

January 2019

**Stephen P. A. Brown**  
Curriculum Vitae

ADDRESS: Lee Business School, MS 6005  
University of Nevada, Las Vegas  
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Las Vegas, NV 89154

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RESEARCH  
FIELDS: Energy, Environmental and Natural Resource Economics;  
Public Finance; Public Choice; Applied Microeconomics

DEGREES: Ph.D. (Economics), University of Maryland, 1979.  
M.A. (Economics), University of Maryland, 1977.  
B.S. (Economics), California Polytechnic State University, San Luis  
Obispo, 1972.

OTHER  
EDUCATION: Trailblazers, Federal Reserve System Leadership Program, 2005.  
  
Leadership and Mastery, Innovation Associates, Boston, Massachusetts,  
September 1991.  
  
LeaderLab, Center for Creative Leadership, Greensboro, North  
Carolina, June and October 1990.  
  
Leadership Development Alumni Program, Center for Creative  
Leadership, Colorado Springs, Colorado, May 1990.  
  
Leadership Development Program, Center for Creative Leadership,  
Greensboro, North Carolina, August 1989.  
  
Executive Development Program, Federal Reserve Bank of Dallas,  
1988-91.

CURRENT  
EMPLOYMENT: Professor of Economics, Lee Business School, University of Nevada,  
Las Vegas, since September 2010.

ADDITIONAL  
AFFILIATIONS: University Fellow, Resources for the Future, since September 2010.  
  
Senior Editor, *Energy Policy*, since January 2018; Editor, October 2015  
through December 2017; Associate Editor, August 2014 through  
September 2015.

PAST EMPLOYMENT:

Nonresident Fellow, Resources for the Future, January 2009 through August 2010.

Adjunct Professor, Graduate Program in Energy Management, University of Colorado, Denver, January 2009 through March 2010.

Federal Reserve Bank of Dallas, September 1981 through August 2008. Director of Energy Economics and Microeconomic Policy Analysis, 1999 to 2008; Director of Research Support, 1995-2000; Director of Regional Economic Analysis, 1989 to 1995. Assistant Vice President and Senior Economist, July 1989 to August 2008; Senior Economist and Policy Advisor, January 1989 to June 1989; Senior Economist, May 1985 to December 1988; Economist, September 1981 to April 1985.

Adjunct Professor of Economics, Freeman School of Business, Tulane University, 2002-2006.

Adjunct Professor of Economics, Southern Methodist University, 1991-2005.

Economist, National Center for Analysis of Energy Systems, Brookhaven National Laboratory, 1979 to 1981.

Assistant Professor of Economics, Arizona State University, 1977 to 1979.

Economics Instructor, University of Maryland, summers 1974, 76 and 77.

Teaching and Research Assistant, Department of Economics, University of Maryland, 1972-77.

Research Assistant, Bureau of Outdoor Recreation, U.S. Department of Interior, summer 1975.

Economist, General Technologies Division, Versar, Inc., Springfield, Virginia, summer 1974.

HONORS:

Award for the best article in the *Economics of Energy & Environmental Policy* during the five-year period 2012-2016.

Campbell Watkins Award for the best article in *The Energy Journal* during 2008.

Senior Fellow of the U.S. Association for Energy Economics, December 2008.

CURRENT ADMINISTRATIVE  
AND PROFESSIONAL SERVICE:

- Editorial Board, *Energy Economics*, since August 2006.
- Faculty Evaluation Committee, Department of Economics, September 2010 to August 2014 and since August 2015.
- Research Committee, Economics Department, UNLV, since August 2011.
- Graduate Coordinator, Department of Economics, since July 2018.
- Graduate Committee, Lee Business School, since July 2018
- Graduate Council, University of Nevada Las Vegas, since July 2018
- Chair, Promotion and Tenure Committee, Lee Business School, since August 2018
- Graduate Course Review Committee, University of Nevada Las Vegas, since August 2018

RESEARCH INTERESTS:

Energy Economics and Policy, Global Oil Markets, Energy Security, Climate Policy, Natural Gas Markets, Energy Prices and Aggregate Economic Activity, Alternative Energy, Economics of Government Policy, Economic Growth, Technological Change

COURSES TAUGHT:

Energy Economics, Environmental Economics, Natural Resource Economics, Natural Resources and Economic Growth, Public Finance, Research Methods in Economics, Applied Economic Analytics, Managerial Economics, Money and Banking, Global Economics and Development, Principles of Economics

UNLV ECONOMICS DEPARTMENT  
MASTER'S THESIS COMMITTEES:

Alena Agipitova, "How China's Outward Foreign Direct Investment Affects Development of Host Countries," Chair, Fall 2018.

Mia Yasukawa, "Influence of the Financial Sector on Natural Gas Prices," Chair, Fall 2018.

Analyn Gourley, "Breaking the Glass Ceiling: Exploring the Gender Wage Gap in the United States," Committee Member, Spring 2017.

Daniel Tlatelpa, "Happy Now or Happy Later? An Analysis of the Effect of Happiness on Time Preference," Committee Member, Spring 2017.

Matthew Kinzer, "Benefits of an Intelligent City: Localization Externalities from the Agglomeration of College Graduates," Chair, Fall 2016.

UNLV ECONOMICS DEPARTMENT  
MASTER'S THESIS COMMITTEES (continued):

Victoria Anderson, "Environmental Kuznets Curve: The Role of Corruption and Foreign Direct Investment," Chair, Fall 2016.

Ibrar Khera, "Do Demand Side Management Programs Increase either Energy or Economic Efficiency?" Chair, Fall 2016.

Megan Gold, "Does Hollywood Practice Discrimination in Its Selection of Movie Directors?" Committee Member, Fall 2016.

Shi Yan (Renee) Liu, "What Drives the Change in U.S. Industrial Natural Gas Consumption?" Chair, Summer 2016.

Leon Fukushima, "The Impact of Steroids in Major League Baseball," Committee Member, Fall 2015.

Joshua Edelman, "Gasoline Market Asymmetry: Los Angeles, New York City and Houston," Chair, Fall 2015

Peter Counts, "The Effects of Casino Taxes on Gaming Output," Committee Member, Fall 2015.

Michael Mullaley, "The Union Wage Premium in the late 2000s," Committee Member, Fall 2015.

Melissa Redona, "Online Poker: Network Externalities and Government Regulation," Committee Member, Spring 2015.

Olga de La Cruz, "The Effect of Language Fluency: Mexican and Chinese Immigrants," Committee Member, Spring 2015.

Jinju Lee, "Causality between Government Expenditure and Revenue in the United States and South Korea," Committee Member, Spring 2015.

David Hales, "Risk Misperception and Selection in Insurance Markets: An Application to Demand for Cancer Insurance," Committee Member, Spring 2015.

John Anders, "Does My College Degree Make You Better Off?" Chair, Spring 2014.

Parameshwaran Bhahirethan, "Modeling the US 30-Yr Conventional Mortgage Rate," Committee Member, Fall 2013.

UNLV ECONOMICS DEPARTMENT  
MASTER'S THESIS COMMITTEES (continued):

Reagan Rockzsfforde, "The Impact of Renewable Portfolio Standards on Electricity Prices in the United States," Chair, Summer 2013.

Kylelar P. Maravich, "How Oil Price Shocks Affect U.S. Economic Activity," Chair, Summer 2013.

Christopher Clarke, "Can State and Local Revenue and Expenditure Enhance Economic Growth? A Cross-State Panel Study of Fiscal Activity," Committee Member, Summer 2013.

Brandy Little, "Using Conditional Demand Analysis to Estimate Natural Gas Appliance Energy Consumption," Committee Member, Spring 2013.

Julia Rose, "Same Sex Partnership and the Lesbian Wage Premium," Committee Member, Spring 2013

Hui Liu, "Exchange Rate Movements and China's Outward Foreign Direct Investment Flows," Chair, Summer 2012.

Ryan T. Kennelly, "New Economic Indexes for Las Vegas, Nevada," Chair, Spring 2012.

Christopher Drury, "State Lottery Revenues: Legitimate or Leviathan?" Chair, Spring 2012.

Andrew Schroeder, "Are MLB Free Agents Paid What They Are Worth?" Chair, Fall 2011.

Sonja Kolstoe, "Recreational Sports Groups as an Indicator of Risk Preferences over Financial and Health Lotteries," Committee Member, Fall 2011.

UNLV DOCTORAL DISSERTATION COMMITTEES:

Justin Gardner, "Life after Service for Post-9/11 Veterans: Data, Methods, and Policy Impacts," Ph.D. in Public Affairs, School of Public Policy and Leadership, Greenspun College of Urban Affairs, Graduate College Representative, Fall 2016.

## REFEREED JOURNAL ARTICLES:

- 25) “Oil Supply Shocks and the U.S. Economy: An Estimated DSGE Model” (with Nathan S. Balke), *Energy Policy*, May 2018, first submitted May 2017; accepted February 14, 2018.
- 24) “New Estimates of the of the Security Costs of U.S. Oil Consumption,” *Energy Policy*, February 2018, accepted November 3, 2017.
- 23) “Natural Gas vs. Oil in U.S. Transportation: Will Prices Confer an Advantage to Natural Gas?” *Energy Policy*, November 2017, accepted August 7, 2017.
- 22) “OPEC and World Oil Security” (with Hillard G. Huntington), *Energy Policy*, September 2017, accepted June 13, 2017.
- 21) “Using the Environmental Kuznets Curve to Evaluate Energy Policy: Some Practical Considerations” (with Ian K. McDonough), *Energy Policy*, November 2016.
- 20) “The Green Paradox of U.S. Biofuel Subsidies: Impact on Greenhouse Gas Emissions” (with Maura Allaire), *Economics of Energy & Environmental Policy*, September 2015. Award for the best article in *Economics of Energy & Environmental Policy* during its first five years of publication.
- 19) “Evaluating the Costs of U.S. Reliance on Imported Oil” (with Hillard G. Huntington), *Energy Policy*, April 2015.
- 18) “Assessing the U.S. Oil Security Premium” (with Hillard G. Huntington), *Energy Economics*, July 2013.
- 17) “Market Arbitrage: European and North American Natural Gas Prices” (with Mine K. Yücel), *The Energy Journal*, special issue 2009.
- 16) “Deliverability and Regional Pricing in U.S. Natural Gas Markets” (with Mine K. Yücel), *Energy Economics*, September 2008.
- 15) “Energy Security and Climate Change Protection: Complementarity or Tradeoff?” (with Hillard G. Huntington), *Energy Policy*, September 2008.
- 14) “What Drives Natural Gas Prices?” (with Mine K. Yücel), *The Energy Journal*, 29(2), 2008. Campbell Watkins Award for the best article in *The Energy Journal* during 2008.
- 13) “The Private Sector Impact of State and Local Government: Has More Become Bad?” (with Lori L. Taylor), *Contemporary Economic Policy*, October 2006.

## REFEREED JOURNAL ARTICLES (continued):

- 12) “Energy Security and Global Climate Change Mitigation” (with Hillard G. Huntington), *Energy Policy*, 32(6), 2004.
- 11) “State and Local Policy, Factor Markets and Regional Growth” (with Kathy J. Hayes and Lori L. Taylor), *Review of Regional Studies* 33(1), 2003.
- 10) “Government Power and Organization” (with Jason L. Saving), *Economic Inquiry*, July 2002.
- 9) “Oil Price Shocks and the U.S. Economy: Where Does the Asymmetry Originate?” (with Nathan S. Balke and Mine K. Yücel), *The Energy Journal* 23(3), Third Quarter 2002.
- 8) “Energy Prices and Aggregate Economic Activity: An Interpretative Survey” (with Mine K. Yücel), *Quarterly Review of Economics and Finance*, 42(2), Second Quarter 2002.
- 7) “Directions for U.S. Energy Conservation and Independence,” *Business Economics*, October 1996.
- 6) “The Economic Cost of U.S. Oil Conservation” (with Hillard G. Huntington), *Contemporary Economic Policy*, July 1994.
- 5) “LDC Cooperation in World Oil Conservation” (with Hillard G. Huntington), *The Energy Journal*, special issue, 1994.
- 4) “U.S. Oil Demand and Conservation” (with Keith R. Phillips), *Contemporary Policy Issues*, January 1991.
- 3) “Lower Oil Prices and State Employment” (with John K. Hill), *Contemporary Policy Issues*, July 1988.
- 2) “The Fairness of Discounting: A Majority Rule Approach,” *Public Choice*, October 1987.
- 1) “A Note on Environmental Risk and the Rate of Discount,” *Journal of Environmental Economics and Management*, September 1983.

## ARTICLES IN FEDERAL RESERVE BANK OF DALLAS REVIEWS

- 18) “Terms of Trade and OECD Policies to Mitigate Global Climate Change” (with Hillard G. Huntington), *Economic and Financial Policy Review* 2(1), Federal Reserve Bank of Dallas, 2003. <<https://www.dallasfed.org/research/efpr.aspx>>

- 17) “Gasoline and Crude Oil Prices: Why the Asymmetry?” (with Mine K. Yücel), *Economic and Financial Review*, Federal Reserve Bank of Dallas, Third Quarter 2000.
- 16) “Natural Resource Scarcity and Technological Change” (with Daniel Wolk), *Economic and Financial Review*, Federal Reserve Bank of Dallas, First Quarter 2000.
- 15) “Oil Prices and U.S. Aggregate Economic Activity: A Question of Neutrality” (with Mine K. Yücel), *Economic and Financial Review*, Federal Reserve Bank of Dallas, Second Quarter 1999.
- 14) “Some Economic Implications of Global Warming Policy,” *Economic Review*, Federal Reserve Bank of Dallas, Fourth Quarter 1998.
- 13) “Some Implications of Increased Cooperation in World Oil Conservation” (with Hillard G. Huntington), *Economic Review*, Federal Reserve Bank of Dallas, Second Quarter 1998.
- 12) “Crude Oil and Gasoline Prices: An Asymmetric Relationship?” (with Nathan S. Balke and Mine K. Yücel), *Economic Review*, Federal Reserve Bank of Dallas, First Quarter 1998.
- 11) “Intellectual Property Rights and Product Effectiveness” (with William C. Gruben), *Economic Review*, Federal Reserve Bank of Dallas, Fourth Quarter 1997.
- 10) “Energy Prices and State Economic Performance” (with Mine K. Yücel), *Economic Review*, Federal Reserve Bank of Dallas, Second Quarter 1995.
- 9) “The Pricing of Natural Gas in U.S. Markets” (with Mine K. Yücel), *Economic Review*, Federal Reserve Bank of Dallas, Second Quarter 1993.
- 8) “Oil Demand and Prices in the 1990s” (with Keith R. Phillips), *Economic Review*, Federal Reserve Bank of Dallas, January 1989.
- 7) “The New Fiscal Environment in Texas: What It Means for State Economic Growth,” *Economic Review*, Federal Reserve Bank of Dallas, January 1988.
- 6) “New Directions for Economic Growth: Redesigning Fiscal Policies in Louisiana, New Mexico, and Texas,” *Economic Review*, Federal Reserve Bank of Dallas, July 1987.
- 5) “Exchange Rates and World Oil Prices” (with Keith R. Phillips), *Economic Review*, Federal Reserve Bank of Dallas, March 1986.



## ARTICLES IN FEDERAL RESERVE BANK OF DALLAS REVIEWS (continued):

- 4) “Consumers May Not Benefit from Wellhead Price Controls on Natural Gas,” *Economic Review*, Federal Reserve Bank of Dallas, July 1985.
- 3) “The Effects of Oil Prices and Exchange Rates on World Oil Consumption” (with Keith R. Phillips), *Economic Review*, Federal Reserve Bank of Dallas, July 1984.
- 2) “Will Deregulating Natural Gas Increase Its Price to Consumers?” *Economic Review*, Federal Reserve Bank of Dallas, July 1983.
- 1) “Reducing U.S. Vulnerability to World Oil Supply Disruptions,” *Economic Review*, Federal Reserve Bank of Dallas May 1982.

## OTHER REFEREED PUBLICATIONS:

- 3) “The Shale Gas and Tight Oil Boom: U.S. States’ Economic Gains and Vulnerabilities” (with Mine K. Yücel), A CFR Energy Brief, Council on Foreign Relations, October 2013.
- 2) “Consequences of U.S. Dependence on Foreign Oil” (with Ryan T. Kennelly), National Energy Policy Institute, Tulsa, OK, April 2013.
- 1) “U.S. Energy Subsidies: Effects on Energy Markets and Carbon Dioxide Emissions” (with Maura Allaire), for Pew Charitable Trusts, Washington, DC, August 14, 2012.

## CHAPTERS IN BOOKS AND CONFERENCE VOLUMES:

- 9) “Understanding U.S. Natural Gas Markets,” in *Energy Choices: How to Power the Future*, Vol. 1, Robin Morris Collin (ed.), 2014.
- 8) “Energy and Natural Resources,” (with Joel Darmstadter) in *Megatrends in Global Interaction*, 1st edition, Bertelsmann Foundation (ed.), Bertelsmann Stiftung, Gütersloh, Germany, 2012.
- 7) “Macroeconomics,” chapter 5 (with others), *Prudent Development: Realizing the Potential of North America’s Abundant Natural Gas and Oil Resources*, National Petroleum Council, Washington, DC, September 2011.
- 6) “Do Higher Oil Prices Still Benefit Texas?” (with Mine Yücel), in *The Face of Texas*, Mine Yücel editor, Federal Reserve Bank of Dallas, October 2005.
- 5) “Business Cycles and Energy Prices” (with Mine K. Yücel and John Thompson), in *Encyclopedia of Energy*, Vol. 1, Cutler J. Cleveland editor, Elsevier-Academic Press, March 2004.

## CHAPTERS IN BOOKS AND CONFERENCE VOLUMES (continued):

- 4) “Energy in the Future of the Southwest” (with Keith R. Phillips), in *The Southwest Economy in the 1990s: A Different Decade*, Proceedings of the 1989 Conference on the Southwest Economy Sponsored by the Federal Reserve Bank of Dallas, Kluwer Academic Publishers, Norwell, Massachusetts, 1991.
- 3) “Tax Policy and Texas Economic Development,” in *Rethinking Texas Taxes*, vol. 2, *Analysis of the Tax System*, State of Texas Select Committee on Tax Equity, Final Report to the 71st Texas Legislature (Austin, Texas), January 1989.
- 2) “Outlook for the Southwest Economy: 1990 and Beyond” (with Harvey Rosenblum), in *From the Southwest to the World*, Federal Reserve Bank of Dallas, 1988.
- 1) “Natural Gas Pipelines: Rent Revealed,” in *The Energy Industries in Transition: 1984-2000*, John Weyant and Dorothy Sheffield editors (Washington, D.C.: International Association of Energy Economists, 1984).

## BOOK REVIEW:

*U.S. Energy Policy and the Pursuit of Failure*, by Peter Z. Grossman, New York, USA, Cambridge University Press, *Journal of Natural Resources Policy Research*, November 2014. <http://dx.doi.org/10.1080/19390459.2014.979568>.

## EDITORIALS:

“Recent Developments and Future Directions at *Energy Policy*” (with Michael Jefferson, Marilyn Brown, Reinhard Madlener, Stephen Thomas and Peng Zhou), *Energy Policy*, October 2018.

“Oil supply disruptions, U.S. economic activity and oil security” (with Hillard G. Huntington), *Energy Policy*, May 2018.

“Writing successfully for *Energy Policy*” (with Michael Jefferson, Reinhard Madlener, Stephen Thomas and Peng Zhou), *Energy Policy*, June 2016.

“Energy Policy’s New Editorial Leadership” (with Michael Jefferson, Reinhard Madlener, Stephen Thomas and Peng Zhou), *Energy Policy*, October 2015.

## DISSERTATION:

*Public Choice, Intergenerational Equity and the Social Rate of Discount*, Ph.D. dissertation, University of Maryland, December 1979. Advisor: Martin C. McGuire

## CURRENT RESEARCH:

Fossil Fuel Subsidies (with Maura Allaire)  
Market Structure and the Incidence of Energy Taxation  
Imported Oil and U.S. Defense Spending (with Hillard Huntington)  
Effects of Building the Keystone XL Pipeline (with Hillard Huntington)  
Effects of Lifting the U.S. Oil Export Ban (with Hillard Huntington)  
Oil Price Shocks and the U.S. Economy (with Nathan Balke)  
Risk, Irreversibility and Tenure Decisions (with Ian McDonough)  
Markets, Government and Freedom: Finding the Balance

## RESOURCES FOR THE FUTURE ISSUE BRIEFS:

“Falling Oil Prices and U.S. Economic Activity: Implications for the Future,” Issue Brief 14-06, Resources for the Future, December 2014.

<<http://www.rff.org/RFF/Documents/RFF-IB-14-06.pdf>>

“Crude Behavior: How Lifting the Export Ban Reduces Gas Prices in the United States,” (with Charles Mason, Alan Krupnick and Jan Mares) Issue Brief 14-03, Resources for the Future, March 2014. <<http://www.rff.org/RFF/Documents/RFF-IB-14-03-REV.pdf>>

“Natural Gas: A Bridge to a Low-Carbon Future?” (with Alan J. Krupnick and Margaret A. Walls) Issue Brief 09-11, Resources for the Future, December 2009.

<<http://www.rff.org/RFF/Documents/RFF-IB-09-11.pdf>>

“Eliminating Subsidies for Fossil Fuel Production: Implications for U.S. Oil and Natural Gas Markets” (with Maura Allaire), Issue Brief 09-10, Resources for the Future, December 2009. <<http://www.rff.org/RFF/Documents/RFF-IB-09-10.pdf>>

## REPORTS:

“Oil Supply Shocks, U.S. Gross Domestic Product, and the Oil Security Premium” (with Alan Krupnick, Richard Morgenstern, Nathan Balke, Ana María Herrera, and Shashank Mohan) Resources for the Future, Washington, DC, November 2017.

“2015 Midyear Economic Outlook” (with Ryan T. Kennelly), Center for Business and Economic Research, University of Nevada, Las Vegas, June 2015.

“2015 Economic Outlook” (with Ryan T. Kennelly), Center for Business and Economic Research, University of Nevada, Las Vegas, December 2014.

“An Updated Economic Analysis of the Education Initiative,” (with Rennae Daneshavry, Constant Tra, C. Jeffrey Waddoups and Jinju Lee) Center for Business and Economic Research, University of Nevada, Las Vegas, August 2014.

## REPORTS (continued):

“Provider Rates for Certified Community Training Centers and Supported Living Arrangements in Nevada,” (with Shi Yan Renee Liu) Center for Business and Economic Research, University of Nevada, Las Vegas, August 2014.

“2014 Midyear Economic Outlook,” Center for Business and Economic Research, University of Nevada, Las Vegas, June 2014.

“2014 Economic Outlook” (with Constant Tra and Ryan T. Kennelly), Center for Business and Economic Research, University of Nevada, Las Vegas, December 2013.

“Outlook: 2013 Midyear Economic Outlook” (with Constant Tra and Ryan T. Kennelly), Center for Business and Economic Research, University of Nevada, Las Vegas, July 2013.

“The Potential Impact of UNLV as a Tier 1 Research Institution” (with others), for Office of the President, UNLV, May 2013.

“Consequences of U.S. Dependence on Foreign Oil” with (Ryan T. Kennelly), National Energy Policy Institute, April 2013.

“The Shortfall in Funding Nevada’s Roads and Highways” (with Kylelar P. Maravich), for State of Nevada, March 2013.

“2013 Economic Outlook” Center for Business and Economic Research, University of Nevada, Las Vegas, December 2012.

“U.S. Energy Subsidies: Effects on Energy Markets and Carbon Dioxide Emissions” (with Maura Allaire), Pew Charitable Trusts. Washington, D.C. August 2012.

“An Examination of Selected Energy Tax Provisions: The Effect on Energy Markets and Carbon Dioxide Emissions” (with Ryan T. Kennelly and Kylelar Maravich), for National Academy of Sciences, Washington, DC, June 25, 2012.

“Outlook: 2012 Midyear Economic Outlook” Center for Business and Economic Research, University of Nevada, Las Vegas, May 2012.

“2012 Economic Outlook,” Center for Business and Economic Research, University of Nevada, Las Vegas, December 2011.

“Economic Integration of Washoe County TEA Tracts with Tract 35.01” (with Robert D. Potts and Christopher Drury), Center for Business and Economic Research, University of Nevada, Las Vegas, September 2011.

## REPORTS (continued):

“The Economic Impact on Nevada of Sourcing Construction Crews from Inside or Outside the State” (with Constant Tra and Christopher Drury), for NV Energy, Center for Business and Economic Research, University of Nevada, Las Vegas, August 31, 2011.

“Midyear 2011 Economic Outlook,” Center for Business and Economic Research, University of Nevada, Las Vegas, June 2011.

“The Value of Education Produced at the University of Nevada, Las Vegas” (with Christopher Drury), Center for Business and Economic Research, University of Nevada, Las Vegas, April 2011.

“Nevada Economic Conditions and Outlook” (with Robert D. Potts), Center for Business and Economic Research, University of Nevada, Las Vegas, April 2011.

“The Potential Impact of a State Lottery in Nevada” (with Constant Tra and Christopher Drury), Center for Business and Economic Research, University of Nevada, Las Vegas, March 2011.

“The Economic Impact of the Get Fresh Companies,” Center for Business and Economic Research, University of Nevada, Las Vegas, January 2011.

“NSHE Economic Impact Study, FY 09” (with others), Center for Economic Development and Center for Regional Studies, University of Nevada, Reno and Center for Business and Economic Research, University of Nevada, Las Vegas, January 2011.

“2011 Economic Outlook,” Center for Business and Economic Research, University of Nevada, Las Vegas, December 2010.

“Abundant Shale Gas Resources: Long-Term Implications for U.S. Natural Gas Markets” (with Alan J. Krupnick), Discussion Paper 10-41, Resources for the Future, Washington, DC, August 2010.

“Some Implications of Tightening Regulation of U.S. Deepwater Drilling,” Backgrounder, Resources for the Future, Washington, DC, June 2010.

“Estimating U.S. Oil Security Premiums” (with Hillard G. Huntington), Backgrounder, Resources for the Future, Washington, DC, June 2010.

“Perspectives on Energy Policy and Economic Research” (with Kristin Hayes, Alan J. Krupnick, and Jan Mares), RFF Report, Resources for the Future, Washington, DC, May 2010.

## REPORTS (continued):

“Abundant Shale Gas Resources: Some Implications for Energy Policy” (with Steven A. Gabriel and Ruud Egging), Backgrounder, Resources for the Future, Washington, DC, April 2010.

“The Texas Economy in Perspective” (with Mine K. Yücel), Federal Reserve Bank of Dallas, November 10, 2004.

“Global Warming Policy: Some Economic Implications,” National Center for Policy Analysis, Policy Report #224, May 1999, <<http://www.ncpa.org/studies/s224.html>>.

“Modeling Tax Credit Incentives for Business Investment in Selected Energy Conservation and Production Technologies” (with G. Anandalingam), Brookhaven National Laboratory report #31278, March 1982.

“Economic Analysis of Tax Credit Incentives for Business Investment in Energy Conservation and Production” (with G. Anandalingam), Brookhaven National Laboratory Report #51526, December 1981.

“The Impact of the National Energy Plan on the Pulp and Paper Industry,” (with others) Brookhaven National Laboratory report #51311, October 1980.

“The Impact of Energy and Environmental Legislation on Industry: Problems of Regulatory Cost Assessment” (with Peter Meier), Brookhaven National Laboratory Report #28956, August 1980.

“Industrial Energy Study of the Drug Manufacturing Industries” (with others), Versar, Inc., Springfield, Virginia, for FEA/Commerce, Final Report, Contract 14-01-0001-1669, Bureau of Mines, U.S. Department of the Interior, October 1974.

## ARTICLES IN PERIODICALS

“Falling Oil Prices: Implications in the United States,” *Resources*, Number 189, May 2015.

“Lifting the Oil Export Ban: What Would It Mean for US Gasoline Prices?” (with Charles F. Mason) *Resources*, Number 186, 2014.

“Abundant Natural Gas Could Mean a Paradigm Shift in U.S. Energy Markets and Policy,” *Resources*, Summer 2010.

“What’s Driving Diesel Fuel Prices?” (with Jackson Thies), *Economic Letter*, Federal Reserve Bank of Dallas, November 2009.

## ARTICLES IN PERIODICALS (continued):

“Crude Awakening: Behind the Surge in Oil Prices” (with Raghav Virmani and Richard Alm), *Economic Letter*, Federal Reserve Bank of Dallas, May 2008.

“What’s Driving Gasoline Prices?” (with Raghav Virmani), *Economic Letter*, Federal Reserve Bank of Dallas, October 2007.

“Bridging the Texas GDP Gap” (with Raghav Virmani), *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 2007.

“On the Record: Making Sense of High Energy Prices,” *Southwest Economy*, Federal Reserve Bank of Dallas, July/August 2006.

“Running on Empty? How Economic Freedom Affects Oil Supplies,” (with Richard Alm), *Economic Letter*, Federal Reserve Bank of Dallas, April 2006.

“Noteworthy: Quotable,” *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 2006.

“Noteworthy: Natural Gas: After a Big Price Jump, Falling Back to Reality,” *Southwest Economy*, Federal Reserve Bank of Dallas, January/February 2006.

“Natural Gas Pricing: Do Oil Prices Still Matter?” *Southwest Economy*, Federal Reserve Bank of Dallas, July/August 2005.

“Texas Finding Growth in Seeming Disadvantage” (with Raghav Virmani), *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 2005.

“The Effect of High Oil Prices on Today’s Texas Economy” (with Mine K. Yücel), *Southwest Economy*, Federal Reserve Bank of Dallas, September/October 2004.

“Revising Texas Economic History” (with Keith Phillips), *Southwest Economy*, Federal Reserve Bank of Dallas, July/August 2004.

“Do Energy Prices Threaten the Recovery?” *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 2004.

“U.S. Natural Gas Prices Heat Up,” *Southwest Economy*, Federal Reserve Bank of Dallas, September/October 2003.

“U.S. Natural Gas Markets in Turmoil,” *Dialogue*, U.S. Association for Energy Economics, July 2003.

## ARTICLES IN PERIODICALS (continued):

“What Wages and Property Values Say about Texas” (with Lori L Taylor), *Southwest Economy*, Federal Reserve Bank of Dallas, March/April 2003.

“California’s Electricity Woes: A Vision of the Future?” *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 2001.

“California is Giving Electricity Deregulation a Bad Name,” *Southwest Economy*, Federal Reserve Bank of Dallas, January/February 2001.

“Do Rising Oil Prices Threaten Economic Prosperity?” *Southwest Economy*, Federal Reserve Bank of Dallas, November/December 2000.

“Natural Resource Scarcity and Technological Change” (with Daniel Wolk), *Dialogue*, U.S. Association for Energy Economics, August 2000.

“Oil Prices and the Economy” (with Mine Yücel), *Southwest Economy*, Federal Reserve Bank of Dallas, July/August 2000.

“A Primer on Electricity Deregulation.” *St. Paul Legal Ledger*, Policy Briefing, March 2000.

“Some Economics of Global Warming Policy,” *From the Margin*, Economics Department, California Polytechnic State University, Winter 2000.

“Texas Update and Outlook” (with others), *Southwest Economy*, Federal Reserve Bank of Dallas, January/February 1999.

“Some Implications of Increased Cooperation in World Oil Conservation” (with Hillard G. Huntington), *Dialogue*, U.S. Association for Energy Economics, August 1998.

“Electricity Deregulation Likely to Benefit Consumers: Later if not Sooner” (with Sheila Dolmas), *Southwest Economy*, Federal Reserve Bank of Dallas, May/June 1998.

“The Energy Industry: Past, Present and Future” (with Mine K. Yücel), *The Southwest Economy*, Federal Reserve Bank of Dallas, Issue 4, 1995.

“Economics and the Statue of Liberty” (with Beverly Fox), *Economic Study Guide*, Federal Reserve Bank of Dallas, Spring 1994.

“Southwest Outlook Brighter in 1994” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, January/February 1994.



## ARTICLES IN PERIODICALS (continued):

“The Btu Tax: Effects on Energy Markets and the Southwest,” *The Southwest Economy*, Federal Reserve Bank of Dallas, July/August 1993.

“Southwest's Economic Growth to Exceed Nation's” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, March/April 1993.

“Southwest Economy Shows Strength After Second-Quarter Slowdown,” *The Southwest Economy*, Federal Reserve Bank of Dallas, November/December 1992.

“The Southwest's Stop and Go Economy” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, March/April 1992.

“A Balancing Act for State and Local Governments,” Economic Commentary, *The Southwest Economy*, Federal Reserve Bank of Dallas, November/December 1991.

“Southwest to Dodge Recession” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, January/February 1991.

“Oil Prices and the Economic Outlook” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, November 1990.

“Economic Outlook for the Southwest” (with others), *The Southwest Economy*, Federal Reserve Bank of Dallas, March 1990.

“Oil Price Gains Likely to Be Sustained,” *The Southwest Economy*, Federal Reserve Bank of Dallas, May 1989.

“The Future of the Southwest Economy” (with Lea Anderson), *The Southwest Economy*, Federal Reserve Bank of Dallas, November 1988.

“Weakened Dollar Adds to Upward Pressure on Oil Prices,” (with Keith Phillips) *Energy Highlights*, Federal Reserve Bank of Dallas, July 1987.

“Residential Customers Still Face High Natural Gas Prices,” *Energy Highlights*, Federal Reserve Bank of Dallas, January 1987.

“Natural Gas Price Likely to Fall Further,” *Energy Highlights*, Federal Reserve Bank of Dallas, October 1986.

“Assessing the Market for Natural Gas” (with Michael J. Barron), *Texas A & M Business Forum*, Fall 1986.

## ARTICLES IN PERIODICALS (continued):

“Lower Oil Prices Will Boost U.S. Refinery Production,” *Energy Highlights*, Federal Reserve Bank of Dallas, April 1986.

“Oil Price Likely to Fall Further,” *Energy Highlights*, Federal Reserve Bank of Dallas, October 1985.

“Strong Dollar Adds to Refining Woes” (with William Long), *Energy Highlights*, Federal Reserve Bank of Dallas, July 1985.

“Falling Oil Prices Induce Early Phaseout of Windfall Profit Tax” (with William Long), *Energy Highlights*, Federal Reserve Bank of Dallas, April 1985.

“Economic Recovery May Have Disappointed OPEC,” *Energy Highlights*, Federal Reserve Bank of Dallas, October 1984.

“A Strong Dollar Has Boosted Foreign Oil Prices,” *Energy Highlights*, Federal Reserve Bank of Dallas, April 1984.

“Estimates of Oil Price During Disruption Sensitive to Assumptions,” *Energy Highlights*, Federal Reserve Bank of Dallas, January 1984.

“Market Forces Halt the Rise in Natural Gas Prices” (with Ronald Schmidt), *Energy Highlights*, Federal Reserve Bank of Dallas, October 1983.

“Gas Market Slump Reflected in State Revenues” (with Ronald Schmidt), *District Highlights*, Federal Reserve Bank of Dallas, September 1983.

“Signs Point to Economic Recovery and Increased Oil Demand in U.S.,” *World Oil*, August 1983.

“Well Permits Do Not Yet Indicate a Recovery in Texas Oil Field Activity,” *Energy Highlights*, Federal Reserve Bank of Dallas, July 1983.

“A U.S. Economic Recovery Could Solidify World Oil Prices,” *Energy Highlights*, Federal Reserve Bank of Dallas, April 1983.

“Drilling Increase to Continue?” *Energy Highlights*, Federal Reserve Bank of Dallas, January 1983.

“U.S. Drilling Now Follows Business Cycle,” *World Oil*, December 1982.

“Drilling Recovery Not Yet in Sight,” *Energy Highlights*, Federal Reserve Bank of Dallas, October 1982.

## ARTICLES IN PERIODICALS (continued):

“Business Cycle Hits the Oil and Gas Industry,” *Energy Highlights*, Federal Reserve Bank of Dallas, July 1982.

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“Falling Oil Prices Provide a Mild Stimulus to U.S. Economic Activity,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, November 26, 2014. <<http://cber.unlv.edu/commentary/CBER-26Nov2014.pdf>>

“Is the U.S. Economy in Recession?” (with Peter Counts) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, May 30, 2014. <<http://cber.unlv.edu/commentary/CBER-30May2014.pdf>>

“A Long-Term Perspective on Nevada’s Job Growth,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, April 10, 2014. <<http://cber.unlv.edu/commentary/CBER-10Apr2014.pdf>>

“Las Vegas Visitors Increasingly Pursue Non-Gaming Activities,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, March 28, 2014 (revised April 14, 2014). <<http://cber.unlv.edu/commentary/CBER-28Mar2014.pdf>>

“Revised Data Show a Much Stronger Nevada Economy” (with Ryan T. Kennelly and Peter Counts) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, March 18, 2014. <<http://cber.unlv.edu/commentary/CBER-18Mar2014.pdf>>

“Tourism and Slow Growth of the Southern Nevada Economy” (with Ryan T. Kennelly) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, December 5, 2013. <<http://cber.unlv.edu/commentary/CBER-05Dec2013.pdf>>

“How U.S. Employment is Changing” (with Jinju Lee) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, October 8, 2013. <<http://cber.unlv.edu/commentary/CBER-08Oct2013.pdf>>

“Nevada Weekly Earnings Well Behind the National Pace” (with Peter Counts) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, September 23, 2013. <<http://cber.unlv.edu/commentary/CBER-23Sept2013.pdf>>

“Measuring U.S. and Nevada Unemployment,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, July 31, 2013. <<http://cber.unlv.edu/commentary/CBER-31July2013.pdf>>

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“U.S. Economic Activity Accelerates; Remains below Potential,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, May 3, 2013. <<http://cber.unlv.edu/commentary/CBER-03May2013.pdf>>

“The Nevada Economy Shows Renewed Strength,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, March 21, 2013. <<http://cber.unlv.edu/commentary/CBER-21Mar2013.pdf>>

“Will the Sequester Push the United States into Recession?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, March 5, 2013. <<http://cber.unlv.edu/commentary/CBER-05Mar2013.pdf>>

“Is the U.S. Economy Headed for Another Recession?” (with Parameshwaran Bhahirethan) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, February 11, 2013. <<http://cber.unlv.edu/commentary/CBER-11Feb2013.pdf>>

“What’s Shaping Nevada’s Economic Recovery?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, January 2, 2013. <<http://cber.unlv.edu/commentary/CBER-02Jan2013.pdf>>

“Southern Nevada Housing Market Shows Signs of Recovery,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, November 28, 2012. <<http://cber.unlv.edu/commentary/CBER-28Nov2012.pdf>>

“Fiscal Austerity Looms over U.S. Economy,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, November 9, 2012. <<http://cber.unlv.edu/commentary/CBER-09Nov2012.pdf>>

“What’s Up at the Pump?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, October 22, 2012. <<http://cber.unlv.edu/commentary/CBER-22Oct2012.pdf>>

“Where Is the U.S. Economy Headed?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, September 28, 2012. <<http://cber.unlv.edu/commentary/CBER-28Sept2012.pdf>>

“Fiscal Cliff Raises Specter of U.S. Recession” (with Kylelar Maravich), *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, August 24, 2012. <<http://cber.unlv.edu/commentary/CBER-24August2012.pdf>>

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“Discouraging Economic Growth Brings Mild Monetary Response” (with Kyelar Maravich), *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, July 30, 2012.

<<http://cber.unlv.edu/commentary/CBER-01August2012.pdf>>.

“Slowing U.S. Economic Growth Hurting Nevada Tourism,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, July 30, 2012. <<http://cber.unlv.edu/commentary/CBER-30July2012.pdf>>.

“Is U.S. Monetary Policy Creating an Inflationary Environment?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, June 26, 2012. <<http://cber.unlv.edu/commentary/CBER-26June2012.pdf>>.

“Is U.S. Employment Growth Headed for a Stall?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, May 9, 2012. <<http://cber.unlv.edu/commentary/CBER-09May2012.pdf>>.

“Slowing GDP Growth in First Quarter: Disappointing, but Not Unexpected,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, April 30, 2012. <<http://cber.unlv.edu/commentary/CBER-30Apr2012.pdf>>.

“Will an Improving Economy Be Dragged Down by Higher Oil Prices?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, April 20, 2012. <<http://cber.unlv.edu/commentary/CBER-20Apr2012.pdf>>.

“Nevada Economy More Firmly in Recovery than Previously Realized,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, March 14, 2012. <<http://cber.unlv.edu/commentary/CBER-14Mar2012.pdf>>.

“Will U.S. Employment Growth be Sustained?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, February 21, 2012. <<http://cber.unlv.edu/commentary/CBER-21Feb2012.pdf>>.

“Why U.S. Monetary Policy Remains Easy,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, February 1, 2012. <<http://cber.unlv.edu/commentary/CBER-01Feb2012.pdf>>.

“U.S. Budget Deficit Could Decline,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, January 31, 2012. <<http://cber.unlv.edu/commentary/CBER-31Jan2012.pdf>>.

## WEB ARTICLES (continued):

“U.S. Economic Activity Strengthened in Fourth Quarter 2011,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, January 27, 2012. <<http://cber.unlv.edu/commentary/CBERonGDPQ4-2011.pdf>>.

“Nevada’s Economic Outlook for 2012,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, January 25, 2012. <<http://cber.unlv.edu/commentary/CBERonNevadaEconomy-Jan2012.pdf>>.

“Nevada Unemployment Rate Falls in December,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, January 23, 2012. <<http://cber.unlv.edu/commentary/CBERonNVEmployment-Dec2011.pdf>>.

“Consumer Spending Suggests an Acceleration of GDP Growth,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, December 23, 2011. <<http://cber.unlv.edu/commentary/CBERonRevisedGDP-Dec2011.pdf>>.

“CBER’s Southern Nevada Business Confidence Index Shows Favorable Outlook,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, December 13, 2011. <<http://cber.unlv.edu/commentary/CBERonSNVBCI-1Q2012.pdf>>.

“How U.S. Employment Is Changing” (with Hui Liu) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, December 1, 2011. <<http://cber.unlv.edu/commentary/CBERonEmployment.pdf>>

“Las Vegas Tourism Is Changing as It Recovers,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, November 14, 2011. <<http://cber.unlv.edu/commentary/CBERonLVTourism-11-14-11.pdf>>.

“U.S. Economy Headed in Right Direction,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, November 2, 2011. <<http://cber.unlv.edu/commentary/CBERonGDPQ3-2011.pdf>>

“A Closer Look at U.S. Economic Weakness” (with Hui Liu) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, October 24, 2011. <<http://cber.unlv.edu/commentary/CBERonUSEconomicWeakness.pdf>>

“CBER’s Index of Southern Nevada Business Confidence Declines,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, September 29, 2011. <<http://cber.unlv.edu/commentary/CBERonSNVBCI-4Q2011.pdf>>

## WEB ARTICLES (continued):

“Why Such a Slow Recovery of the U.S. Economy?” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, September 23, 2011. <<http://cber.unlv.edu/commentary/CBERonSlowRecovery.pdf>>

“The Current Economic Outlook for Metropolitan Las Vegas,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, September 8, 2011. <<http://cber.unlv.edu/commentary/CBERonLasVegasEconomy-9-8-11.pdf>>

“Is the U.S. Economy Headed for a Double-Dip Recession?” (with Ryan T. Kennelly) *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, August 19, 2011. <<http://cber.unlv.edu/commentary/CBERonDoubleDip2.pdf>>

“Reducing the U.S. Government’s Budget Deficit,” *Economic Commentary*, Center for Business and Economic Research, University of Nevada, Las Vegas, July 22, 2011. <<http://cber.unlv.edu/commentary/CBERontheDeficitreport1.pdf>>

“Abundant Natural Gas Could Bring Big Changes to U.S. Energy Markets and Policy,” *Weekly Policy Commentary*, Resources for the Future, March 26, 2010. <<http://www.rff.org/Publications/WPC/Pages/Abundant-Natural-Gas-Could-Bring-Big-Changes.aspx>>

“Reassessing Oil Security,” *Weekly Policy Commentary*, Resources for the Future, October 5, 2009. <<http://www.rff.org/Publications/WPC/Pages/Reassessing-Oil-Security-Stephen-P.A.-Brown.aspx>>

“Signs of a Reprieve” (with Jackson Thies), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, Third Quarter 2008. (no longer available)

“No Let Up in Energy Prices” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, Second Quarter 2008. (no longer available)

“Oil Prices Near Record Levels, Then Fall” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, First Quarter 2008. (no longer available)

“Soaring Oil Prices Dominate Energy Markets” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, Fourth Quarter 2007. (no longer available)

“Oil Prices Reach and Retreat from New Highs; Gasoline Prices Fall” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, Third Quarter 2007. (no longer available)

## WEB ARTICLES (continued):

“Energy Prices Rising as Markets Tighten Further” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, Second Quarter 2007. (no longer available)

“Volatile Oil and Natural Gas Prices” (with Raghav Virmani), *Quarterly Energy Update*, Federal Reserve Bank of Dallas, First Quarter 2007. (no longer available)

“EconoBlog: Will Oil History Repeat Itself?” (with James Hamilton), *The Wall Street Journal Online*, August 10, 2006. (no longer available)

“Two Hurricanes Too Many” (with Mine K. Yücel and Robert W. Gilmer), *Expand Your Insight*, Federal Reserve Bank of Dallas, October 2005. (no longer available)

“Gasoline Prices Soar: Heating Oil Set for Winter Hike,” *Expand Your Insight*, Federal Reserve Bank of Dallas, August 2005. (no longer available)

“U.S. Gasoline Prices Rise More than 50 Cents per Gallon,” *Expand Your Insight*, Federal Reserve Bank of Dallas, May 2004. (no longer available)

“U.S. Gasoline Prices on the Rise Again,” *Expand Your Insight*, Federal Reserve Bank of Dallas, May 2004. (no longer available)

“U.S. Gasoline Prices Surge in Late Summer,” *Expand Your Insight*, Federal Reserve Bank of Dallas, August 2003. (no longer available)

“What a Difference a Quarter Makes” (with Priscilla Caputo), *Expand Your Insight*, Federal Reserve Bank of Dallas, May 2002. (no longer available)

“Oil and Natural Gas Prices Rise, Drilling Activity Falls” (with Priscilla Caputo), *Expand Your Insight*, Federal Reserve Bank of Dallas, April 2002. (no longer available)

“What’s Up at the Pump?” *Expand Your Insight*, Federal Reserve Bank of Dallas, May 2001. (no longer available)

“A Wake-Up Call in California,” *Expand Your Insight*, Federal Reserve Bank of Dallas, March 2001. (no longer available)

“The New Texas Economy” (with Lori L. Taylor, Fiona Sigalla and Mine Yücel), *Expand Your Insight*, Federal Reserve Bank of Dallas, April 1999. (no longer available)



BOOKS EDITED:

*An Economic Perspective on the Southwest: Defining the Decade*, Proceedings of the 1990 Conference on the Southwest Economy Sponsored by the Federal Reserve Bank of Dallas (with Gerald P. O'Driscoll, Jr.), Kluwer Academic Publishers, Norwell, MA., 1991.

*The Southwest Economy in the 1990s: A Different Decade*, Proceedings of the 1989 Conference on the Southwest Economy Sponsored by the Federal Reserve Bank of Dallas (with Gerald P. O'Driscoll, Jr.), Kluwer Academic Publishers, Norwell, MA, 1992.

REFEREE ACTIVITY:

Sloan Foundation  
National Science Foundation  
Environmental Protection Agency  
*Economic Inquiry*  
*Southern Economic Journal*  
*The Energy Journal*  
*Energy Economics*  
*Energy Policy*  
*Journal of Environmental Economics and Management*  
*Contemporary Economic Policy*  
*Contemporary Policy Issues*  
*Review of Regional Studies*  
*Eastern Economic Journal*  
*Quarterly Review of Economics and Finance*  
*Canadian Journal of Agricultural Economics*  
*Journal of Regional Science*  
*Energy Strategy Reviews*  
*Environmental and Resource Economics*  
*Review of Environmental Economics and Policy*  
*Economic Analysis and Policy*

PAST ADMINISTRATIVE SERVICE:

Undergraduate Coordinator, Department of Economics, August 2015 to June 2018.

Director, Center for Business and Economic Research, University of Nevada, Las Vegas, September 2010 through June 2015.

Executive Director, Nevada Kids Count, University of Nevada, Las Vegas, September 2010 through June 2015.

Board of Directors, Association for University Business and Economic Research, 2013-14.

PAST ADMINISTRATIVE SERVICE (continued):

Chair, Recruiting Committee, Economics Department, UNLV, 2013-2014 academic year.

Co-Director, Center for Energy Economics and Policy, Resources for the Future, March 2010 through August 2010.

Helped to develop the Center for Energy Economics and Policy, Resources for the Future, April 2009 to March 2010.

Directed the Energy Economics and Microeconomic Public Policy Group, Federal Reserve Bank of Dallas, 1995-2008.

Served on the management team with overall responsibility for the Research Department of the Federal Reserve Bank of Dallas, including hiring, retention and promotion decisions, 1989-2008.

Directed the preparation of *Beige Book*, a survey of regional economic conditions, Federal Reserve Bank of Dallas, 1989-2008.

Editor, *Economic and Financial Policy Review*, *Economic and Financial Review*, and *Economic Review*; Federal Reserve Bank of Dallas, 1989-2005.

Editor, *Southwest Economy*, Federal Reserve Bank of Dallas, 1988-94 and 2001-2005.

President, Dallas-Fort Worth chapter of the International Association for Energy Economics, August 2000 through May 2004.

Reorganized, rebuilt and directed, the Research Support and Assistance Areas, Federal Reserve Bank of Dallas, 1995-2000.

Developed and directed the Regional Economic Analysis Group, Federal Reserve Bank of Dallas, 1989-1995.

Organized and directed various Total Quality Management teams to address processes in the Research Department and between the Research Department and other departments of the Federal Reserve Bank of Dallas, 1995-2002.

Developed and prepared Research Department self-evaluation materials for annual evaluation process, 1987-97.

Co-organized, *Defining the Decade*, a conference on the Southwest Economy sponsored by the Federal Reserve Bank of Dallas, November 1990.

PAST ADMINISTRATIVE SERVICE (continued):

Co-organized, *The 1990s: A Different Decade*, a conference on the Southwest economy sponsored by the Federal Reserve Bank of Dallas, October 1989.

Co-organized, *From the Southwest to the World*, a conference on the Southwest economy sponsored by the Federal Reserve Bank of Dallas, October 1988.

Coordinated development of *The Southwest Economy* newsletter, Federal Reserve Bank of Dallas, 1988.

Directed *Energy Highlights*, Federal Reserve Bank of Dallas, 1982-87.

Co-organized, Federal Reserve System Conference on Energy Economics, May 1984.

Coordinated, Economic Seminars, Research Department, Federal Reserve Bank of Dallas, 1987 to 1989.

Treasurer, Dallas/Fort Worth Chapter, International Association of Energy Economists, 1983-84.

PAST PROFESSIONAL SERVICE:

Undergraduate Curriculum Committee, Lee Business School, UNLV, August 2015 to June 2018.

Core Curriculum Committee, Lee Business School, UNLV, September 2017 to June 2018.

Outside assessor for Fellow of the College, Trinity College Dublin, January 2017.

Developed and refined MarketSim, an economics model used by the U.S. Department of Interior for offshore leasing of oil and natural gas, 2010, 2014, 2016.

Outside review, promotion and tenure, Department of Economics, University of Minnesota, Duluth, November 2016.

Assessment Committee, Lee Business School, UNLV, August 2015 through January 2016.

UNLV Academic Assessment Committee, September 2015 through January 2016.

Outside review for election to the Royal Society of Canada, November 2015.

UNLV Council for Centers, Institutes, Museums and Laboratories, August 2012 through August 2015.

PAST PROFESSIONAL SERVICE (continued):

Community Outreach/Development Committee, Economics Department, UNLV, August 2013 through June 2015.

International Advisory Board, *Energy Policy*, January 2014 through December 2014.

Strategic Planning Committee, Lee Business School, UNLV, 2013-15 academic years.

Mock job interviews of graduate students, Western Economic Association Meeting, Denver, Colorado, June-July 2014

American Statistical Association's Advisory Committee for the U.S. Energy Information Administration, April 2008 through November 2013.

Dean Search Committee, Lee Business School, UNLV, 2012-13.

Promotion and Tenure Committee, Department of Economics, UNLV, 2012-2013 and 2010-2011 academic years.

Research Council, University of Nevada, Las Vegas, academic year 2011-12.

Search Committee, Executive Director of Economic Development and Technology Transfer, University of Nevada, Las Vegas, 2011-12.

U.S. Department of Interior, offshore oil and natural gas leasing, 2010-2011

Advised the president of the Federal Reserve Bank of Dallas on current economic conditions in preparation for meetings of the Federal Open Market Committee, 1982-2008.

Advisory Board for Economic Education, Federal Reserve Bank of Dallas, 2000-05.

Outside referee, promotion, Department of Marketing, Business Economics and Law, University of Alberta, August 2002.

Advisory Council for the College of Business, California Polytechnic State University, San Luis Obispo, California, 2000-01.

Automation Committee, which reviewed and approved all automation strategies for the Federal Reserve Bank of Dallas, 1997-2000.

Advisory Board for Employee Training Department, Federal Reserve Bank of Dallas, 1994-97.

PAST PROFESSIONAL SERVICE (continued):

Economic Review Panel, National Petroleum Council Study on Future Issues Facing the Oil and Gas Industry, 1995.

Outside review of work, Office of the Comptroller, State of Texas, 1992.

Research Advisory Committee, Greater Dallas Chamber of Commerce, 1990-92.

Outside review of work, Energy Information Administration, U.S. Department of Energy, December 1991.

Outside review, promotion and tenure, Department of Mineral Economics, The Pennsylvania State University, November 1991.

*Dallas Morning News* Board of Energy Experts, 1982-90.

Outside referee, promotion, Department of Mineral Economics, The Pennsylvania State University, 1989.

TESTIMONY AND HIGH-LEVEL PRESENTATIONS:

“Nevada Kids Count 2012 Data Book,” Assembly Health and Human Services Committee, State of Nevada, Carson City, Nevada, April 3, 2013.

“2012 Economic Outlook,” Public Hearing of the State of Nevada Economic Forum, Las Vegas, NV, December 13, 2011.

“Las Vegas Taxi Cab Projections,” Nevada Taxicab Authority, Las Vegas, Nevada, August 23, 2011.

“Nevada Kids Count 2010 Data Book,” Senate Education Committee, State of Nevada, Carson City, Nevada, May 11, 2011.

“Nevada Kids Count 2010 Data Book,” Assembly Health and Human Services Committee, State of Nevada, Carson City, Nevada, May 11, 2011.

“An Economic Assessment of Eliminating Oil and Gas Company Tax Credits,” Hearing of the U.S. Senate Committee on Finance Subcommittee on Energy, Natural Resources and Infrastructure, Washington, D.C., September 10, 2009.

“U.S. Natural Gas Market in Turmoil,” Hearing of the Subcommittee on Energy and Mineral Resources, U.S. House of Representatives, Washington, D.C., June 19, 2003.

## TESTIMONY AND HIGH-LEVEL PRESENTATIONS (continued):

“The Texas Economy in Recovery,” Meeting of the Governor’s Task Force on Texas Economic Development, San Antonio, Texas, April 2002.

“Capitalizing on Economic Trends to Promote Economic Growth in Texas,” State of Texas Strategic Economic Planning Commission, Austin, Texas, January 14, 1998.

Panelist, “Sustainable Energy Development: Getting There From Here,” PBS Television Series, *Man, Energy and The Environment*, Taped: Houston, Texas, April 14, 1994.

“Growth of the Texas Economy,” United Kingdom Members of Parliament Select Committee on Employment, Dallas, Texas, February 1992.

“Tax Policy and Texas Economic Development,” State of Texas Select Committee on Tax Equity, Austin, Texas, January 1988.

## OTHER MAJOR PRESENTATIONS:

“2015 Midyear U.S. Economic Update,” CBER Midyear Economic Update Conference, Las Vegas, NV, June 25, 2015.

“2015 U.S. Economic Outlook,” CBER Economic Outlook Conference, Las Vegas, NV, December 8, 2014.

“2013 Nevada KIDS COUNT,” Las Vegas, NV, June 19, 2014.

“Economic Outlook: Midyear 2014 Update,” CBER Midyear Economic Outlook Conference, Las Vegas, NV, June 18, 2014.

Panelist, Economic Effects of UNLV as a Tier 1 Institution, UNLV-Las Vegas Metro Chamber of Commerce, March 19, 2014.

“2014 Economic Outlook,” CBER Economic Outlook Conference, Las Vegas, NV, December 16, 2013.

“2013 Midyear Economic Update,” CBER Economic Outlook Conference, Las Vegas, NV, July 11, 2013.

“Consequences of U.S. Dependence on Foreign Oil,” Building America’s Energy Future, National Energy Policy Institute and the University of Tulsa, April 25, 2013.

“2013 Economic Outlook,” CBER Economic Outlook Conference, Las Vegas, NV, December 10, 2012

OTHER MAJOR PRESENTATIONS (continued):

“The Nevada Perspective on KIDS COUNT,” Unity Conference of Journalists, Las Vegas, NV, August 3, 2012.

“2011 Nevada KIDS COUNT,” Las Vegas, NV, June 10, 2012.

“2012 Midyear Economic Update,” CBER Midyear Economic Update Conference, Las Vegas, NV, May 30, 2012.

“2012 Economic Outlook,” CBER Annual Economic Outlook Conference, Las Vegas, NV, December 13, 2011.

“Economic Outlook,” Board of Directors, Silver State Credit Union, Las Vegas, NV, November 5, 2011

“Economic Outlook,” Senior Executives, Mitsubishi, Henderson, NV, October 18, 2011.

“U.S. Energy Subsidies: Effects on Energy Markets and Carbon Dioxide Emissions,” National Academy of Sciences, Washington, DC, October 6, 2011.

“Economic Outlook: Midyear 2011 Update,” CBER Midyear Economic Outlook Conference, Las Vegas, NV, June 20, 2011.

“Abundant Shale Gas Resources: Implications for U.S. Energy Markets,” Senior Executives, NV Energy, May 10, 2011.

“U.S. Economic Outlook,” CBER Annual Economic Outlook Conference, Las Vegas, NV, December 15, 2010.

“Southern Nevada Economic Outlook,” CBER Annual Economic Outlook Conference, Las Vegas, NV, December 15, 2010.

“The Economic Outlook for Nevada’s Target Market,” Governor’s Conference on Tourism, Reno, NV, December 7, 2010.

“Energy Pricing and Policy,” Cleantech Conference, San Francisco CA, February 26, 2008.

“Energy Prices and U.S. Economic Activity,” Joint Meeting of the Boards of Directors of the Federal Reserve Bank of Dallas and Richmond, Dallas, TX, February 2008.

“Globalization, Energy Prices and Economic Activity” (with Mine Yücel), Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, November 2007.

OTHER MAJOR PRESENTATIONS (continued):

“Energy Prices and Economic Activity,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, February 2007.

“Energy Prices and the U.S. Economy,” Forecasting Club of New York, New York, NY, June 2006.

“Energy Prices and the Economy,” National Association of Regulatory Utility Commissioners, Palm Springs, California, November 15, 2005.

“National Economic Update” (with Alan Viard), Joint Meeting of the Boards of Directors of the Federal Reserve Bank and Its Branches, October 2005.

“Energy Prices and the Economy,” Little Rock Distinguished Speaker Series, Little Rock, AR, April 2005.

“Energy Prices and the Economy,” Oil and Gas Investors, Senior Financial Officer Executive Forum, New York, NY, December 6, 2004.

“Energy Prices and the Economy,” Independent Petroleum Association of America, Austin, Texas, October 26, 2004.

“Looking Forward: Energy Markets and the Economy,” German Marshall Fund/American Marshall Fund Fellows, Dallas, TX, March 20, 2004.

“Energy Prices and the Economy,” Distinguished Speaker Series, Louisiana Public Service Commission, Baton Rouge, March 4, 2004.

“Energy Prices and the Economy,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, February 2004.

“Energy, Environment and the Economy,” Clean Gulf Conference, New Orleans, LA, November 20, 2003.

“Natural Gas Prices and the Economy,” National Association of Regulatory Utility Commissioners, Atlanta, Georgia, November 18, 2003.

“Natural Gas Prices and the Economy,” Louisiana State University Natural Gas Conference, Baton Rouge, LA, October 27, 2003.

“The Unsinkable Texas Economy Takes on Water” (with Pia Orrenius and Fiona Sigalla), Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, January 2002.



## OTHER MAJOR PRESENTATIONS (continued):

“California’s Electricity Woes: A Vision of the Future?” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, March 2001.

“Do Rising Energy Prices Threaten Economic Activity?” The Energy Council’s Global Energy and Environmental Issues Conference, Keystone, Colorado, December 2000.

“Oil Price Shocks and the Economy” (with Mine K. Yücel), Joint Meeting of the Boards of Directors of the Federal Reserve Banks of Dallas and San Francisco, San Francisco, June 2000.

“The Economics of Global Warming,” Public Forum, College of Business, California Polytechnic State University, San Luis Obispo, California, November 4, 1999.

“Global Warming Policy: Some Economic Implications,” National Press Club, Washington, DC, May 19, 1999.

“The Changing Texas Economy: Dynamics of the Free Market,” Meeting of Alan Greenspan, Chairman of the Federal Reserve System, with the Board of Directors of the Federal Reserve Bank of Dallas, December 10, 1998.

“Economic and Energy Market Conditions,” Senior Executives of Ultramar Diamond Shamrock, San Antonio, Texas, June 12, 1998.

“Global Warming Policy: Implications for the Economy,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, December 11, 1997.

“The Energy Industry: Past, Present and Future,” Joint Meeting of the Boards of Directors of the Federal Reserve Banks of Dallas and Kansas City, Dallas, May 1995.

“Impact of the Clinton Economic Program,” Joint Meeting of the Boards of Directors of the Federal Reserve Bank of Dallas and the Houston Branch, April 1993.

“1991 District Economic Outlook,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, January 1991.

“Oil Prices and the Outlook for the National and District Economies,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, September 1990.

“The Changing Outlook for Energy Prices,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, May 1990.

“1990 Economic Outlook,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, December 1989 and January 1990.

OTHER MAJOR PRESENTATIONS (continued):

“Dallas Economic Outlook,” Meeting of the Dallas City Council, January 1989.

“1989 Economic Outlook,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, December 1988.

Panelist, roundtable on Austin Economic Outlook, City of Austin, Texas, March 1988.

“1988 District Outlook,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, December 1987.

“What the New State Budget Means for Economic Growth,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, September 1987.

“Lower Oil Prices and Economic Performance in the Tenth and Eleventh Federal Reserve Districts,” Joint Meeting of the Boards of Directors of the Federal Reserve Banks of Dallas and Kansas City, Dallas, September 1986.

Panelist, roundtable on Dallas Economic Outlook, City of Dallas, July 1987.

“Outlook for the World Oil Market,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, September 1985.

“Exchange Rates and World Oil Prices,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, January 1985.

“Natural Gas Pipelines: Rent Revealed,” Office of Economic Analysis, U.S. Department of Energy, Washington, D.C., December 1984.

“Current Conditions in the World Oil Market,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, February, 1983.

“Business Cycle Hits Oil and Gas Industry,” Meeting of the Board of Directors of the Federal Reserve Bank of Dallas, March 1982.

PAPERS AT PROFESSIONAL MEETINGS:

“The Security Costs of U.S. Oil Dependence,” New Realities for US Energy Security, Resources for the Future, Washington, DC, November 30, 2017.

“New Estimates of the Security Costs of U.S. Oil Consumption,” Western Economic Association Meeting, San Diego, CA, June 25-29, 2017.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Oil Supply Shocks and the U.S. Economy: An Estimated DSGE Model” (with Nathan S. Balke), Western Economic Association Meeting, San Diego, CA, June 25-29, 2017.

“Aggregation of Results: New Estimates of the Security Costs of U.S. Oil Consumption,” Final Workshop on New Estimates for the Macroeconomic Implications of Oil Price Shocks, Resources for the Future, Washington, DC, December 2, 2016.

“DSGE Modeling: Presentation of Results” (with Nathan S. Balke), Final Workshop on New Estimates for the Macroeconomic Implications of Oil Price Shocks, Resources for the Future, Washington, DC, December 2, 2016.

“Aggregation of Results: Evaluating Oil Security,” Preliminary Workshop on New Estimates for the Macroeconomic Implications of Oil Price Shocks, Resources for the Future, Washington, DC, December 2, September 2, 2016.

“DSGE Modeling: Presentation of Results” (with Nathan S. Balke), Preliminary Workshop on New Estimates for the Macroeconomic Implications of Oil Price Shocks, Resources for the Future, Washington, DC, December 2, September 2, 2016.

“Oil vs. Natural Gas: Prices and US Economy Wide Factors,” Natural Gas in Transportation Workshop, UC Davis, October 1, 2015.

“Nevada Economic Outlook,” Western Economic Association Meeting, Denver, Colorado, June 2014.

“Nevada Economic Outlook,” Western Regional Science Association Meeting, San Diego, California, February 2014.

“The Potential Impact of UNLV as a Tier 1 Research Institution,” Association for University Business and Economic Research, Annual Meeting, Richmond, Virginia, October 2013.

“Nevada Economic Outlook,” Western Economic Association Meeting, Seattle, Washington, June 2013.

“Nevada Economic Outlook,” Western Regional Science Association Meeting, Santa Barbara, California, February 2013.

“Oil Price Shocks: Causes and Consequences,” Allied Social Science Associations annual meeting, San Diego, California, January 2013.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“A New Approach for Developing Regional Indexes of Leading Economic Indicators: with Application to Southern Nevada,” Association for University Business and Economic Research, Annual Meeting, Honolulu, Hawaii, October 2012.

“Nevada Economic Outlook,” Association for University Business and Economic Research, Annual Meeting, Honolulu, Hawaii, October 2012.

“Nevada Economic Outlook,” Western Economic Association Meeting, San Francisco, California, June 2012.

“Nevada Economic Outlook,” Western Regional Science Association Meeting, Poipu, Hawaii, February 2012.

“Some Implications of More Abundant Shale Gas Resources,” Annual Meeting of the National Association of Business Economists, September 13, 2011.

“U.S. Energy Subsidies: Effects on Energy Markets and CO<sub>2</sub> Emissions” (with Maura Allaire), International Energy Workshop, Stanford, CA, July 2011.

“Assessing the U.S. Oil Security Premium” (with Hillard G. Huntington), International Energy Workshop, Stanford, CA, July 2011.

“Nevada Economic Outlook,” Western Economic Association annual meeting, San Diego, CA, June 2011.

“Western States Economic Overview,” Western Economic Association annual meeting, San Diego, CA, June 2011.

“Assessing the U.S. Oil Security Premium as World Oil Markets Change,” National Energy Policy Institute Conference, Tulsa OK, March 2011.

“Nevada Economic Outlook,” Western Regional Science Association Meeting, Monterey California, February-March 2011.

“Natural Gas: A Bridge to a Low-Carbon Future?” (with Alan J. Krupnick and Margaret A. Walls), World Congress of Environmental and Resource Economists,” Montreal, QC, Canada, June-July 2010.

“Energy Prices and Aggregate Economic Activity,” EIA-SAIS 2010 Energy Conference, Washington DC, April 6, 2010.

“Reassessing the Oil Security Premium” (with Hillard G. Huntington), Allied Social Science Associations annual meeting, Atlanta, GA, January 2010.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Oil Price Shocks and U.S. Economic Activity: An International Perspective,” (with Nathan S. Balke and Mine K. Yücel), International Workshop on Empirical Methods in Energy Economics, Jasper, Alberta, Canada, August 2009.

“Reducing U.S. Vulnerability to Oil Supply Disruptions,” (with Hillard G. Huntington), Resources for the Future meeting on Toward a New National Energy Policy: Assessing the Options, Washington, DC, March 2009.

“Market Arbitrage: European and North American Natural Gas Prices” (with Mine K. Yücel), U.S. Association for Energy Economics annual meeting, New Orleans, LA, December 2008.

“An International Perspective on Oil Price Shocks and U.S. Economic Activity” (with Nathan S. Balke and Mine K. Yücel), International Association for Energy Economics annual meeting, Istanbul, Turkey, June 2008.

“Globalization, Oil Price Shocks and U.S. Economic Activity,” U.S. Energy Information Administration 30<sup>th</sup> Annual Energy Conference, Washington, DC, April 2008.

“Globalization, Oil Price Shocks and U.S. Economic Activity” (with Nathan S. Balke and Mine K. Yücel), Allied Social Science Associations annual meeting, New Orleans, LA, January 2008.

“Globalization and Oil Prices: Demand versus Supply Shocks” (with Mine K. Yücel), U.S. Association for Energy Economics annual meeting, Houston, TX, September 2007.

“Deliverability and Regional Pricing in U.S. Natural Gas Markets” (with Mine K. Yücel), *Contemporary Economic Policy* Session, Western Economic Association annual meeting, July 2007.

Panelist, Roundtable discussion on Energy Prices and Economic Activity, *Contemporary Economic Policy* Session, Western Economic Association Annual Meeting, July 2007.

“What Drives Natural Gas Prices?” (with Mine K. Yücel), U.S. Association for Energy Economics annual meeting, Ann Arbor, MI, September 2006.

“North American Natural Gas Markets,” International Conference on Natural Gas Markets, Rio de Janeiro, August 2006.

“State and Local Policy and the Growth of High-Tech Manufacturing” (with Jeffry Jacob), Southern Economic Association Annual Meeting, Washington, DC, November 2005.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Energy Prices and Aggregate Economic Activity: A Changing Relationship?” (with Dong Fu and Mine K. Yücel), Western Economic Association Annual Meeting, San Francisco, CA, July 2005.

“State and Local Policy and the Growth of High-Tech Manufacturing” (with Jeffry Jacob), Western Economic Association Annual Meeting, San Francisco, CA, July 2005.

“Oil and the U.S. Macroeconomy,” Western Economic Association Annual Meeting, Vancouver, BC, July 2004.

“World Energy Consumption and Demand Projections” (with Hillard G. Huntington), Energy Modeling Forum Workshop on World Natural Gas Markets and Trade, Stanford University, January 2004.

“State and Local Policy and Multi-Sectoral Regional Growth,” *Contemporary Economic Policy* Session, Western Economic Association Annual Meeting, Denver, CO, July 2003.

“Have Oil and Natural Gas Prices Decoupled?” (with Mine K. Yücel), meeting of Energy Modeling Forum 20, *Fuel Diversity, Natural Gas and North American Energy Markets*, University of Maryland, July 1, 2003.

“Natural Gas and Electric Power Prices: Which Came First the Chicken or the Egg?” (with Mine K. Yücel), meeting of Energy Modeling Forum 20, *Fuel Diversity, Natural Gas and North American Energy Markets*, Stanford University, January 30, 2003.

“Natural Gas and Electric Power Prices: Which Came First the Chicken or the Egg?” (with Mine K. Yücel), United States Association for Energy Economics, Annual Conference, Vancouver, BC, October 2002.

“The Growth of State and Local Government: Has More Become Bad?” (with Lori L. Taylor), *Contemporary Economic Policy* Session, Western Economic Association Annual Meeting, Seattle, WA, July 2002.

“Natural Gas and Electric Power Prices” (with Mine K. Yücel), meeting of Energy Modeling Forum 20, *Fuel Diversity, Natural Gas and North American Energy Markets*, Washington, DC, June 24, 2002.

“State and Local Policy and Regional Economic Growth: Less Government Is Better” (with Lori L. Taylor), The Association of Private Enterprise Education, Cancun, Mexico, April 2002.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Energy Prices and Aggregate Economic Activity: An Interpretive Survey” (with Mine K. Yücel), *Contemporary Economic Policy* Session, Western Economic Association Annual Meeting, San Francisco, CA, July 2001.

“Oil Prices and Aggregate Economic Behavior: Evidence from Eight OECD Countries” (with Mine K. Yücel), *Contemporary Economic Policy* Session, Western Economic Association Annual Vancouver, British Columbia, June/July 2000.

“Oil Prices and Aggregate Economic Behavior: Evidence from Eight OECD Countries” (with Mine K. Yücel), Southern Economic Association Annual Meeting, New Orleans, LA, November 1999.

“State and Local Policy, Factor Markets and Regional Growth” (with Kathy J. Hayes and Lori L. Taylor), Federal Reserve System Committee on Regional Analysis, Minneapolis, MN, October 1999.

“State and Local Policy, Factor Markets and Regional Growth” (with Kathy J. Hayes and Lori L. Taylor), 53rd Fall Conference, Association of University Business and Economic Research, Little Rock, AR, October 1999.

“Can the Economic Cost of Meeting the Kyoto Targets Be Small for the Industrialized Countries?” United States Association for Energy Economics, Annual Conference, Orlando, FL, August 1999.

“Oil Price Shocks and the Macroeconomy: Where Does the Asymmetry Originate?” (with Nathan S. Balke and Mine K. Yücel), Allied Social Science Meetings, New York, NY, January 1999.

“Terms of Trade, CO<sub>2</sub> Emissions and Strategies for Energy Conservation,” (with Hillard G. Huntington); Southern Economic Association Annual Meeting, Baltimore, MD, November 1998.

“State and Local Policy, Factor Markets and Regional Growth” (with Kathy J. Hayes and Lori L. Taylor), Southern Economic Association Annual Meeting, Baltimore, MD, November 1998.

“Global Warming Policy: Some Economic Implications,” 52nd Fall Conference, Association for University Business and Economic Research, Portland, ME, October 1998.

“Terms of Trade, CO<sub>2</sub> Emissions and Strategies for Energy Conservation” (with Hillard G. Huntington), *Contemporary Economic Policy* session, Western Economic Association Annual Conference, Lake Tahoe, NV, July 1998.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Oil Price Shocks and the Macroeconomy: An Asymmetric Relationship?” (with Nathan S. Balke and Mine K. Yücel), International Association for Energy Economics, Annual Conference, Quebec, Canada, May 1998.

“Terms of Trade, CO<sub>2</sub> Emissions and Strategies for Energy Conservation” (with Hillard G. Huntington), International Association for Energy Economics, Annual Conference, Quebec, Canada, May 1998.

“Global Energy Conservation and Reduced CO<sub>2</sub> Emissions” (with Hillard G. Huntington), U.S. Association for Energy Economics, North American Conference, San Francisco, CA, September 1997.

“Crude Oil and Gasoline Prices: An Asymmetric Relationship?” (with Nathan S. Balke and Mine K. Yücel), *Contemporary Economic Policy* session, Western Economic Association Annual Conference, Seattle, Washington, July 1997.

“Global Energy Conservation and Reduced CO<sub>2</sub> Emissions” (with Hillard G. Huntington), International Energy Workshop, Laxenburg, Austria, June 1997.

“Gasoline Prices: Parity or Parody?” (with Mine Yücel), U.S. Association for Energy Economics, North American Conference, Boston, MA, October 1996.

“Some Implications of Increased Cooperation in World Oil Conservation” (with Hillard G. Huntington), U.S. Association for Energy Economics, North American Conference, Boston, MA, October 1996.

“The Effect of State and Local Government on Factor Markets” (with Kathy J. Hayes and Lori L. Taylor), *Contemporary Economic Policy* session, Western Economic Association Annual Conference, San Francisco, CA, June/July 1996.

“Energy Prices and Economic Activity in the OECD” (with David B. Oppedahl and Mine K. Yücel), Federal Reserve System Meeting on Macroeconomics, Dallas, TX, October 1996.

“Energy Prices and Economic Activity in the OECD” (with David B. Oppedahl and Mine K. Yücel), International Forecasting Symposium, Istanbul, Turkey, June 1996.

“Energy Prices and Economic Activity in the OECD” (with David B. Oppedahl and Mine K. Yücel), Allied Social Sciences Meeting, San Francisco, CA, January 1996.

“Energy Prices and Economic Activity in the OECD” (with David B. Oppedahl and Mine K. Yücel), Southern Economic Association Meeting, New Orleans, LA, November 1995.



## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Energy Prices and Economic Activity in the OECD” (with David B. Oppedahl and Mine K. Yücel), International Association for Energy Economics, International Conference, Washington, DC, July 1995.

“On the Political Economy of Inflation” (with D'Ann M. Petersen and Lori L. Taylor), *Contemporary Economic Policy* session, Western Economic Association Annual Conference, San Diego, CA, July 1995.

“LDC Cooperation in World Oil Conservation” (with Hillard G. Huntington), Texas A&M Conference on Energy Use and Sustainable Growth, College Station, TX, November 1994.

“Oil Prices and Inflation” (with David B. Oppedahl and Mine K. Yücel), Southern Economic Association Conference, Orlando, FL, November 1994.

“Energy Prices and State Economic Performance” (with Mine K. Yücel), Annual North American Conference, U. S. Association for Energy Economics, Dallas, TX, November 1994.

“Oil Prices and Inflation” (with David B. Oppedahl and Mine K. Yücel), Meeting of the Federal Reserve System Committee on Business Analysis, Baltimore, MD, October 1994.

“Energy Prices and State Economic Performance” (with Mine K. Yücel), Meeting of the Federal Reserve System Committee on Regional Analysis, Baltimore, MD, October 1994.

“Intellectual Property Protection When Inventors Don't Do It for the Money” (with William C. Gruben), Latin American Meeting of the Econometric Society, Caracas, Venezuela, August 1994.

“Energy Conservation Policies” (with Hillard G. Huntington), TIMS International Conference, Anchorage, AK, June 1994.

“Oil Price Expectations and U.S. Oil Conservation” (with Kelly Whealan), International Association for Energy Economics, North American Meeting, Seattle, WA, October 1993.

“The Economic Cost of Oil Conservation: A Multi-Model Approach” (with Hillard G. Huntington), *Contemporary Policy Issues* session, Western Economic Association Annual Conference, Lake Tahoe, NV, June 1993.

“The Pricing of Natural Gas in U.S. Markets” (with Mine K. Yücel), *Contemporary Policy Issues* session, Western Economic Association Annual Conference, San Francisco, CA, July 1992.

## PAPERS AT PROFESSIONAL MEETINGS (continued):

“Oil Price Expectations and U.S. Oil Demand” (with Kelly Whealan), Federal Reserve Conference on Energy, Denver, CO, September 1991.

“Oil Price Expectations and U.S. Oil Demand” (with Kelly Whealan), *Contemporary Policy Issues* session, Western Economic Association Annual Conference, Seattle, WA, July 1991.

“Oil Price Expectations and U.S. Oil Demand” (with Kelly Whealan), International Energy Workshop, Laxenburg, Austria, June 1991.

“Oil Demand and Energy Conservation,” *Contemporary Policy Issues* session, Western Economic Association Annual Conference, Lake Tahoe, NV, June 1989.

“Oil Demand and Prices in the 1990s” (with Keith R. Phillips), Southern Economic Association Conference, San Antonio, TX, November 1988.

“Lower Oil Prices and State Employment” (with John K. Hill), *Contemporary Policy Issues* session, Western Economic Association Annual Conference, Vancouver, British Columbia, July 1987.

“A Welfare Analysis of Some Recent Proposals to Change Natural Gas Regulation,” Federal Reserve System Conference on World Energy Markets, Denver, CO, September 1986.

“A Welfare Analysis of Some Recent Proposals to Change Natural Gas Regulation,” *Contemporary Policy Issues* session, Western Economic Association Annual Conference, San Francisco, CA, July 1986.

“Natural Gas Pipelines: Rent Revealed,” North American Meeting of the International Association of Energy Economists, San Francisco, CA, November 1984.

“The Value of the Dollar and World Oil Demand,” Federal Reserve System Conference on Energy Economics, Dallas, TX, May 1984.

“The Impact of Market Imperfections on Consumer Choice of Energy- Using Consumer Durables,” Eastern Economic Association, Philadelphia, PA, April 1981.

“The Impact of Energy and Environmental Legislation on Industry: Problems of Regulatory Cost Assessment” (with Peter Meier), 89<sup>th</sup> National Meeting of the American Institute of Chemical Engineers, Portland, OR, August 1980.

“Discounting and a Simple Majority Rule on Intergenerational Income Distribution,” Public Choice Society, Charleston, SC, March 1979.

## SEMINARS AT UNIVERSITIES AND RESEARCH INSTITUTIONS:

“The Security Costs of U.S. Oil Consumption,” Center for Risk and Economic Analysis of Terrorism Events, Sol Price School of Public Policy, Department of Economics and Viterbi School of Engineering at the University of Southern California, February 13, 2017.

“Oil Price Shocks: Causes and Consequences,” School of Economics, Georgia Institute of Technology, Atlanta, Georgia, February 20, 2013.

“Assessing the U.S. Oil Security Premium,” seminar, Economics Department, University of Nevada, Reno, December 2, 2011.

“Oil Price Shocks and U.S. Economic Activity: An International Perspective,” Department of Economics, University of Nevada, Las Vegas, July 18, 2010.

“Abundant Shale Gas Resources: Some Implications for U.S. Climate Policy,” Rutgers University, New Brunswick, NJ, April 28, 2010.

“Abundant Natural Gas: Some Implications for Climate Policy,” First Wednesday, Resources for the Future, Washington, DC, April 7, 2010.

“An International Perspective on Oil Price Shocks and U.S. Economic Activity,” RAND Corporation, December 12, 2008.

“Energy Prices and the U.S. Economy,” Tulane University, November 5, 2008.

“An International Perspective on Oil Price Shocks and U.S. Economic Activity,” Resources for the Future, October 7, 2008.

“An International Perspective on Oil Price Shocks and U.S. Economic Activity,” Trinity University, October 1, 2008.

“Government Power and Organization,” Trinity University, October 1, 2008.

“Crude Awakening: Behind the Surge in Oil Prices,” Tulane University September 15, 2008.

“Globalization, Oil Price Shocks and U.S. Economic Activity,” Economics Department, George Washington University, Washington, DC, April 9, 2008.

“What Drives Natural Gas Prices?” Critical Issues in Energy (Dallas Fed Conference for University Faculty), Dallas, TX, November 2006.

SEMINARS AT UNIVERSITIES AND RESEARCH INSTITUTIONS (continued):

“Government Organization and Power,” The University of the South, Sewanee, TN, April 2006.

“Energy Prices and the U.S. Economy,” The University of the South, Sewanee, TN, April 2006.

“Energy Prices and Economic Activity: A Changing Relationship” (with Evan F. Koenig), Federal Reserve Bank of Dallas, August 2005.

“Research in Energy Economics at the Federal Reserve Bank of Dallas, Resources for the Future, Washington, DC, December 1, 2004.

“Government Organization and Power,” Department of Economics, University of Nevada, Las Vegas, March 23, 2001.

“Current Issues in Monetary Policy,” California Polytechnic State University, San Luis Obispo, California, November 3, 1999.

“Oil Prices and Economic Activity in the OECD,” American Petroleum Institute, Washington, DC, May 10, 1996.

“Oil Prices and Economic Activity,” Public Policy Institute of California, San Francisco, March 15, 1996.

“Analysis of Tax Credit Incentives for Business Investment in Energy Conservation and Production,” College of Business Administration, University of Texas, Austin, TX, December 1981

OTHER PRESENTATIONS:

Panelist, Economics of Climate Change, *Global Climate Change Forum*, University of Nevada, Reno, September 23, 2017.

“Economic Outlook,” Wage Watch, Las Vegas, NV, March 19, 2015.

“Economic Outlook,” SNAPPE, Las Vegas, NV, February 5, 2015.

“Economic Outlook,” Las Vegas Chapter of Financial Executives International, Las Vegas, NV, January 15, 2015.

“Economic Outlook,” SNAPPE, Las Vegas, NV, February 6, 2014.

OTHER PRESENTATIONS (continued):

“U.S. Economic Outlook,” Itron Energy Forecasting Meeting, Las Vegas, NV, April 17, 2013.

“Economic Outlook,” NV Energy, Las Vegas, NV, April 14, 2013.

“Economic Outlook,” Wage Watch, Las Vegas, NV, March 14, 2013.

“Economic Outlook,” SNAPPE, Las Vegas, NV, February 7, 2013.

“Economic Outlook,” Las Vegas Auto Dealers, Las Vegas, NV, December 12, 2012.

“Economic Outlook,” Rotary Club,” Las Vegas, NV, October 1, 2012.

“2013: Fiscal Cliff or Gentle Slope?” CFA Society of Nevada, Las Vegas, NV, June 5, 2012.

“Making Sense of Natural Gas Prices: The Implications of More Abundant Shale Gas Resources,” NV Energy Brown Bag Lunch, Las Vegas, NV, May 8, 2012.

“Making Sense of Natural Gas Prices: The Implications of More Abundant Shale Gas Resources,” Tulsa Conference of Accountants, Tulsa, OK, April 25, 2012.

“The Southern Nevada Economic Recovery and Housing Crisis,” meeting sponsored by American Action Forum, Las Vegas, NV, April 4, 2012.

“U.S. and Southern Nevada Economic Outlook,” meeting sponsored by Wage Watch, Las Vegas, NV, March 28, 2012.

“U.S. and Southern Nevada Economic Outlook,” Arab American League, Las Vegas, NV, March 28, 2012.

“Economic Outlook,” NorthMarq, Las Vegas, NV, March 19, 2012.

“U.S. Economic Outlook,” ReFocus 2012, Meeting sponsored by American Council of Life Insurers and Society of Actuaries, Las Vegas, NV, March 7, 2012.

“Southern Nevada Economic Outlook,” Board Trustees, Cement Masons and Plasterers, Las Vegas, NV, February 1, 2012.

“Economic Update,” Risk Management Association, Las Vegas, NV, January 18, 2012.

“U.S. Economic Outlook,” Power-Gen International Conference, Las Vegas, NV, December 15, 2011.

OTHER PRESENTATIONS (continued):

“Some Implications of Abundant Shale Gas Resources,” Osher Lifelong Learning Institute, University of Nevada, Las Vegas, Las Vegas, NV, September 26, 2011.

“Energy Independence: Mostly an Economics Perspective,” Alexander Dawson Center, Las Vegas, NV, July 22, 2011.

“Needs Assessment for United Way of Southern Nevada Financial Stability Partnership,” Financial Stability Council, United Way of Southern Nevada, Las Vegas, NV, May 26, 2011.

“Abundant Shale Gas Resources: Implications for U.S. Energy Markets,” NV Energy Brown Bag Lunch, May 4, 2011.

“2011 Economic Overview,” Southern Nevada Association of Population Projectors and Estimators, Las Vegas, NV, April 14, 2011.

“2011 Economic Outlook for Southern Nevada,” Chartered Financial Analysts, Las Vegas, NV, February 24, 2011.

“2011 Economic Outlook for Small Business,” National Sporting Goods Association, Las Vegas, NV, January 18, 2011.

Panel member, Roundtable on Sustainability, University of Nevada Las Vegas Hotel College, Las Vegas, NV, November, 19, 2010

“Energy Independence: Mostly an Economics Perspective,” Soap Box, University of Nevada, Las Vegas Continuing Education, Las Vegas, NV, November 16 and November 18, 2010.

“Economic Overview,” Dennis Smith Real Estate Conference, October 14, 2010.

“Economic Outlook Update,” Sponsor Seminar, Center for Business and Economic Research, University of Nevada, Las Vegas, September 28, 2010.

“Abundant Shale Gas Resources: Implications for Natural Gas Price Stability,” (with Alan J. Krupnick) National Center for Energy Policy, Washington, DC, May 20, 2010.

“Abundant Natural Gas: Some Implications for Electric Power,” NCAC-CSIS Conference on Natural Gas, Washington, DC, March 9, 2010.

“Oil and Natural Gas: Where Do We Go from Here?” Natural Gas Compressor Association, Lakeway, TX, October 22, 2009.

OTHER PRESENTATIONS (continued):

“Oil and Natural Gas: Where Do We Go from Here?” Tulane University, September 22, 2009.

“Economic Update: Energy Prices and the U.S. Economy,” Natural Gas Compressor Association, Austin, TX, October 28, 2008.

“Energy Prices and U.S. Economic Activity,” University of Chicago Graduate School of Business, August 9, 2008.

“Energy Pricing and Policy,” Management Advisory Team, Federal Reserve Bank of Dallas, Dallas, TX, April 29, 2008.

“Energy Prices and U.S. Economic Activity,” Smith-Barney, Citicorp, Dallas, TX, March 12, 2008.

“Energy Prices and U.S. Economic Activity,” Centenary College Business School Colloquium, Shreveport, LA, March 4, 2008.

“Energy Prices and U.S. Economic Activity,” Centenary College MBA Breakfast, Shreveport, LA, March 4, 2008.

“Energy Prices and U.S. Economic Activity,” San Antonio Business and Economics Society, San Antonio, TX, February 22, 2008.

“Energy Prices and U.S. Economic Activity,” TCC-NW Energy Conference, Fort Worth, TX, February 19, 2008.

“Energy Prices and U.S. Economic Activity,” North Texas Association of Energy Engineers Annual Conference, Dallas, TX, February 11, 2008.

“Energy Prices and U.S. Economic Activity,” Society of Petroleum Engineers, Dallas, TX, February 8, 2008.

“Energy Prices and U.S. Economic Activity,” National Business Economist Issues Council, Dallas, TX, February 5, 2008.

“Energy Prices and the U.S. Economy,” Manufacturers Alliance/MAPI, Dallas, TX, November 13, 2007.

“Energy Prices and the U.S. Economy,” Smith Barney, CitiGroup, Dallas, TX, May 1, 2007.

OTHER PRESENTATIONS (continued):

“Energy Prices and the U.S. Economy,” Manufacturer’s Alliance/MAPI, Dallas, TX, April 26, 2007.

“What’s Driving Oil and Natural Gas Prices?” Conference of Accountants, University of Tulsa, Tulsa, OK, April 24, 2007.

“Energy Prices and Economic Activity,” Independent Petroleum Association of America, Dallas, TX, April 5, 2007.

“Energy Prices and Economic Activity,” Young Professionals in Energy, Dallas, TX, March 29, 2007.

“Dynamics of Energy Prices,” American Chemistry Council, Houston, TX, March 20, 2007.

“Fueling the Future: Critical Issues in Energy,” Evening at the Fed: Dinner and Discussion for High School Teachers, Dallas, February 1, 2007.

“Energy and the Economy,” University of Nevada, Las Vegas CBER Economic Outlook Conference, Henderson, NV, December 2006

“Fueling the Future: Critical Issues in Energy,” Evening at the Fed: Dinner and Discussion for High School Teachers, El Paso, December 7, 2006.

“Fueling the Future: The Impact of Energy Markets on the Economy,” National Association of Energy Service Companies, Dallas, TX, November 2006.

“Oil and the Economy,” Society of International Business Fellows, Dallas, TX, October 2006.

“Energy Prices and U.S. Economic Activity,” Natural Gas Compression Association, Fort Worth, TX, October 2006.

“Energy Prices and U.S. Economic Activity,” Centenary College EMBA Breakfast Speakers Forum, Shreveport, LA, October 2006.

“Energy Prices and U.S. Economic Activity,” North Texas Association of Energy Engineers, Dallas, TX, September 2006

“Energy Prices and Economic Activity,” San Antonio Branch Board of Directors, August 2006.



OTHER PRESENTATIONS (continued):

“Energy Prices and the U.S. Economy,” Kansas Independent Oil and Gas Association, Wichita, KS, August 2006.

“Fueling the Future: Critical Issues in Energy,” Evening at the Fed: Dinner and Discussion for High School Teachers, El Paso, December 7, 2006.

“Energy Prices and U.S. Economic Activity,” Credit Agricole, Dallas, TX, June 2006.

“Energy Prices and the U.S. Economy,” Economic Summit 2006: Beyond Our Back Yard, Federal Reserve Bank of Dallas, June 2006.

“Energy Prices and the U.S. Economy,” Louisiana Planning Council, Baton Rouge, LA, May 2006.

“Energy Prices and the U.S. Economy,” Finance Forum, Dallas, TX, May 2006.

“Energy Prices and the U.S. Economy,” Shell Oil Company, Houston, TX, April 2006.

“Energy Prices and the U.S. Economy,” International Monetary Fund, Dallas, TX, February 2006.

“What Drives Natural Gas Prices,” Platt’s Annual Gas Storage Outlook Conference, Houston, TX, January 2006.

“Energy Prices and the Economy,” Gas Compressor Association Annual Meeting, Horseshoe Bay, TX, October 2005.

“Crude Oil Markets: An Overview,” Institute for Energy Economics and Policy, Dallas, TX, September 2005.

“Energy Prices and the Economy,” Conference on Interest Rates, Energy and the Fed, Federal Reserve Banks of Atlanta and Dallas, Shreveport, LA, July 2005.

“World Energy Markets and the Economy,” Economic Summit for Teachers of Advanced Placement Economics, Federal Reserve Bank of Dallas, June 2005.

“Energy Prices and the Economy,” CFO’s Quarterly Town Meeting, BNSF Railroad, Fort Worth, TX, May 2005.

“Energy Prices and the Economy,” Dallas Bar Association/Dallas Electric Club Joint Meeting, Dallas, TX, April 2005.

OTHER PRESENTATIONS (continued):

“Energy Prices and the Economy,” Global Energy Partnering Conference, Southern Methodist University, Dallas, TX, April 2005.

“Energy Prices and the Economy,” Institute for Energy Economics and Policy, Dallas, TX, March 2005.

“Energy Prices and the Economy,” Houston Chapter U. S. Association for Energy Economics, December 9, 2004.

“Energy Prices and the Economy,” Natural Gas Producers Association Midland, TX, November 18, 2004.

“Energy Prices and the Economy,” Evening at the Fed, Federal Reserve Bank of Dallas, San Antonio Branch, October 13, 2004.

“Energy Prices and the Economy,” Evening at the Fed, Federal Reserve Bank of Dallas, October 12, 2004.

“The Impact of Higher Energy Prices on the U.S. Economy,” Texas Alliance of Energy Producers, Dallas, September 21, 2004

“Energy Prices and the Economy,” Meeting of the Board of Directors of the El Paso Branch of the Federal Reserve Bank of Dallas, July 2004.

“Looking Forward: Energy Markets and the Economy,” Economic Summit for Teachers of Advanced Placement Economics, Federal Reserve Bank of Dallas, June 2004.

“Energy and the Texas Economy,” Meeting of Council of Governments, Arlington, TX, September 25, 2003.

“Natural Gas Markets in Turmoil,” *Natural Gas Week* Conference, Houston, TX, September 24, 2003.

“Government Organization and Power,” Conference for Teachers of Advanced Placement Economics, Federal Reserve Bank of Dallas, June 2003.

“Issues in Globalization,” Conference for Teachers of Advanced Placement Economics, Federal Reserve Bank of Dallas, June 2002.

“When Did More Government Become Bad?” Conference for Teachers of Advanced Placement Economics, Federal Reserve Bank of Dallas, June 2002.

## OTHER PRESENTATIONS (continued):

“State and Local Policy and Regional Economic Growth,” Conference on Trade, Growth and the New Economy, Federal Reserve Bank of Dallas, November 1-2, 2001.

“Issues in Globalization,” Conference on Trade, Growth and the New Economy,” Federal Reserve Bank of Dallas, November 1-2, 2001.

“Natural Resource Scarcity and Technological Change,” Conference on the New Economy, Federal Reserve Bank of Dallas, November 2-3, 2000.

“Oil Prices and the New Economy,” Conference on the New Economy, Federal Reserve Bank of Dallas, November 2-3, 2000.

“Role of Energy in the U.S. and World Economies,” *Oil and Gas Education Initiative*, Maguire Oil and Gas Institute, Southern Methodist University, July 14-16, 1997.

“The World Energy Market,” Economic Education Seminar, Federal Reserve Bank of Dallas, June 1990.

## OTHER PROFESSIONAL ACTIVITIES:

Attended IAEE meeting in Groningen, Netherlands, June 10-13, 2018.

Organizer and Chair, Session on Oil Supply Disruptions, U.S. Economic Activity and Oil Security Western Economic Association Meeting, San Diego, CA, June 25-29, 2017.

Participant, Energy Modeling Forum 31, North American Natural Gas and Energy Markets in Transition, Stanford University, 2013-2015.

Organizer, session on Western States Economic Outlook, Western Economic Association Meeting, June/July 2015.

Organizer and Chair, session on Western States Economic Outlook, Western Economic Association Meeting, June/July 2014.

Organizer and Chair, sessions on Western States Economic Outlook, Western Economic Association Meeting, June/July 2013.

Participant, Energy Modeling Forum 26, *Changing the Game? Emissions and Market Implications of New Natural Gas Supplies*, Stanford University, 2011-13.

Organizer and Chair, session on Western States Economic Outlook, Western Economic Association Meeting, June/July 2012.

## OTHER PROFESSIONAL ACTIVITIES (continued):

Participant, National Petroleum Council Study on North American Natural Gas and Oil Resources, 2010-2011.

Organizer and Chair, session on Western States Economic Outlook, Western Economic Association Meeting, June/July 2011.

Co-Investigator, Energy Modeling Forum study on World Oil Price Drivers and Movements, Stanford University, 2010-11.

Participant, Energy Modeling Forum 25, *Energy Demand and Efficiency in a Growing Economy*, Stanford University, 2008-2010.

Participant, Energy Modeling Forum 23, *World Natural Gas Markets and Trade*, Stanford University, 2004-2007.

Organizer, Contemporary Economic Policy Session on Energy Markets, Prices and Policies, Western Economic Association, Seattle, WA, July 2007.

Organizer, Contemporary Economic Policy Session on Energy Prices and Economic Activity, Western Economic Association, Seattle, WA, July 2007.

Chaired roundtable discussions on natural gas markets at U.S. Association for Energy Economics annual meeting, Ann Arbor, MI, September 2006.

Organizer, Contemporary Economic Policy Session on Energy Prices and Economic Activity, Western Economic Association, San Diego, CA, July 2006.

Participant, National Research Council study on peak oil, April 2006.

Discussant, paper on oil, war risk and stock market performance, American Economic Association Meeting, Boston, MA January 2006.

Chair, session on Micro Analyses of U.S. Electricity Markets, U.S. Association for Energy Economics, Denver, CO, September 2005

Organizer and Chair, session on Energy Prices and Economic Activity, *Contemporary Economic Policy* session, Western Economic Association Meeting, July 2005.

Organizer and Chair, session on Government Policy and Regional Economic Growth, *Contemporary Economic Policy* session, Western Economic Association Meeting, July 2005.

## OTHER PROFESSIONAL ACTIVITIES (continued):

Participant, Energy Modeling Forum Meeting on Macroeconomic Impacts of Oil Price Shocks, Arlington, VA, February 2005.

Energy Modeling Forum 20, *Fuel Diversity, Natural Gas and North American Energy Markets*, Stanford University, 2002-3.

Organizer and Chair, session on Government Policy and Regional Economic Growth, *Contemporary Economic Policy* session, Western Economic Association Meeting, July 2003.

Discussant, paper on Economic Impact of the Yucca Mountain Nuclear Waste Repository, *Contemporary Economic Policy* session, Western Economic Association Meeting, July 2003.

Organizer and Chair, session on Government Policy and Regional Economic Growth, *Contemporary Economic Policy* session, Western Economic Association Meeting, June/July 2002.

Discussant, paper on Regional Innovative Capacity with Endogenous Employment, *Contemporary Economic Policy* session, Western Economic Association Meeting, June/July 2002.

Discussant, paper on Market Efficiency, Competitors and Information in Power Markets, *Contemporary Economic Policy* session, Western Economic Association Meeting, June/July 2002.

Organizer and Chair, session on Energy Prices and Economic Activity, *Contemporary Economic Policy* session, Western Economic Association Meeting, July 2001.

Chair, session on Energy Prices and Economic Activity, International Association for Energy Economics, Annual Conference, Houston, Texas, April 2001.

Organizer and Chair, session on Energy Prices and Macroeconomic Activity, *Contemporary Economic Policy* session, Western Economic Association Meeting, June-July 2000.

Organizer, session on Energy Price Shocks and Macroeconomic Activity, Southern Economic Association Meeting, November 1999.

Discussant, session on Electricity Deregulation, Western Economic Association Annual Conference, July 1999.

## OTHER PROFESSIONAL ACTIVITIES (continued):

Organizer and Chair, session on Issues in State and Local Public Finance, Southern Economic Association Meeting, November 1998.

Organizer and Chair, session on Issues in Energy and the Environment, Southern Economic Association Meeting, November 1998.

Organizer and Chair, *Contemporary Economic Policy* session on Energy Markets and Energy Policy, Western Economic Association Annual Conference, June/July 1998.

Discussant, session on Economic Shocks, Western Economic Association Annual Conference, June/July 1998.

Organizer and Chair, *Contemporary Economic Policy* session on Energy Markets and Energy Policy, Western Economic Association Annual Conference, July 1997.

Energy Modeling Forum study on energy security, Stanford University, 1994-96.

Organizer, Chair and discussant, *Contemporary Economic Policy* session on Energy Markets and Energy Policy, Western Economic Association Annual Conference, June/July 1996.

Program Committee, 18th International Conference, International Association for Energy Economics, July 1995.

Chair and discussant, *Contemporary Economic Policy* session on Federal Policy and Regional Economic Performance, Western Economic Association Annual Conference, June/July 1996.

Organizer and Chair, *Contemporary Economic Policy* session on the Political Economy of Government Action, Western Economic Association Annual Conference, July 1995.

Discussant, *Contemporary Economic Policy* session on Natural Gas, Western Economic Association Annual Conference, July 1995.

Discussant, *Contemporary Economic Policy* session on the Economics of Education, Western Economic Association Annual Conference, July 1995.

Energy Modeling Forum 13, *Energy Conservation*, Stanford University, March 1994.

Organizer and Chair, *Contemporary Policy Issues* session on Energy Prices and Policies, Western Economic Association Annual Conference, June 1993.

## OTHER PROFESSIONAL ACTIVITIES (continued):

Organizer and Chair, *Contemporary Policy Issues* session on Political Economy of Natural Gas Distribution, Western Economic Association Annual Conference, June 1993.

Discussant, paper on Issues in the Distribution of Natural Gas, *Contemporary Policy Issues* Session, Western Economic Association Annual Conference, June 1993.

Discussant, paper on Biases in Regional Growth Comparisons, meeting of the Federal Reserve System Committee on Regional Economics, October 1992.

Organizer and Chair, *Contemporary Policy Issues* session on Long-Term Issues in the Provision of Energy, Western Economic Association Annual Conference, July 1992.

Organizer and Chair, *Contemporary Policy Issues* session on Incentives for Government Performance, Western Economic Association Annual Conference, July 1992.

Discussant, *Economic Inquiry* Session on Economics of Potholes: Is Government Capital Underprovided? Western Economic Association Annual Conference, July 1992.

Organizer and Chair, *Contemporary Policy Issues* session on Energy Prices and Policies, Western Economic Association Annual Conference, July 1991.

Participating Modeler, Energy Modeling Forum 11, *International Oil Supplies and Demands*, Stanford University, 1989-90.

Participant, Leadership Dallas, Greater Dallas Chamber of Commerce, 1988.

Chair, session on the Public Choice of Campaigning, Southern Economic Association Conference, November 1988.

Discussant, session on State and Local Tax Policies, Southern Economic Association Conference, November 1988.

Panelist, Roundtable on Oil Price Outlook, Federal Reserve System Conference on World Energy Markets, September 1986.

Discussant, *Contemporary Policy Issues* session on FERC's Proposal for Block Billing, Western Economic Association Annual Conference, July 1986.

Organizer and Chair, *Contemporary Policy Issues* session on OPEC and World Oil Prices, Western Economic Association Annual Conference, July 1985.

Discussant, *Contemporary Policy Issues* session on Transition in the Natural Gas Industry, Western Economic Association Annual Conference, July 1985.

## OTHER PROFESSIONAL ACTIVITIES (continued):

Discussant, paper on estimation of production functions with unpriced inputs, meeting of the Federal Reserve System Committee on Regional Economics, October 1984.

## FUNDED RESEARCH:

National Science Foundation, Sloan Foundation and U.S. Department of Energy (through Resources for the Future), for an examination of the economic effects of oil price shocks, 2016-17.

Southern Nevada Regional Planning Coalition (through UNLV), for Southern Nevada population forecast, 2011-2015.

Annie E. Casey Foundation (through UNLV), for Nevada Kids Count, 2010-2015.

The Education Initiative (through UNLV), for an evaluation of a ballot initiative for Nevada education funding, 2014

State of Nevada (through UNLV), for an examination of the funding for roads and highways, 2012-13.

Southern Nevada Home Builders Association (through UNLV), for the economic impact of Nevada builder liability laws, 2012-13.

National Energy Policy Institute (through UNLV), for an examination of economic costs of U.S. dependence on foreign oil, 2012-13.

National Academy of Sciences (through UNLV), for an examination of selected energy taxes, 2012.

NV Energy (through UNLV), for evaluating the differential economic impact of using in-state vs. out-of-state construction crews, 2011.

Nevada System of Higher Education (through UNLV), for evaluating the economic impact of the Nevada System of Higher Education, 2010-2011.

Get Fresh Companies (through UNLV) for the economic impact of the Get Fresh Companies, 2011.

Private funding (through UNLV), for the economic impact of a state lottery in Nevada, 2010-2011.

United Way of Southern Nevada (through UNLV), for assessing the impact of various programs, 2010-2011.



## FUNDED RESEARCH (continued):

King Abdullah Petroleum Studies and Research Center (through Stanford University), for the analysis of oil price drivers and movements, 2010-11.

Pew Charitable Trusts (through Resources for the Future), for the examination of U.S. energy subsidies, 2010-11.

National Commission for Energy Policy (through Resources for the Future), for the examination of natural gas price movements, 2010.

Bertelsmann Foundation (through Resources for the Future), for the analysis of global megatrends in natural resources and energy, 2009-10.

National Energy Policy Institute (through Resources for the Future), for analysis of oil security premiums and implications of more abundant shale gas resources, 2009-2010.

S. D. Bechtel, Jr. Foundation (through Resources for the Future), for an examination of establishing a center for energy economics and policy at Resources for the Future, 2009-10.

U.S. Department of Energy (through Brookhaven National Laboratory), for the analysis of tax credit incentives for business investment in energy conservation and production, 1980-81.

## SELECTED MEDIA COVERAGE:

*Business Week, The Economist, The Financial Times, Fortune, Newsweek, The New York Times, Science, Time, USA Today, The Wall Street Journal, CNN Money.com, and various regional and trade publications; Marilyn vos Savant's book The Power of Logical Thinking; CNN's Financial Report, ABC's Financial World, the McNeil/Lehrer Newshour, Business News Network, National Public Radio's Morning Edition, Public Radio International's Market Place, Bloomberg Radio, CNBC, BBC's Breakfast, and the PBS series Man, Energy and the Environment, and various regional broadcasts.*

## PROFESSIONAL MEMBERSHIPS:

American Economic Association  
Western Economic Association  
Association of Environmental and Resource Economists  
International Association for Energy Economics  
U.S. Association for Energy Economics