Switch Energy Project, Keynote address, Potential Gas Committee, Marco Island, Florida, April 29, 2013.
307. The Role of Unconventional Oil and Gas Reservoirs in the Global Energy Future, Keynote address, JASON Program Office - The MITRE Corp, McLean, Virginia, April 26, 2013.
308. GSA *Switch* screening, University of California, Davis, Introduction and Question and Answer, Davis, California, April 23, 2013.
309. The role of natural gas in the global energy future, Keynote address, Airgas, Inc., Radnor, Pennsylvania, April 22, 2013.
310. *Switch* virtual screening, Southern Union Gas, Question and Answer, Austin, Texas, April 19, 2013.
311. UT-Austin Energy Summit, Invited panel member, Houston, Texas, April 18, 2013.
312. Energy Independence: To Frack or not to Frack, Luncheon Keynote, Shell Alumni Group, Austin, Texas, April 17, 2013.
313. Role of hydraulic fracturing in the global future, Keynote address, Fairmount Minerals, Houston, Texas, April 16, 2013.
314. Global energy overview and discussion, Keynote address, Fairmount Minerals, Houston, Texas, April 16, 2013.
315. State of Tomorrow – Energy, Environment and the Economy, Keynote address, Gas Compressor Association, Galveston, Texas, April 15, 2013.
316. GSA *Switch* screening, Montana State, Introduction and Question and Answer, Bozeman, Missouri, April 11, 2013.
317. Developments in Mudrocks, nanosensors, and energy alternatives: three things of interest to Denver energy executives, Luncheon Keynote, First Tuesday, Denver, Colorado, April 2, 2013.

318. Subsurface nanosensors, mudrock reserves, and alternative energy: three things of interest to the IOR community, Keynote address, University of Kansas TORP Improved Oil Recovery Conference, Wichita, Kansas, April 1, 2013.
319. *Switch* screening, W. Virginia University, Talk and Question and Answer, Morgantown, West Virginia, March 19, 2013.
320. Open Forum Discussion with broad suite of interest groups on Global Energy, talk, Senate SHJ Event at the Wellington City Art Gallery, Wellington, New Zealand, March 14, 2013.
321. *Switch* screening, Industry and university group, Introduction and Question and Answer, Taranaki New Zealand, March 14, 2013.
322. *Switch* screening, Geological Survey of New Zealand (GNS), Introduction and Question and Answer, Wellington, New Zealand, March 13, 2013.
323. The Global Energy Mix, Luncheon Keynote, Business New Zealand, Wellington, New Zealand, March 13, 2013.
324. *Switch* screening, VIP, Introduction and Question and Answer, Wellington, New Zealand, March 12, 2013.
325. *Switch* screening, World Bank, Introduction and Question and Answer, Washington, DC, February 28, 2013.
326. K is for..., Keynote address, UT Energy Forum, Austin, Texas, February 21, 2013.
327. Interim Report on Shale Gas Supply Project and Preliminary Thoughts about Extensions to Shale Oil, Report, Sloan Foundation, New York, New York, February 13, 2013.
328. The U.S. Energy Scene, Keynote address, U.S. Business Council on Sustainable Development's Winter Meeting, Austin, Texas, February 7, 2013.
329. Unconventional Oil and Gas Reservoirs: Mountain or Molehill? Keynote address, Oklahoma City University lecture series, Oklahoma City, Oklahoma, February 5, 2013.
330. The Changing Mix of Energy Sources and the Future American Standard of Living, Luncheon Keynote, St. David's Forum, Austin, Texas, January 17, 2013.
331. The Global Energy Transition: What will it take to make the Switch, Lecture, Collegiate Peaks Forum Series, Bueno Vista, Colorado, January 4, 2013.
332. K is for..., Keynote address, Comparative Energy Policies and Technologies in France and the USA, Austin, Texas, December 17, 2012.
333. Energy Security, Luncheon Keynote, Museum of Natural Science, Houston, Texas, November 13, 2012.
334. *Switch* screening, Austin Geological Society, Introduction and Question and Answer, Austin, Texas, November 12, 2012.
335. Global Energy Security: Parameters and Limits, U.S. Association of Energy Economics (USAEE), Invited panel member, Austin, Texas, November 7, 2012.
336. *Switch* screening, University of Texas Geological Energy and Environmental Leadership Organization, Question and Answer, Austin, Texas, November 7, 2012.
337. The Global Energy Transition, Geological Society of America, Luncheon Keynote, Charlotte, North Carolina, November 6, 2012.
338. GSA *Switch* screening, University of California Berkeley, Question and Answer, Berkeley, California, October 29, 2012.
339. The Fertile Crescent of Energy, Keynote address, Gulf Coast Association of Geological Societies Annual Conference, Austin, Texas, October 21, 2012.
340. GSA *Switch* screening, University of Michigan, Question and Answer, Ann Arbor, October 18, 2012.

341. Unconventional Oil and Gas: Mountain or Molehill? Keynote address, Famous Austinites Speaker Series, Headliners Club, Austin, Texas, October 17, 2012.
342. GSA *Switch* screening, Colorado School of Mines, Question and Answer, Grand Junction, Colorado, October 10, 2012.
343. GSA *Switch* screening, University of Colorado, Boulder, Question and Answer, Boulder, Colorado, October 9, 2012.
344. GSA *Switch* screening, Stanford University, Question and Answer, Stanford, California, October 8, 2012.
345. Switch: The Global Energy Transition, Keynote address, Society of Petroleum Engineers Annual Technical Conference and Exhibition, San Antonio, Texas, October 7, 2012.
346. GSA *Switch* screening, MIT, Question and Answer, Cambridge, MA, October 3, 2012.
347. GSA *Switch* screening, Rensselaer Polytechnic Institute, Question and Answer, Troy, NY, October 2, 2012.
348. GSA *Switch* screening, Duke University, Question and Answer, Durham, NC, October 1, 2012.
349. GSA *Switch* screening, Rice University, Question and Answer, Houston, Texas, September 28, 2012.
350. GSA *Switch* screening, Texas Christian University, Question and Answer, Fort Worth, Texas, September 27, 2012.
351. Unconventional Oil and Gas: Mountain or Molehill? Keynote address, West Texas Geological Society Annual Meeting, Midland, Texas, September 26, 2012.
352. *Switch* screening, West Texas Geological Society, Question and Answer, Midland, Texas, September 25, 2012.
353. *Switch* screening, Trinity University, Question and Answer, San Antonio, Texas, September 24, 2012.
354. *Switch: The Global Energy Transition*, Distinguished Scientists Lecture Series, Trinity University, San Antonio, Texas, September 24, 2012.
355. *Switch* screening, New York City premiere, Question and Answer, New York City, New York, September 20, 2012.
356. *Switch* screening, AAPG International Conference and Exhibition, Question and Answer, Singapore, September 17, 2012.
357. The Global Energy Transition: What will it Take to Make the Switch? luncheon speaker, AAPG International Conference and Exhibition, Singapore, September 17, 2012.
358. Switch: The Global Energy Transition, Keynote address, AAPG Rocky Mountain Section, Grand Junction, Colorado, September 10, 2012.
359. The Global Energy Transition, What Will it Take to Make the Switch? All Convention lunch Keynote Speaker, NAPE, Houston, Texas, August 22, 2012.
360. Unconventional Oil and Gas: Mountain or Molehill? Keynote address, Forestar Speaker Series, Austin, Texas, August 13, 2012.
361. *Switch* screening, International Geological Congress, Question and Answer, Brisbane, Australia, August 9, 2012.
362. Unconventional Oil and Gas: Mountain or Molehill? Plenary Session, International Geological Congress, Brisbane, Australia, August 7, 2012.
363. *Switch* screening, Shell Teacher STEM Conference, Question and Answer, Houston, Texas, August 1, 2012.
364. *Switch* screening, Alaska Tour, Question and Answer, Anchorage, Alaska, July 12, 2012.

365. *Switch* screening, Alaska Tour, Question and Answer, Fairbanks, Alaska, July 11, 2012.
366. *Switch* screening, Alaska Tour, Question and Answer, Barrow, Alaska, July 10, 2012.
367. *Switch* screening, Alaska Tour, Question and Answer, Anchorage, Alaska, July 6, 2012.
368. Changing the Global Energy Conversation, Texas Exes Speaker Series, Keynote address, Austin, Texas, June 22, 2012.
369. The Role of Unconventionals in the Global Energy Future, Keynote address, Williston Basin Petroleum Conference, Bismarck, North Dakota, May 24, 2012.
370. The Role of Unconventionals in the Global Energy Future, Keynote address, Southwest Section, AAPG Annual Meeting, Fort Worth, Texas, May 21, 2012.
371. *Switch* screening, Anadarko, Question and Answer, Houston, Texas, May 17, 2012.
372. The Global Energy Transition, Corpus Christi Geological Society, Luncheon Speaker, Corpus Christi, Texas, May 16, 2012.
373. *Switch* screening, McCombs School of Business with SINOPEC, Question and Answer, Austin, Texas, May 15, 2012.
374. *Switch* screening, Traverse City High Schools, Question and Answer, Traverse City, Michigan, May 10-11, 2012.
375. *Switch* screening, MIT Energy Forum, Question and Answer, Boston, Massachusetts, May 1, 2012.
376. *Switch* screening, American Association of Petroleum Geologists Annual Meeting, Question and Answer, Long Beach, California, April 24, 2012.
377. *Switch* screening, Shell and CIMA, Question and Answer, Houston, Texas, April 17, 2012.
378. *Switch* screening, McCombs School of Business Course, 2-day Lecture Series, Austin, Texas, April 9-10, 2012.
379. *Switch* screening, Jackson School Advisory Council Meeting, Question and Answer, Austin, Texas March 29, 2012.
380. *Switch* screening, Capitol Staff, Question and Answer, Austin, Texas, March 28, 2012.
381. Unconventional Oil and Gas: Mountain or Molehill? Luncheon Speaker, Austin, Texas, April 18, 2012.
382. The Global Energy Transition, East Texas Geological Society, Keynote Address, Tyler, Texas, March 27, 2012.
383. *Switch* screening, Latin American Forum, Question and Answer, Houston, Texas, March 26, 2012.
384. The Role of Unconventionals in the Global Energy Future, AIPG, Keynote Address, Austin, Texas, March 22, 2012.
385. *Switch* screening, American Institute for Petroleum Geologists Annual Meeting, Question and Answer, Austin, Texas, March 22, 2012.
386. *Switch* screening, Question and Answer, New York City, New York, March 21, 2012.
387. *Switch* screening, Question and Answer, New York City, New York, March 20, 2012.
388. *Switch* screening, PricewaterhouseCoopers and CIMA Question and Answer, Houston, Texas, March 19, 2012.
389. *Switch* screening, NAPE Conference, Introduction, Houston, Texas, February 21, 2012.
390. The Global Energy Transition, Washington & Lee University, Keynote Address, Lexington, Virginia, February 15, 2012.

391. The Global Energy Transition, Texas Enterprise Speaker Series, Keynote Address, Austin, Texas, February 7, 2012.
392. The Global Energy Transition, American Association for Petroleum Landman Austin Chapter, Austin, Texas, February 3, 2012.
393. The Global Energy Transition, Keynote Address, Topsides, Platforms, & Hulls Conference, New Orleans, Louisiana, January 31, 2012.
394. BEG State of the Bureau Address, Austin, Texas, January 20, 2012.
395. Global Energy Supply and Demand, Keynote Address, World President's Organization, Houston, Texas, January 24, 2012.
396. *Switch* screening, Question and Answer, Austin, Texas, January 26, 2012.
397. *Switch* screening, Question and Answer, Houston, Texas, January 25, 2012.
398. *Switch* screening, Question and Answer, Houston, Texas, January 24, 2012.
399. The Global Energy Transition, What Will it Take to Make the Switch, Invited talk, Colorado University, Boulder, Colorado, January 18, 2012.
400. The Global Energy Transition, luncheon speaker, SIPES Austin Chapter, Austin, Texas, January 5, 2012.
401. *Switch* screening, Alamo Drafthouse, Question and Answer, Austin, Texas, December 1, 2011.
402. The Future of Global Energy, Keynote Address, PricewaterhouseCoopers, Houston, Texas, November 5, 2011.
403. What the World has Taught Me about Energy this Year, Keynote Address, LBJ School of Law EMEIBL Program, Austin, Texas, November 3, 2011.
404. *Switch* screening, Alamo Drafthouse, Question and Answer, Austin, Texas, October 18, 2011.
405. *Switch* screening, the University of Texas at Austin, Question and Answer, Austin, Texas, October 17, 2011.
406. Energy for the next 20 years, Panel discussion at the SXSW Eco Conference, Austin, Texas, October 5, 2011.
407. Global Energy, Keynote address at the Energy Enlightenment Symposium, Gunnison, Colorado, September 30, 2011.
408. Global Perspective on the Future of Energy, Keynote address at the University of Michigan, Ann Arbor, Michigan, September 26, 2011.
409. What the World has Taught Me about Energy this Year, Keynote address to the Brownsville Public Utility Board, Brownsville, Texas, September 1, 2011.
410. The Role of Shales in Future of Energy Supply, Keynote address to the Society of Petroleum Engineer (SPE) Workshop on Eagle Ford Shale, Austin, Texas, August 24, 2011.
411. What the World has Taught Me about Energy this Year, Keynote address at the Texas Public Power Association Annual Meeting, San Antonio, Texas, July 26, 2011.
412. The Bridge-An Energy Education Project, Keynote address at the NGP 2011 Sante Fe Strategy Seminar, Santa Fe, New Mexico, July 15, 2011.
413. The Future of Global Energy, Keynote address at the Society of Independent Earth Scientists' Future of Global Energy symposium, Dallas, Texas, June 16, 2011.
414. The Future of Energy in Texas, Keynote address at the Nature Conservancy's meeting, Dallas, Texas, June 16, 2011.
415. The Entrepreneurial Survey, Panel presentation at the Association of American State Geologists Annual Meeting, Dubuque, Iowa, June 13, 2011.

416. University-Industry Partnerships: the Advanced Energy Consortium Model, Keynote address at the SPE R&D Symposium, Austin, Texas, June 6, 2011.
417. What the World has Taught me about Energy this Year, Keynote address at the National Regulatory Conference, Williamsburg, Virginia, May 19, 2011.
418. What the World has Taught me about Energy this Year, Keynote address at the South Texas Money Management Energy Symposium, San Antonio, Texas, April 27, 2011.
419. Renewable Energy Options, Invited speaker at the TAMEST Texas Energy Summit, College Station, Texas, April 20, 2011.
420. Energy of the Future: Blanton Museum of Art, Austin, Texas, March 30, 2011.
421. Panel Chair: Unconventional Hydrocarbons, Development Challenges: Latin American Forum, Cartagena, Columbia, March 21, 2011.
422. Energy: Powering the Future: Invited luncheon speaker at the CoRE Education Lecture Series, Colorado School of Mines, Golden, Colorado, March 9, 2011.
423. Global Energy Outlook: Keynote address at TIPRO's 65th Annual Meeting, Austin, Texas, March 1, 2011.
424. Discussion Panel Member at Energy Resources in 20 years panel sponsored by McCombs School of Business, Austin, Texas, February 3, 2011.
425. The Role of Shale Gas in the U.S. Energy Future: Global Implications: Keynote address presented at the GeoIndia, Greater Noida, India, January 13, 2011
426. The AEC and Global Energy: Plenary speaker at the Advanced Energy Consortium's Bi-Annual All Projects Review, Austin, Texas, December 7, 2010.
427. The Bridge – An Update: luncheon presentation at the AGI Foundation's Quarterly Meeting, Houston, Texas, December 3, 2010.
428. Natural Gas in Context: Invited presentation at the Center for Energy Economics Annual Meeting, Houston, Texas, November 30, 2010.
429. A Few Things the World has Taught me About Energy This Year: Keynote address presented at the AIPG Ohio Section Annual Meeting, Columbus, Ohio, November 18, 2010.
430. Bureau Update: Presented at the Jackson School of Geosciences Advisory Council Meeting, Austin, Texas, November 11, 2010.
431. Energy for Future Leaders: Keynote address presented to the Young Men's Business League, Austin, Texas, November 10, 2010.
432. The Global Energy Transition: Presented at the Bureau of Economic Geology, Austin, Texas, October 28, 2010.
433. The Bridge – An Update: Invited speaker at the AAPG Foundation Trustee Associates Annual Meeting, Greensboro, Georgia, October 27, 2010.
434. Global Energy Trends and Technologies: Keynote address at the American Petroleum Institute's Annual Meeting, Atlanta, Georgia, October 18, 2010.
435. Change is Good! Making the Most of Volatility: Keynote address at the GCAGS Annual Meeting, San Antonio, Texas, October 10, 2010.
436. A Few Things the World has Taught me About Energy This Year: Invited speaker at the State of Texas Employee Day, Austin, Texas, October 8, 2010.
437. A Few Things the World has Taught me About Energy This Year: Keynote address at the ConocoPhillips "Global Communicators Conference," Houston, Texas, October 6, 2010.
438. Time, Technology and Transitions: Keynote address at the Ursuline Academy, "Energy, Climate and Water" day, Dallas, Texas, October 1, 2010.

439. A Few Things the World has Taught me About Energy This Year: Keynote address at the PricewaterhouseCoopers Annual Meeting, Houston, Texas, September 22, 2010.
440. The Unconventional Frontier: Where Ideas and Technology Converge: All Convention Luncheon Keynote presented at the AAPG International Convention & Exhibition, Calgary, Canada, September 13, 2010.
441. Leading with Vision: Presented at the Young Professionals Leadership Summit, Tulsa, Oklahoma, August 27, 2010.
442. Electricity Fuel Options for the 21st Century: Keynote presented at the Minnesota Rural Electric Association's Energy Issues Summit, St. Cloud, Minnesota, August 12, 2010.
443. 'The Global Energy Scene' and 'Geologic Carbon Sequestration' (2 lectures): Presented at the National Center for Atmospheric Research, August 10, 2010.
444. A Few Things the World has Taught me About Energy This Year: Keynote presented at the Altria Group's Annual Meeting, July 29, 2010.
445. Micro and Nano Scale Sensors for Oil Exploration & Production (with Jay Kipper): Keynote presented at Advanced Energy Consortium's Annual All Projects Review, Boston, Massachusetts, June 1, 2010.
446. A Few Things the World has Taught me About Energy This Year: Invited guest speaker at the U.S. Energy Services Annual Conference, Minneapolis, Minnesota, May 20, 2010.
447. Natural Gas Supply: Presented at the Sloan Foundation Seminar, New York, New York, May 5, 2010.
448. A Few Things the World has Taught me About Energy This Year: Keynote presented at the IOR Symposium, Tulsa, Oklahoma, April 27, 2010.
449. A Few Things the World has Taught me About Energy This Year: Keynote presented to the West Texas Geological Society, Midland, Texas, April 22, 2010.
450. The Ethical Parameters of AAPG Position Statements: AAPG DPA Lunch Panel on Ethics Invited speaker, AAPG Annual Meeting, New Orleans, Louisiana, April 13, 2010.
451. Bureau of Economic Geology – A Powerful Texas Resource: luncheon address presented during the Texas State Legislative Visit to Pickle Research Center, April 7, 2010.
452. A Few Things the World has Taught me About Energy This Year: Keynote presented at the Oklahoma State University Alumni Banquet, Stillwater, Oklahoma, March 27, 2010.
453. Carbon and Climate: Invited speaker at the Jackson School of Geosciences Latin American Forum, Panama City, Panama, March 22, 2010.
454. Global Energy – Building 21st Bridges: Invited speaker to Reykjavik University, Reykjavik, Iceland, March 5, 2010.
455. The Bridge – A Global Energy Education Documentary: Keynote presented at the Dallas Producers Club, Dallas, Texas, February 25, 2010.
456. Carbon Sequestration: Texas Style, Invited speaker at the 2010 Carbon and Climate Change Conference, Austin, Texas, February 18, 2010.
457. The Three E Waltz: Energy, Economy, and the Environment: Invited speaker at the Air Liquide Corporation North American Senior Leadership Meeting, Lost Pines, Texas, January 22, 2010.
458. U.S. Energy and Carbon: Keynote address presented at the CO₂-EOR Carbon Management Workshop, Houston, Texas, December 8, 2009.
459. The Unconventional Bridge to an Alternate Energy Future (with Eric Potter): Keynote address presented at the GCSSEPM Annual Meeting, Houston, Texas, December 7, 2009.
460. The Role of Unconventional Gas in the Global Energy Future: Invited speaker at the Stanford University – GCEP Energy Seminar, Stanford, California, November 19, 2009.

461. A Few Things the World has Taught me About Energy this Year: Keynote address presented at the Anadarko Deepwater Operations Conference, Galveston, Texas, November 11, 2009.
462. The Bridge – A Global Energy Education Documentary: Keynote address presented at the Women’s Global Leadership Conference, Houston, Texas, November 4, 2009.
463. Size, Scale, and You!: Invited speaker at the Earth Science Week Career Fair, Austin, Texas, October 30, 2009.
464. Electricity Generation Options to Reduce Atmospheric Carbon: Invited speaker at the Clean Carbon Policy Summit and Project Expo, Austin, Texas, October 28, 2009.
465. Global Energy – The Increasing Role of Electricity: Keynote address presented to the Texas Society of Architects, Houston, Texas, October 23, 2009.
466. 21st Century Geoscience: Our Place in the Universe: Invited Speaker at the Texas Earth and Space Science Revolution Program, Austin, Texas, October 22, 2009.
467. Carbon Sequestration and Unconventional Gas: Invited speaker at the Big XII Government Relations Retreat, The University of Texas at Austin, Austin, Texas, October 22, 2009.
468. Global Energy – Building Bridges, Not Walls: Keynote address presented to the Roswell Geological Society, Roswell, New Mexico, October 13, 2009.
469. Developing Intellectual Resources in Geosciences: Keynote address presented at AAPG Mid-Continental Section Meeting, Tulsa, Oklahoma, October 12, 2009.
470. Energy, Economy, and Environmental Policy: a Glimpse at the 21st Century: Invited speaker at a Public Lecture – Dalhousie University, Halifax, Nova Scotia, October 7, 2009.
471. Global Energy: Myths and Realities: Invited speaker at the OTANS CORE Conference, Halifax, Nova Scotia, October 7, 2009.
472. The Current and Future role of unconventional gas in U.S. Energy: Invited speaker at the IOGCC Annual Meeting, Biloxi, Mississippi, October 5, 2009.
473. Conference Chair at E&P Technology Summit, The Woodlands, Texas, September 25, 2009.
474. The 21st Century Bureau: Invited speaker at the Bureau of Economic Geology Centennial Symposium, Austin, Texas, August 7, 2009.
475. Global Energy—Build Bridges, Not Walls: Keynote address presented to The Texas Public Power Association, San Antonio, Texas, July 28, 2009.
476. Oil: Forgotten but not Gone: Presented at the Association of American State Geologists Annual Meeting, Park City, Utah, June 24, 2009.
477. The Fourth E: Presented at the American Association of Petroleum Geologists Annual Meeting, Denver, Colorado, June 7, 2009.
478. Global Energy Security: Build Policy Bridges, not Walls: Keynote address presented at the Schlumberger Meeting, Houston, Texas, May 29, 2009.
479. Global Energy Bridges: Myths, Sound Bites, and Policy: Keynote address presented to the SPE Austin Section, May 20, 2009.
480. Global Energy: Building Bridges, not Walls: Presented at South Texas Geological Society, San Antonio, Texas, May 15, 2009.
481. The Next Wave – Dispelling Myths, Informing People and Creating Ambassadors for our Industry: Panel session at Offshore Technology Conference, Houston, Texas, May 6, 2009.
482. Global Energy Policy—Bridges, Not Walls: Keynote presented at Nano Science and Technology Institute Nanotechnology Conference, Houston, Texas, May 5, 2009.
483. Global Energy Policy—Bridges, Not Walls: Keynote presented at ExxonMobil Upstream Research Company, Galveston, Texas, April 30, 2009.

484. The Impact of Energy Myths, Sound Bites and Dogma on U.S. Energy Policy: Keynote address presented at AAPG Southwest Section Annual Meeting, Midland, Texas, April 27, 2009.
485. Global Energy: Build Bridges, Not Walls: Presented to U.S. Energy Services, Phoenix, Arizona, April 23, 2009.
486. Global Energy: Build Bridges, Not Walls: Keynote presented to Texas Alliance of Energy Producers, Wichita Falls, Texas, April 22, 2009.
487. Advanced Energy Consortium/CO₂ Sequestration: Presented at ExxonMobil Day at The University of Texas at Austin, Austin, Texas, April 18, 2009.
488. Global Energy: Building Industry, Academic and Government Bridges: Presented at Bureau of Economic Geology Industry Day, Austin, Texas, April 15, 2009.
489. Global Energy: Build Bridges, Not Walls: Presented to Emirates Geological Society, Abu Dhabi, United Arab Emirates, April 8, 2009.
490. Energy Security: Build Global Bridges: Presented to Petroleum Institute – Abu Dhabi, Abu Dhabi, United Arab Emirates, April 8, 2009.
491. Global Energy: Build Bridges, Not Walls: Presented to Kuwait Oil Company, April 7, 2009.
492. Global Energy: Build Bridges, Not Walls: Presented to Dhahran Geosciences Society, Dhahran, Saudi Arabia, April 5, 2009. Global Energy: Build Bridges, Not Walls: Presented to Southeast Asia Petroleum Exploration Society, Bangkok, Thailand, March 23, 2009.
493. Global Energy: Build Bridges, not Walls: Presented to StatoilHydro, Bergen, Norway, March 9, 2009.
494. Systematic Variations in the Permian Capitan System: McKittrick Canyon, West Texas and New Mexico, Presented to University of Aberdeen, Aberdeen, Scotland, March 6, 2009.
495. Global Energy, Economy and Policy: What the Heck is Going on? Presented to University of Aberdeen, Aberdeen, Scotland, March 5, 2009.
496. Global Energy Security: Build Bridges, Not Walls: Presented to AAPG Explorationists, Aberdeen, Scotland, March 5, 2009.
497. Global Energy Bridges: Keynote at Opening Ceremony American Association of Petroleum Geologists, APPEX, London, United Kingdom, March 3, 2009.
498. Energy, Economy, and Policy: a Glimpse at the 21st Century: Presented at Gas Well Deliquification Workshop, Denver, Colorado, February 24, 2009.
499. Energy Sound Bites and Counter Bites: Presented at Houston Geological Society Dinner, Houston, Texas, February 9, 2009.
500. Submerged State Lands for CCS: Proposed Research (presentation with Tip Meckel): Presented at Conference Workshop: Practical Aspects of Carbon Capture and Storage, Austin, Texas, February 2, 2009.
501. Global Energy: Myths and Misconceptions: Presented to LAMP, Learning Activities for Mature People, Austin, Texas, January 29, 2009.
502. Fossil Energy: Opportunities in Research: Presented at United Kingdom – Texas Universities Forum: Challenges in Energy Technologies—Defining Collaborative Opportunities, Austin, Texas, January 26, 2009.
503. Global Energy: Build Bridges, Not Walls: Presented to DGS – UT students, Austin, Texas, January 21, 2009.
504. A Brief Look at Natural Gas and the Barnett Shale: Presented to Landmen’s Association, West Lake, Texas, January 12, 2009.
505. Update on AAPG Activities: Presented at AAPG HOD luncheon, Houston, Texas, January 7, 2009.

506. Global Energy—Building 21st Century Bridges: Presented at SEAPEX Board Meeting, Singapore, December 5, 2008.
507. Climate Change & Environment, Panel Co-moderator at International Petroleum Technology Conference Panel Session, Kuala Lumpur, Malaysia, December 3, 2008.
508. Global Energy—Building 21st Century Bridges: Presented at Women’s Global Leadership Conference in Energy & Technology, Houston, Texas, November 14, 2008.
509. The Advanced Energy Consortium: A New Model for Funding and Conducting Precompetitive Research in Micro- and Nanotechnology for Improved Subsurface Understanding: Presented at AAPG International Convention and Exhibition, Cape Town, South Africa, October 29, 2008.
510. Energy Workforce: Understanding and Adapting to Cycles: Presented at AAPG International Convention and Exhibition, Oral Session: Geoscience Workforce of the Future—The Great Crew Change, Cape Town, South Africa, October 27, 2008.
511. Global Energy Security: Build Bridges, Not Walls: Presented at Opening Ceremony AAPG International Conference and Exhibition, Cape Town, South Africa, October 26, 2008.
512. Congratulatory Address: Presented at Research Institute for Petroleum Exploration and Development (RIPED) President’s Forum, Beijing, China, October 23, 2008.
513. The Role of Fossil fuels in the Global Energy Future: Presented at Research Institute for Petroleum Exploration and Development (RIPED) 50th Anniversary, Beijing, China, October 23, 2008.
514. The Role of Fossil fuels in the Global Energy Future: Presented at the Enterprise Products Partners Annual Meeting, Horseshoe Bay, Texas, October 16, 2008.
515. The Role of Fossil fuels in the Global Energy Future: Presented at the Baker Hughes Engineering Forum, Houston, Texas, October 15, 2008.
516. Global Energy, Economy, and Policy: What the Heck is Going On? Presented at AAPG Eastern Mountain Section Annual Meeting, Pittsburgh, Pennsylvania, October 12, 2008.
517. Global Energy: Myths and Paradoxes: Presented at GSA Foundation – Pardee Coterie, Houston, Texas, October 5, 2008.
518. Global Energy: Building 21st Century Bridges: Presented at PGNiG, Polish Oil & Gas Company, Warsaw, Poland, October 1, 2008.
519. Global Energy: Building 21st Century Bridges: Presented at Wintershall, Kassel, Germany, September 30, 2008.
520. Global Energy: Building 21st Century Bridges: Presented at Deutschen Geophysikalische Gesellschaft, Aachen, Germany, September 29, 2008.
521. Global Energy: Building 21st Century Bridges: Presented at ROSNEFT Research and Technical Center, Moscow, Russia, September 25 2008.
522. Global Energy: Building 21st Century Bridges: Presented at Moscow State University, Moscow, Russia, September 25, 2008.
523. Global Energy: Building 21st Century Bridges: Presented at Royal Holloway, University of London, London, UK, September 23 2008.
524. Public-private Partnerships: Communicating to Decision Makers: Presented at First Annual Geoscience Forum, Washington, DC, September 8, 2008.
525. Global Energy: Myths, Realities and Paradoxes: All-Convention Keynote Lunch to Rocky Mountain Section AAPG and Colorado Oil and Gas Association, Denver, Colorado, July 9, 2008.
526. Energy and the Role of State Geological Surveys: Keynote at Centennial meeting of the Association of American State Geologists, Shepherdstown, West Virginia, June 29, 2008.
527. Energy Myths: Alumni College of the University of Texas at Austin, June 25, 2008.

528. Carbon, Climate and Energy, What's a Teacher to Think: Invited to Texas Teacher's Workshop, Austin, Texas, June 10, 2008.
529. The Role of Fossil Fuels in the Global Energy Scene: Keynote to Advanced Energy Consortium Workshop, Austin, Texas, May 21, 2008.
530. Energy Myths and a Few Realities: Invited talk presented to Texas Bankers Association, San Antonio, Texas, May 16, 2008.
531. Climate, Carbon, and electricity: a 2030 Energy Rx: Presented at the BEG Decision Makers Meeting, Jewett, Texas, May 8, 2008.
532. Climate and Carbon in A Global Energy Context: Part of Panel Discussion, North American Energy Summit, San Antonio, Texas, May 1, 2008.
533. BEG Research for the 21st Century: Presented on BEG Industry Day, Austin, Texas, April 29, 2008.
534. Downhole Mobile Micro- and Nano-sensors for Advanced Recovery: Keynote talk presented to Houston Business Journal, Houston, Texas, April 7, 2008.
535. Global Energy: Trends, Myths, and Realities: Keynote talk presented to Pacific Section, American Association of Petroleum Geologists, Bakersfield, California, March 31, 2008.
536. Ten Energy Myths: Carbon in Context: Invited talk presented to Texas Alliance Group, Washington, DC, March 10, 2008.
537. Women in Science: Lessons from Academia: Invited talk presented at AAPG GEO Meeting, Manama, Bahrain, March 2, 2008.
538. Energy Myths and Current Realities: Keynote address presented at AAPG Southwest Section Meeting, Abilene, Texas, February 27, 2008.
539. Geology Rocks: Invited talk presented to Spicewood Springs Elementary First Grade Class, Austin, Texas, February 12, 2008.
540. Perspectives on Global Energy, Carbon Sequestration, and Climate: Keynote address presented at Beaver Creek Energy Conference, Beaver Creek, Colorado, February 5, 2008.
541. Energy Myths and a Few Realities: Keynote address presented at Society of Independent Professional Earth Scientists Board Meeting, Corpus Christi, Texas, January 29, 2008.
542. Carbon Sequestration in a Global Energy Context: Presented at National Academies Workshop, Washington, DC, January 28, 2008.
543. Global Energy Myths and Realities: Keynote address presented at USGS Western Region Colloquium, Menlo Park, California, January 14, 2008.
544. Energy Myths and Water Resources: Keynote address presented at Thought Seekers Breakfast Meeting, Austin, Texas, November 13, 2007.
545. Carbon Sequestration and Fourteen Texas: Invited Address presented to Austin Area Research Organization, Austin, Texas, November 12, 2007.
546. The Houston Research Center: Invited Chevron Luncheon Address presented at The University of Texas at Austin, Austin, Texas, November 5, 2007.
547. AAPG Highlights: Invited Address presented at Association of American State Geologists Midyear Meeting, Denver, Colorado, October 30, 2007.
548. BEG Nanotechnology Advanced Energy Consortium: Invited Address presented at Jackson School of Geosciences Advisory Council, Austin, Texas, October 19, 2007.
549. That was Then, This is Now: Invited Luncheon Address presented at Geologies III Consortium Meeting, Austin, Texas, October 16, 2007.
550. Climate, Carbon and Fourteen: Keynote address presented at Texas Mining and Reclamation Meeting, Austin, Texas, October 10, 2007.

551. Energy and Environment Trade Offs, Consequences and Options: Panel Chair, Jackson School of Geosciences, Latin American Forum, Huachuca, Mexico, October 1, 2007.
552. The Role of Coal: Investments make Abundant Resources even Cleaner: Report presented at Solutions to Texas Power Needs, Clean Coal Technology Foundation of Texas, Austin, Texas, October 2007.
553. Global Energy, Myths, Trends and Technology: Invited panel presentation for Interstate Oil and Gas Compact Commission, New Orleans, Louisiana, September 25, 2007.
554. Global Energy, Myths and Realities: Keynote address presented at Houston Marine Insurance Seminar, Houston, Texas, September 18, 2007.
555. What will Make Me Worth My Very Big Salary?: Keynote address presented at First Annual Geoscience Day, Houston, Texas, September 7, 2007.
556. What to do About CO₂: Panel Presentation at Colorado Oil & Gas Association, Denver, Colorado, August 14, 2007.
557. Thoughts on Science and Climate: Panel presentation at Colorado Oil & Gas Association, Denver, Colorado, August 13, 2007.
558. Natural Gas Supply: Implications for Global and U.S. Energy Markets: presented at U.S. Energy Annual Conference, Minneapolis, Minnesota, May 17–18, 2007.
559. Texas FutureGen Site Characterization: Presented at Sixth Annual Conference on Carbon Capture & Sequestration, Pittsburgh, Pennsylvania, May 7–8, 2007.
560. The Bureau of Economic Geology: Energy, Environment, and Education: Invited talk presented to China University of Petroleum, Beijing, China, April 2007.
561. Systematic Variations in the Permian Capitan System: McKittrick Canyon, West Texas and New Mexico: Invited talk presented to China University of Petroleum, Beijing, China, April 2007.
562. The Bureau of Economic Geology: Energy, Environment, and education: Invited talk presented to China University of Petroleum, Dongying, China, April 2007.
563. The Bureau of Economic Geology: Energy, Environment, and Education: Invited talk presented to Research Institute of Petroleum Exploration and Development (RIPED), PetroChina, Beijing, China, April 2007.
564. Forming a Clean Coal Industry: Invited talk presented to China University of Petroleum, Dongying, China, April 2007.
565. The role of unconventional oil and natural gas in the global Energy future: Invited talk presented to China University of Petroleum, Dongying, China, April 2007.
566. The Bureau of Economic Geology: Energy, Environment, and Education: Invited talk presented to PetroChina Company Limited, Beijing, China, April 2007.
567. The Role of Unconventional Oil and Natural Gas in the Global Energy Future: Invited talk presented to Research Institute of Petroleum Exploration and Development (RIPED), PetroChina, Beijing, China, April 2007.
568. Energy Myths and Misconceptions: Invited talk presented to Petroleum Geology class, University of Kentucky, Lexington, Kentucky, April 2007.
569. Unconventional Gas Research and Technology Needs: Invited talk presented (with Eric Potter) at SPE 2007 Research and Development Conference, San Antonio, Texas, April 2007.
570. Forming a Clean Coal Industry: Invited talk presented to China University of Petroleum, Dongying, China, April 2007.
571. Global Energy: The Waltz of the Three E's: Presented at Seminar, AAPG Student Chapter, Imperial College, London, England, March 2007.

572. FutureGen Texas: Invited talk presented at U.S. Senate briefing, Washington, DC, March 8, 2007.
573. Global Energy: Myths and Misconceptions: Invited talk presented to the Helena community, Helena, Montana, January 2007.
574. The Global Energy Scene: an Energy, Economy, Environment Waltz: Keynote talk presented at Helena Education Foundation Conference, Helena, Montana, January 2007.
575. FutureGen and the Three E Waltz: Invited talk presented at Sun City Senior University, Georgetown, Texas, January 2007.
576. Texas FutureGen: of Sticks, Carrots, and Cabbage: Invited talk presented at 4th Annual EOR Carbon Management Workshop, The Woodlands, Texas, December 2006.
577. The Global Energy Scene: an Energy, Economy, Environmental Waltz: Invited talk presented to the Energy Council, 2006 Global Energy and Environmental Issues Conference, San Antonio, Texas, December, 2006.
578. The “I” in BusIness EthIcs: Keynote talk presented at DPA/AAPG International Meeting, Perth, Australia, November 2006.
579. The Future of Global Energy: Presented to Eastern Section AAPG Annual Business Meeting, Buffalo, New York, October 2006.
580. What’s Next after “Carbon Capture Ready”? Lunch talk presented to Gasification Technologies Conference, Washington, DC, October 2006.
581. Decision Makers Field Trip, Houston, Texas, September 2006.
582. The Global Energy Future: Waltz of the Three E’s: Keynote dinner talk presented to Vail Symposium, Beaver Creek, Colorado, September 2006.
583. The “I” in BusIness EthIcs: Presented to Texas Commission on Environmental Quality, Austin, Texas, August 2006.
584. The “I” in BusIness EthIcs: Presented to Austin Geological Society, Austin, Texas, August 2006.
585. Serving the Needs of Resource Industries: IT Starts with the Rocks: Presented at Indiana University Forum, Belgrade, Montana, August 2006.
586. The Future of Global Natural Gas and Implications for the Gulf and Texas: TGP ANR Shipper Meeting, Lake Geneva, Wisconsin, August 2006.
587. The Fossil Fuel Future: Facts and Fads: Keynote talk presented to Explorer’s Club, Denver, Colorado, July 2006.
588. Unconventional Alternatives to Conventional Oil and Natural Gas: JSG Latin American Forum, Rio de Janeiro, Brazil, July 2006.
589. The Future of Global Natural Gas and Implications for the Gulf and Texas: Tennessee Gas Pipeline Customer Meeting, Barton Creek Country Club, Austin, Texas, May 2006.
590. Global Energy: Where Will We Be in 2053? Keynote Lunch Speaker, Panhandle Royalty Owners Group, Amarillo, Texas, May 2006.
591. The Future of Global Energy: Trends, Technology, and Talent: Keynote Lunch Speaker, AAPG Pacific Section, SPE, GSA Joint Meeting, Anchorage, Alaska, May 2006.
592. The “I” in BusIness EthIcs: Panel Discussion, Offshore Technology Conference, Houston, Texas, May 2006.
593. The Future Lies in Talent and We Must Act Now: American Association of Petroleum Geologists, Annual Convention, Houston, Texas, April 2006.
594. FutureGen and the Role of Texas: Lunch talk, Clean Coal Technology Foundation, Austin, Texas, March 2006.

595. The Future of Energy: Keynote Lunch Speaker, Society of Independent Professional Earth Scientists, Austin Chapter, Austin, Texas, March 2006.
596. The Future of Global Energy: Invited lunch speaker, Central Texas Clean Cities, Redesignation Program, Austin Energy, Austin, Texas, March 2006.
597. The “I” in Business Ethics: Lunch talk, Midland College, Midland, Texas, February 2006.
598. The “I” in Business Ethics: Lunch talk, North Texas Geological Society, American Association of Petroleum Geologists, and Society of Petroleum Engineers local groups, Wichita Falls, Texas, February 2006.
599. The “I” in Business Ethics: Live National Public Radio Interview, Champaign, Illinois, February 2006.
600. The “I” in Business Ethics: Illinois State Geological Survey and Department of Geology, University of Illinois at Urbana-Champaign, Champaign, Illinois, February 2006.
601. The Global Energy Future: Think Unconventionally: Illinois State Geological Survey, Champaign, Illinois, February 2006.
602. Earth Science and Society: The Impact of State Geological Surveys: Keynote, Illinois State Geological Survey Centennial Lecture Series, Champaign, Illinois, February 2006.
603. The Future of Global Energy: Resources, Technology, and Talent: Montana Geological Society (Rocky Mountain Section of AAPG) and the Billings Section of the Society of Petroleum Engineers, Billings, Montana, January 2006.
604. The Role of Coal in the Global Energy Future: Keynote Lunch Speaker, The Future of Coal Energy Conference, Austin, Texas, December 2005.
605. FutureGen Texas: Invited lunch talk, Texas Association of Regional Councils, Austin, Texas, December 2005.
606. The Future of Global Energy: Nevada Petroleum Society, Reno, Nevada, December 2005.
607. The Energy Talent Wedge: Presented at SPE – International Petroleum Technology Conference, Doha, Qatar, November 2005.
608. A CO₂ Industry in the Gulf Coast: Keynote Lunch Speaker, Society of Petroleum Engineers Applied Technology Workshop, Galveston, Texas, November 2005.
609. Global Energy: Looking Toward the Future: Aera Energy, Bakersfield, California, November 2005.
610. The “I” in Business Ethics: Invited lunch speaker, San Joaquin Geological Society, Bakersfield, California, November 2005.
611. Beyond Conventional Oil: South Texas Geological Society, San Antonio, Texas, November 2005.
612. Beyond EOR: Advanced Oil Recovery and the West Texas Energy Future: West Texas Geological Society Fall Symposium, Midland, Texas, October 2005.
613. Independents Must Think Unconventionally: Keynote Luncheon Speaker, Independent Petroleum Association of America, Annual Meeting, Houston, Texas, October 2005.
614. Future Global Oil Supply/Demand Balance: Session Chair, National Research Council Workshop on Trends in Oil Supply and Demand and Potential for Peaking of Conventional Oil Production, Washington, DC, October 2005.
615. HydroCarbons: The University of Texas at Austin, Engineering Foundation Advisory Council, Austin, Texas, October 2005.
616. High Oil Prices: Panelist, Discussion hosted by Economics Professors at The University of Texas at Austin, Austin, Texas, October 2005.

617. The Future of Global Energy: Learning Activities for Mature People (LAMP), The University of Texas at Austin, October 2005.
618. Future Trends: Jackson School Program in Unconventional Gas and CO₂ Sequestration: Jackson School of Geosciences Latin American Forum, The University of Texas at Austin and Latin America: Revitalizing Partnerships in Energy and the Environment, Austin, Texas, September 18–20, 2005.
619. The “I” in Business Ethics: Lunch Speaker, Rocky Mountain Association of Geologists, AAPG International Distinguished Ethics Lecture, Denver, Colorado, August 2005.
620. The “I” in Business Ethics: Invited lunch speaker, Kansas Geological Survey, AAPG International Distinguished Ethics Lecture, Kansas City, Kansas, August 2005.
621. A Federal Role in Energy: Opportunities and Public Realities: Keynote, Roundtable Discussion, Science Application International Corporation, hosted by the Greater Houston Partnership, Houston, Texas, August 2005.
622. Unconventional Gas and Global Energy: Invited lunch speaker, Highland Lakes Energy Industry Network Group, Marble Falls, Texas, July 2005.
623. The “I” in Business Ethics: Keynote Lunch Speaker, American Association of Petroleum Geologists, Division of Professional Affairs (DPA), Annual Convention, AAPG International Distinguished Ethics Lecture, Calgary, Canada, June 2005.
624. Systematic Variations in the Capitan Depositional System: McKittrick Canyon, West Texas and New Mexico: American Association of Petroleum Geologists, Annual Convention, Calgary, Canada, June 2005.
625. Unconventional Gas Resources, Invited, East Texas Geological Society, Tyler, Texas, April 2005.
626. The “I” in Business Ethics: Invited Keynote, South-Central Section, Geological Society of America Annual Meeting, AAPG International Distinguished Ethics Lecture, Trinity University, San Antonio, Texas, April 2005.
627. Unconventional Gas Resources: Invited, Texas Alliance of Energy Producers, Dallas, Texas, March 2005.
628. Oil and Natural Gas Price: The Past May Not Be a Key to the Future: Invited, 2005 UT Energy Finance Conference, Houston, Texas, February 2005.
629. Unconventional Gas and Global Energy: Invited lunch talk, Shreveport Geological Society, Shreveport, Louisiana, February 2005.
630. What’s Up at the Bureau: Invited, West Texas Geological Society, Midland, Texas, December 2004.
631. The Converging Forces: The Size of the Prize: Invited, Enhanced Oil Recovery Carbon Management Workshop, Society of Petroleum Engineers Permian Basin Chapter, Midland, Texas, December 2004.
632. Unconventional Gas and Global Energy: Invited, Petroleum Technology Transfer Council, Unconventional Gas Reservoirs Symposium, Farmers Branch, Texas, November 2004.
633. The Future is Unconventional: Impact on Independent Producers: Keynote, Independent Petroleum Association of America, Annual Meeting, Austin, Texas, October 2004.
634. The Impact of Global Energy Trends on Resource Estimates, Technology, and Research Models: Executive session, American Association of Petroleum Geologists International Conference and Exhibition, Cancun, Mexico, October 2004.
635. Unconventional Gas & Global Energy: Is It Mountain Standard Time?: Seminar presentation to University of Wyoming, Department of Geology and Geophysics, Laramie, Wyoming, October 2004.

636. Unconventional Gas and Global Energy: A Matter of Time: Keynote, Gulf Coast Association of Geological Societies Annual Convention, San Antonio, Texas, October 2004.
637. Global Energy Trends: National Association of Black Geologists and Geophysicists, Austin, Texas, September 2004.
638. Unconventional Gas & Global Energy: Is it Mountain Standard Time? Seminar presentation to University of Colorado, Geological Sciences Department, Denver, Colorado, August 2004.
639. Unconventional Gas & Global Energy: Is it Mountain Standard Time? Invited Keynote Speaker, Rocky Mountain Section, American Association of Petroleum Geologists Meeting, Denver, Colorado, August 2004.
640. Unconventional Gas in the Global Energy Scene: Lunch Speaker, Society of Petroleum Engineers: Novel Advances in Tight Gas Completion and Production Technology II-ATW, Austin, Texas, July 2004.
641. Unconventional Gas and Global Energy: A Matter of Time: Future of Sedimentary Geology Forum, Dallas, Texas, April 2004.
642. The Coming Natural Gas Economy: Invited, Fort Worth Section, Society of Petroleum Engineers, Fort Worth, Texas, April 2004.
643. Decision Makers Field Trip, Austin, Texas, April 2004.
644. State-USGS Collaboration: Why Even Try? Invited kick-off talk, National Conference for U.S. Geological Survey managers, Austin, Texas, March 2004.
645. Three Generations of Reservoir Modeling: Invited Keynote Speaker, American Association of Petroleum Geologists Hedberg Conference, El Paso, Texas, March 2004.
646. Energy and Environmental Research at the Bureau of Economic Geology, The University of Texas at Austin: Saudi Aramco, Saudi Arabia, March 2004.
647. The Coming Natural Gas Economy: Keynote, Gas Well Deliquification Workshop, Denver, Colorado, March 2004.
648. Bureau Research and the Coming Gas Economy: The University of Texas at Austin, Petroleum and Geosystems Engineering faculty and students, Austin, Texas, February 2004.
649. The Coming Gas Economy, Invited, Lafayette Geological Society, Lafayette, Louisiana, February 2004.
650. Energy Studies on State Lands, Invited, General Land Office Western States Land Commissioners Association Conference, Austin, Texas, January 2004.
651. Presentation to Kathie Olsen and staff, Office of Science and Technology Policy, Executive Office of the President, regarding summary of a workshop on U.S. Natural Gas Demand, Supply, and Technology: Looking to the Future: National Research Council of the National Academies, December 2003.
652. The Coming Natural Gas Economy, Invited, Michigan Oil & Gas Association, Mt. Pleasant, Michigan, December 2003.
653. The Coming Gas Economy, Invited, Duke University, School of Environment and Earth Sciences, Durham, North Carolina, November 2003.
654. The Coming Gas Economy, Invited, UT Dean's Scholars Lunch, The University of Texas at Austin College of Natural Sciences, Austin, Texas, October 2003.
655. Overview of NRC Workshop on Natural Gas Supply and Demand: NRC Board on Earth Sciences and Resource Meeting, Irvine, California, October 2003.
656. The Global Gas Economy: Exploration to Sequestration, Invited, 2003 AAPG International Conference & Exhibition, Management Forum: Natural Gas and Global Energy—Future of Gas Markets, Business Strategies, New Technologies and Investment Opportunities, Barcelona, Spain, September 2003.

657. Decarbonization: The Coming Gas Economy: Lakeway Men's Breakfast Club, Austin, Texas, September 2003.
658. Upstream Technology for the Coming Gas Economy: San Antonio Association of Professional Landmen, San Antonio, Texas, September 2003.
659. The Coming Gas Economy: The University of Texas at Austin, Bureau of Economic Geology seminar, Austin, Texas, September 2003.
660. The Coming Natural Gas Economy: Invited, Sandia National Laboratories, Albuquerque, New Mexico, August 2003.
661. Decarbonization—The Coming Natural Gas Economy: Invited, COGA Rocky Mountain Natural Gas Conference, Denver, Colorado, August 2003.
662. From Rocks to Lasers: Today's Bureau of Economic Geology and How It Impacts Texas: Northwest Austin Rotary Club, Balcones Country Club, Austin, Texas, July 2003.
663. Natural Gas Demand and Opportunities in Texas and Mexico: Invited, The CWC Group of Companies, Opportunities for the Mexican Gas Market: Powering the Future, Houston, Texas, June 2003.
664. Upstream Technology for the Coming Gas Economy: 65th EAGE Conference and Exhibition, Stavanger, Norway, June 2003.
665. Oil and Gas Research at a Critical Juncture: Invited, American Geological Institute Leadership Forum, Arlington, Virginia, May 2003.
666. Bureau Introduction and Overview: Texas PTTC Producer Advisory Group (PAG) and State of Texas Policy Makers, Austin, Texas, May 2003.
667. Upstream Technology for the Coming Gas Economy: SPE, Austin Section, Austin, Texas, May 2003.
668. Upstream Technology for the Coming Gas Economy: 2002–03 SPE Distinguished Lecture Program (five lectures in the United States and two in Canada; N. Africa, Middle East, and Far East trips cancelled owing to war in Iraq).
669. Lasers Light the Way: 3-D Outcrops Will Revolutionize Subsurface Modeling: Keynote, Rocky Mountain Association of Geologists, Denver, Colorado, February 2003.
670. Geologic Curation, the BEG, and the Houston Research Center: National Science Foundation Workshop, Preservation of Scientific Research Cores and Collections, Bloomington, Indiana, January 2003 (with Shirley P. Dutton).
671. Upstream Technology for the Coming Natural Gas Economy: Luncheon Speaker, South Texas Geological Society, San Antonio, Texas, January 2003.
672. Depositional Topography: Key Element of Stratigraphic Interpretation and Panacea for Log Correlation: Part 1 *and* Concepts and Transitional Icehouse-Greenhouse Systems: Part 2: Gulf Coast Section SEPM Foundation, 22nd Annual Bob F. Perkins Research Conference, Houston, Texas, December 2002 (with Charles Kerans).
673. Upstream Technology for the Coming Gas Economy: Keynote, 11th Venezuelan Geophysical Congress, Caracas, Venezuela, November 2002.
674. A Decade of 3-D Reservoir Modeling...and a Brief Glimpse at the Future: Keynote, ChevronTexaco Geology Forum, Galveston, Texas, October 2002.
675. A Rock Revival: Core Thoughts from the BEG: Invited, West Texas Geological Society Fall Symposium, Midland, Texas, October 2002.
676. "Associated Oil": Upstream Technology to Support the Natural Gas Energy Future: West Texas Geological Society Fall Symposium, poster session, Midland, Texas, October 2002.

677. Fossil Energy in Texas and the Bureau of Economic Geology: luncheon speaker, 21st Annual Advanced Oil, Gas and Energy Resources Law Seminar, Texas State Bar, Dallas, Texas, October 2002.
678. Fractures, Salt, Seismic, and Ice: Vital Research Components of America's Natural Gas Energy Future: Society of Exploration Geophysicists International Exposition and 72nd Annual Meeting, Salt Lake City, Utah, October 2002.
679. Investment in Technology for an Unconventional Natural Gas Future: Invited, World Energy Policy in the 21st Century, College Park, Maryland, September 2002.
680. There's Gas in Them Thar Hills: All-convention luncheon speaker, Rocky Mountain Section/American Association of Petroleum Geologists meeting, Laramie, Wyoming, September 2002.
681. Oil and Gas Technology for the Coming Gas Economy: Invited, 17th World Petroleum Congress, Rio de Janeiro, Brazil, September 2002.
682. Press Conference Announcing the Donation of BP Core Research Facility in Houston to The University of Texas at Austin, presentation at request of UT President Larry R. Faulkner, Austin, Texas, August 2002.
683. Oil, Water, Lasers, and More: Today's Bureau of Economic Geology: Invited, Lakeway Men's Breakfast Club, Austin, Texas, August 2002.
684. 3-D and 4-D Modeling of Reservoirs and Aquifers: Adding New Dimensions to Your Data: Invited, SIPES San Antonio Chapter Lunch Meeting, San Antonio, Texas, June 2002.
685. Upstream Technology for the Coming Natural Gas Economy: Invited, Lawrence Livermore National Laboratory, Livermore, California, June 2002.
686. It's Gonna Be Gas, So Let's Make It a Smooth Ride: Invited, Plenary Session, DOE, Natural Gas Technology-Investment in a Healthy U.S. Energy Future Conference, Houston, Texas, May 2002.
687. Benefits of Research Investment: Lessons from the Oil and Gas Industry: Invited panelist, DOE, Estimating the Benefits of Government-Sponsored Energy R&D, Arlington, Virginia, March 2002.
688. Fractures, Salt, Seismic, and Ice: Vital Research Components of America's Natural Gas Energy Future: AAPG 2002 Meeting, Houston, Texas, March 2002.
689. Plates, Rocks, Volcanoes, Meteors and Other Very Cool Stuff: Burnet Elementary School, 3rd Grade Class, Burnet, Texas, February 2002.
690. Are Those Extra Dimensions Worth It? 3-D and 4-D Modeling of Oil Reservoirs and Aquifers: SIPES Lunch Meeting, Austin, Texas, February 2002.
691. Gassing up the Car and Turning on the Lights: Plate Tectonics, Sedimentary Basins, and Hydrocarbon Reservoirs: Invited, North Houston Landman's Association, Houston, Texas, February 2002.
692. Oil and Water: Rocks and Models Improve Resource Understanding: Invited, Houston Geological Society Dinner Meeting, Houston, Texas, February 2002.
693. Getting the Word Out: Linking EarthScope Public and K-12 Outreach to State Geologic Surveys: Invited, EarthScope Education and Outreach Workshop, Boulder, Colorado, January 2002.
694. A Multidimensional Bureau of Economic Geology: 3-D Models, 3-D Seismic, Lidar, and Other Neat Technology: Invited, East Texas Geological Society, Tyler, Texas, January 2002.
695. Where Are We and What Lies Ahead? Fourth Joint AMGP/AAPG International Conference, Exploration and Development of Gas Plays, Veracruz, Mexico, November 2001.
696. Fractures, Salt, Seismic, and Ice: Exploiting New Technologies for America's Natural Gas Energy Future: Invited, Fourth Joint AMGP/AAPG International Conference, Exploration and Development of Gas Plays, Veracruz, Mexico, November 2001.

697. What Are the Future Needs and Directions for Longer Term Fundamental Research That Will Lead to the Next Generation of Technology Breakthroughs and Technology Developments?: Keynote, DOE Plenary Workshop, Houston, Texas, October 2001.
698. The Future of Gas Resources in the Southwest United States: Invited, GLO Eighth Annual Border Energy Forum, Tucson, Arizona, October 2001.
699. Geoscience Technology for the Coming Gas Economy: Keynote, West Texas Geological Society Symposium, Midland, Texas, October 2001.
700. Modeling Oil, Gas, and Water: Do Third and Fourth Dimensions Add Value? Fort Worth Geological Society Meeting, Fort Worth, Texas, October 2001.
701. Visualization Lab Demonstrations: The University of Texas System, Chancellor's Council Executive Committee, September 2001.
702. 3-D Modeling of Geologic Data: From Petroleum Reservoirs to Aquifers?: Invited, South Texas Geological Society Meeting, San Antonio, Texas, September 2001.
703. Energy Production Trends and the Role of Technology: Keynote luncheon Presentation, AAPG Prospect and Property Expo (APPEX), Houston, Texas, August 2001.
704. Oil and Gas Technology: Why Should a Royalty Owner Care? Invited, National Association of Royalty Owners Convention, San Angelo, Texas, August 2001.
705. 3-D Reservoir Modeling: Hydrocarbons and Aquifers: Invited, SEPM 75th Anniversary Diamond Jubilee Symposium, AAPG/SEPM Annual Convention, Denver, Colorado, June 2001.
706. The Value of Upstream Technology and the Future of Energy Research: American Association of Petroleum Geologists Annual Convention in *Selected* Outstanding Presentations from around the World (Invited session), Denver, Colorado, June 2001.
707. Carbonate Sequence Stratigraphy and Reservoir Characterization: Northwestern University, Department of Geological Sciences, Evanston, Illinois, May 2001.
708. Value of Applied Research and the Natural Gas Supply: How the U.S. Natural Gas Production Curve Was Built and How It Will Be Sustained in the Future: East Texas Geological Society, Tyler, Texas, May 2001.
709. Current and Future Opportunities in the State Geologic Surveys: American Geological Institute–National Science Foundation Workshop, Identifying Geoscience Human-Resources Data Needs—A Workshop for Educators and Employers, University of Maryland University College, Adelphi, Maryland, April 2001.
710. Value of Applied Research and the Natural Gas Supply: How the U.S. Natural Gas Production Curve Was Built and How It Will Be Sustained in the Future: Invited, West Texas Geological Society, Midland, Texas, April 2001.
711. Does Technology Really Matter? The Value and Future of Upstream Technology in the Petroleum Industry: The University of Texas at Austin, Department of Petroleum Engineering Graduate Seminar Series, Austin, Texas, April 2001.
712. Natural Gas Supply: How the U.S. Natural Gas Production Curve Was Built and How It Will Be Sustained in the Future: Austin Geological Society monthly meeting, Austin, Texas, April 2001.
713. Value of Applied Research and Natural Gas Supply: How the U.S. Natural Gas Production Curve Was Built and How It Will Be Sustained in the Future: Keynote luncheon Presentation, American Association of Petroleum Geologists 20th Annual Leadership Conference, Tulsa, Oklahoma, February 2001.
714. Value of Applied Research and Future of Natural Gas Supply: How the U.S. Natural Gas Production Curve Was Built and How It Will Be Sustained in the Future: Invited, Second International Petroleum Technology Exhibition, Mexico City, Mexico, February 2001.

715. The Value of Upstream Technology and the Future of Energy Research: Invited, The Victoria College, Victoria, Texas, February 2001.
716. Value of Technology: Invited by U.S. Department of Energy, Office of Fossil Energy and Office of Natural Gas and Petroleum Technology to participate in strategic initiatives workshop, Washington, DC, December 2000.
717. No Ground Truth: Keynote, Hedberg Conference on Geostatistics, The Woodlands, Texas, December 2000.
718. The Value of Upstream Technology in the Petroleum Industry: Keynote luncheon Presentation, Gulf Coast Association of Geological Societies, 50th Annual Convention, Houston, Texas, October 2000.
719. Overview of Current and Future R&D Activities at the Bureau of Economic Geology: The University of Texas at Austin, Department of Geological Sciences, technical session, Austin, Texas, September 2000.
720. Overview of Current and Future R&D Activities at the Bureau of Economic Geology: University of Houston, Allied Geophysics Laboratories, Houston, Texas, September 2000.
721. Sequence Stratigraphy and 3-D Modeling of a Pennsylvanian Distally Steepened Ramp Reservoir: Canyon and Cisco Formations, South Dagger Draw Field, New Mexico, USA: Houston Geological Society, Houston, Texas, September 2000.
722. Historical and Future Impact of BEG Reservoir Characterization and Implementation Programs in West Texas: Permian Basin Section–SEPM workshop, The Impact of Integrated Sedimentology and Stratigraphy on Reservoir Characterization and Field Management Strategies, Midland, Texas, August 2000.
723. Can We Believe What We See: Seismic Signatures in Prograding Systems?: Presented at Permian Basin Section–SEPM workshop, The Impact of Integrated Sedimentology and Stratigraphy on Reservoir Characterization and Field Management Strategies, Midland, Texas, August 2000.
724. Reservoir-Scale Seismic Stratigraphy in Prograding Systems: Time or Rock?: Invited, American Association of Petroleum Geologists Annual Convention, New Orleans, Louisiana, April 2000.
725. Sequence Stratigraphy and 3-D Modeling of a Pennsylvanian, Distally Steepened Ramp Reservoir: Canyon and Cisco Formations, South Dagger Draw Field, New Mexico, USA: Presented at Gulf Coast Section–Society of Economic Paleontologists and Mineralogists Foundation 19th Annual Bob F. Perkins Research Conference, Advanced Reservoir Characterization for the 21st Century, Houston, Texas, December 1999.
726. Sequence Stratigraphy and 3-D Modeling of a Pennsylvanian Ramp-Crest Reservoir: Canyon and Cisco Formations, North Indian Basin Field, New Mexico, USA and Developing Sequence Stratigraphic Frameworks for Reservoir Modeling: Extracting a Method from the Madness: Presented at GCS-SEPM Conference on Advanced Characterization for the 21st Century, December 1999.
727. From Rocks to Models: Rock-Based Sequence Stratigraphy and 3-D Modeling of Carbonates: Invited, University of Michigan Scott Turner Lecture, October 1999.
728. From Rocks to Models: 3-D Visualization as a Tool to Integrate Sedimentology and Sequence Stratigraphy in Reservoir Models: Rocky Mountain Association of Geologists Brown Bag, October 1998.
729. Integration—More than Just Swinging a Bat: Keynote, Society of Exploration Geophysics and Society of Petroleum Engineers Forum on Reservoir Characterization, July 1998.
730. Sequence Stratigraphy and 3-D Geologic Models of a Complex Clinoform Ramp-Crest Reservoir: Invited, AAPG Annual Meeting, April 1997.
731. From Rocks to Models: 3-D Visualization as a Tool to Integrate Sedimentology and Sequence Stratigraphy in Reservoir Models: AAPG Distinguished Lecture

- University of Alabama, April 1998;
 - Southwest Louisiana Geophysical Society, April 1998;
 - Illinois Geologic Society, April 1998;
 - University of Missouri-Rolla, April 1998;
 - Ohio Geologic Society, April 1998;
 - University of Iowa, April 1998;
 - Pittsburgh Geologic Society, April 1998;
 - University of Memphis, April 1998;
 - Fort Smith Geologic Society, April 1998;
 - Fort Worth Geologic Society, April 1998;
 - San Joaquin Geologic Society, Bakersfield, California, March 1998;
 - Rocky Mountain Association of Geologists, Denver, Colorado, February 1998;
 - Four-Corners Geologic Society, Farmington, New Mexico, January 1998;
 - Colorado School of Mines-Van Tuyl Lecture: Golden, Colorado, January 1998;
 - Montana Geologic Society, Billings, Montana, December 1997;
 - University of Wyoming, Laramie, Wyoming, December 1997;
 - Northern California Geologic Society, San Ramon, California, November 1997;
 - University of Kansas, Lawrence, Kansas, November 1997;
 - Texas A&M University, College Station, Texas, November 1997;
 - Abilene Geologic Society, Abilene, Texas, November 1997;
 - Canadian Society of Petroleum Geologists, Calgary, Alberta, Canada, November 1997;
 - Wyoming Enhanced Oil Recovery Institute Symposium (Keynote, Casper, Wyoming), October 1997;
 - Saudi ARAMCO Super K Conference, Dhahran, Saudi Arabia, May 1997.
732. Enhancement of Reservoir Models with 3-D Seismic Data: Keynote, Workstation Presentation: Rocky Mountain Association of Geologists/Denver Geophysical Society 3-D Seismic Symposium, February 1998.
733. The Importance of Core Data in 3-D Reservoir Characterization: Core/Poster Presentation: Sixth Archie Conference, February 1998.
734. Three-Dimensional Reservoir Characterization for Improved Reservoir Management: SPE Annual Technical Conference, October 1997.
735. A Vision for the Future; Carbonate Reservoir Modeling: SPE Forum on 3-D Reservoir Characterization Technology, June 1997.
736. Stratigraphic Framework and “Well-Spacing” Controls on Reservoir Heterogeneity, Volumetric Calculations, and Synthetic-Seismic Response in a 3-D “Reservoir” Model: McKittrick Canyon, West Texas and New Mexico: AAPG Annual Meeting, April 1997.
737. Reservoir Scale Carbonate Sequence Stratigraphy: McKittrick Canyon and 3-D Subsurface Examples: AAPG/EAGE Research Symposium on “Compartmentalized Reservoirs: Their Detection, Characterization, and Management,” October 1996.
738. Reservoir Scale Carbonate Sequence Stratigraphy: McKittrick Canyon and 3-D Subsurface Examples: The University of Texas at Austin, October 1996.
739. Reservoir Scale Carbonate Sequence Stratigraphy: McKittrick Canyon and 3-D Subsurface Examples: Houston Geologic Society, September 1996.

740. Reservoir Scale Carbonate Sequence Stratigraphy: McKittrick Canyon and 3-D Subsurface Examples: Keynote, Amoco Oil Company, August 1996.
741. The Role of Sequence Stratigraphy in 3-D Characterization of Carbonate Reservoirs: Poster Presentation: AAPG Annual Meeting, May 1996.
742. 3-D Reservoir Characterization: Worldwide Examples and Economics: AAPG Annual Meeting, May 1996.
743. 3-D Reservoir Characterization: Worldwide Examples and Economics: Rocky Mountain Association of Geologists/Denver Geophysical Society 3-D Seismic Symposium, February 1996.
744. Building the 3-D Jigsaw Puzzle: Applications of Carbonate Sequence Stratigraphy to 3-D Reservoir Characterization: Colorado School of Mines Van Tuyl Lecture, February 1996.
745. 3-D Reservoir Characterization: Worldwide Examples and Economics: Fifth Archie Conference, May 1995.
746. Practical Applications of Carbonate Models; Building the 3-D Jigsaw Puzzle: Applications of Carbonate Sequence Stratigraphy to 3-D Reservoir Characterization: Permian Basin SEPM Symposium on Carbonate Facies and Sequence Stratigraphy, April 1995.
747. Building the 3-D Jigsaw Puzzle: Applications of Carbonate Sequence Stratigraphy to 3-D Reservoir Characterization: Stratamodel Symposium on “3-D Reservoir Characterization,” July 1994.
748. Multiple Karst Events Related to Stratigraphic Cyclicity: San Andres Formation, Yates Field, West Texas: Stratamodel Symposium on “3-D Reservoir Characterization,” July 1994:
749. Permian Karst and Caves in Yates Field: Poster and Video Presentation: AAPG Annual Meeting, June 1994.
750. Shelf-to-Basin Sequence Stratigraphic Framework and Early Diagenesis of Late Guadalupian Strata, McKittrick Canyon, New Mexico and Texas: Preliminary Findings: Poster Presentation: AAPG Annual Meeting, June 1994.
751. Permian Karst and Caves in Yates Field: Poster Presentation: AAPG Hedberg Conference on “Unconformities and Porosity in Carbonate Strata,” July 1993.
752. The Keg River/Winnipegosis Petroleum System in Northeast Alberta: AAPG Annual Meeting, June 1992.
753. The Keg River/Winnipegosis Petroleum System-Source to Trap: AAPG Annual Meeting; April 1991.
754. A Computer-Assisted Geologic Worksheet: Input, Comparison, Analysis, and Presentation of Rock, Log, Engineering and Geochemical Data: AAPG Annual Meeting, June 1990.

Media

Film

1. Lynch, H. (Producer), Tinker, S. (Producer), and Lynch, H. (Director). (2013). *Switch Energy Lab* [Video series]. United States: Arcos Films.
2. Lynch, H. (Producer), Tinker, S. (Producer), and Lynch, H. (Director). (2013). *The Switch Energy Primers* [Video series]. United States: Arcos Films.
3. Lynch, H. (Producer), Tinker, S. (Producer), and Lynch, H. (Director). (2012). *Switch* [Documentary]. United States: Arcos Films.
4. 23.5° televised interview with Sam Champion, The Weather Channel, New York, New York, March 16, 2016.
5. *Switch Energy Lab* is a professional film series comprising 28 short format modules targeted towards education in middle and high school science classes, 2014.

6. Fracking: "Best Practices" to Create Renewable Energy and Fossil Fuels Balance While Addressing Climate Impact Issues, TV interview for the EmeraldPlanet, Merrifield, Virginia, January 12, 2014.
7. *What is the Future of Energy*, Taped presentation at the McCombs School of Business Enterprise Speaker Series, Austin, Texas, 2012. <https://texasenterprise.org/article/changing-way-we-think-about-energy>.
8. *Switch*, a feature-length documentary film, distributed by Arcos Films, Austin, Texas, 2011. *Switch* has been extensively awarded, is in over 50 nations, thousands of universities and schools, and has screened to over 15 million people globally. Tinker co-produced *Switch* with Harry Lynch, who directed the film, and Tinker serves as the on-screen guide. <http://SwitchOn.org>
9. *Building the Bridge to America's Alternative Energy Future*, Texas Energy Foundation, Full Circle Productions, Austin, Texas, Fall 2008.
10. *State of Tomorrow*, Energy TV Advertisement, The University of Texas Foundation, Alpheus Media, Fall 2008.
11. *Unconventional*, NBC Production, Dallas, Texas, Summer 2008.
12. Geoscience Industry Opportunities, GSA Geosciences Video, Boulder, Colorado, Summer 2008.
13. LeCroy Center for Educational Telecommunications, Dallas TeleLearning, Dallas Community College District, Dallas, Texas, Summer 2008.
14. The University of Texas Chancellor's Council, Annual Meeting, Austin, Texas, Spring 2008.
15. *Energy Myths and Realities*, USGS Western Region Colloquium Seminar, Menlo Park, California, Spring 2008.
16. *The Future of Energy*: Episode 13 of PBS series *State of Tomorrow*, produced by the University of Texas Foundation, Austin, Texas, Spring 2007 (received Lone Star EMMY Award by the Texas broadcast industry).
17. FutureGen Texas Site Proposals, Austin, Texas, Spring 2007.
18. *The "I" in Business Ethics*, Texas Commission on Environmental Quality, Austin, Texas, Summer 2006.
19. *Eye on Earth*, Texas Education Agency, Austin, Texas, 2001.

Radio

Earth Date. 2017-ongoing. A weekly radio series featuring short format, fun-filled science vignettes about the natural wonders of earth. Conceived, funded, and read by Tinker, and researched, written, and produced by the Bureau of Economic Geology. In less than a year, Earth Date has been picked up by over 350 NPR stations in all 50 United States, with distribution growing. The website captures each episode, and the research behind it. <http://earthdate.org>