

JAMIE BROWN KRUSE

EDUCATION

- 1988 *Ph.D. Economics*. University of Arizona, Tucson, AZ
Major Professor: Vernon Smith, 2002 Nobel Laureate
- 1983 *M.S. Agricultural Economics*. Colorado State University, Fort Collins, CO
- 1979 *B.S. with distinction Ag Honors*. University of Nebraska, Lincoln, NE

PROFESSIONAL EXPERIENCE

- Professor of Economics and
Director(founding) Center for Natural Hazards Research*
2004 -present East Carolina University Greenville, NC
- Board of Directors*
1994 -present Genoa National Bank Genoa, NE
- Chief Economist and Senior Advisor for the Social Sciences*
2010 National Oceanic and Atmospheric Administration Silver Spring, MD
- Director(founding) RENCI Center for Coastal Systems Informatics and Modeling*
2006-2008 East Carolina University Greenville, NC
- Fellow*
2005 -2006 FDIC Center for Financial Research Washington, DC
- Professor of Economics*
2001 -2004 Texas Tech University Lubbock, TX
- Visiting Professor*
2001 -2002 Swiss Federal Institute of Technology Zurich, Switzerland
- Associate Professor of Economics*
1996 -2001 Texas Tech University Lubbock, TX
- Assistant Professor of Economics*
1988 - 1996 University of Colorado Boulder, CO

PROFESSIONAL SERVICE

- Technical Review Panel, Mississippi-Alabama Sea Grant Consortium, 2011-2016.
- Program Review Panel, NOAA Northeast Fisheries Science Center, Social Sciences Branch, Woods Hole, MA, 2011.
- Workshop speaker and attendee, "The Role of Economics: Integrating Economics into the USGS Research Portfolio, USGS National Center, Reston, VA 2011
- Workshop attendee, "Creating a More Disaster Resilient America" (CaMRA), National Science Foundation, Arlington, VA 2011.
- Review Panel, National Science Foundation, Graduate Research Fellowship Program (Economics) 2011.
- Member, White House Office of Science and Technology Policy, Subcommittee on Social, Behavioral and Economic Science, 2010.
- Member, White House Office of Science and Technology Policy, Subcommittee on Ocean Science and Technology Policy, 2010.

Co-chair, White House Office of Science and Technology Policy, Subcommittee on Ocean Science and Technology Policy, Interagency Working Group on Ocean Social Science, 2010.
Member, National Oceanic and Atmospheric Administration, Research Council, 2010.
Co-Chair, National Oceanic and Atmospheric Administration, Research Council Social Science Committee, 2010.
Co-Chair, National Oceanic and Atmospheric Administration, Research Council Ad Hoc Committee on Scientific Integrity, 2010.
Lead, Social Science Theme, NOAA Deepwater Horizon Science Team, 2010.
Member, White House Deepwater Horizon Oil Spill National Incident Command, Economic Solution Team, 2010.
Member, organizing committee, Deepwater Horizon Oil Spill Principal Investigator's Conference, sponsored by OSTP Subcommittee on Ocean Science and Technology Policy, St. Petersburg, FL, October, 2010.
Review Panel, National Science Foundation, Integrated Graduate Education and Research Training Program, 2010.
Hurricane Floyd Symposium, Public Forum and Research Conference Commemorating the 10th anniversary of Hurricane Floyd, September 17-18, 2009, Greenville, NC.
Review Panel, National Science Foundation, Engineering Research Centers Program, 2009.
Legislative Offshore Energy Exploration Research Study Committee, appointed by Joe Hackney, Speaker, North Carolina House of Representatives, 2009.
National Science Foundation, "Enabling the Next Generation of Hazards and Disasters Researchers," Faculty Mentor, 2008-2010.
Review Panel, National Science Foundation, Decision, Risk and Management Sciences Program, Directorate for Social, Behavioral and Economic Science, 2007-2008.
Workshop, National Science Foundation, "Toward a Natural Hazard Vulnerability and Resiliency Observatory." June 2008, College Station, TX.
Site Visit Team, Engineering Center of Excellence, National Science Foundation, Engineering Directorate, 2008.
Review Panel, National Science Foundation, Integrative Graduate Research and Education Traineeship Program (IGERT), 2005.
Steering Committee, Hazards and Disasters Researchers Meeting, Boulder, CO, 2006-2008.
Review Panel, National Science Foundation, Human and Social Dynamics, 2005.
Review Panel, National Science Foundation, Hazard Mitigation and Response, Directorate for Engineering, 2001.

AWARDS

East Carolina University 2011 Women on Distinction honoree.

EDITORIAL ACTIVITY

Guest Associate Editor, *Natural Hazards Review*, 2008-9.
Guest Editor, Hurricane Katrina Special Issue, *Journal of Business Valuation and Economic Loss Analysis*, 2009.
Guest Editor, *Hurricane Katrina Symposium, Southern Economic Journal*, October 2007.
Economics and Wind, B. T. Ewing and J.B. Kruse, eds., Nova Science Publishing, Inc., Hauppauge, New York, ISBN 1-59454-280-5, 2005.
Board of Editors, *International Journal of Information and Operations Management Education*, 2007-present.
Board of Editors, *Journal of Business Valuation and Economic Loss Analysis*, 2005-present.
Board of Editors, *Global Review of Business and Economic Research*, 2003-2008.

PUBLISHED ARTICLES

- “Weathering the Storm: Measuring Household Willingness-to-Pay for Risk-Reduction in Post-Katrina New Orleans” with O. Bin P. Hindsley, C. Landry, J. Whitehead, and K. Wilson. *Southern Economic Journal* 77(4), 991-1013, 2011.
- “Measuring the Regional Economic Response to Hurricane Katrina,” with Bradley Ewing and Mark Thompson. *CEISifo Forum*, 11(2), 80-85, 2010.
- “An Experimental Examination of Market Concentration and Capacity Effects on Price Competition,” with Bradley Ewing. *Journal of Business Valuation and Economic Loss Analysis*, 5, 2010, pp 1-16.
- “An Economic Analysis of Wind Resistant Construction,” with Dakshina DeSilva and Dan Sutter, *Journal of Wind Engineering and Industrial Aerodynamics*, 97, 2009, pp. 113-119.
- “Modeling the Time-Varying Volatility of the Paper-Bill Spread,” with B. Ewing, G. J. Lynch, and F. Malik. *Journal of Economics and Business* 61, 2009, pp 404-414.
- “An Overview of Hurricane Katrina and Economic Loss,” with B. Ewing and D. Sutter *Journal of Business Valuation and Economic Loss Analysis* 4(2) 2009, pp 1-12.
- “Twister! Employment Responses to the May 3, 1999 Oklahoma City Tornado,” with B. Ewing and M. Thompson. *Applied Economics* 41 (6) March 2009, pp 691-702.
- “A Multidisciplinary Plan for Executive Education and Lifelong Learning Programs in Wind Science and Engineering,” with B. Ewing and M. Thompson *International Journal of Continuing Education and Life-Long Learning* 19(1) 2009, pp 74-81.
- “Spatial Dependencies in Wind-Related Housing Damage,” with D. De-Silva and Y. Wang *Natural Hazards* 47, March 2008, pp 317-330.
- “Simulated and Real Buyers in Posted Offer Markets,” *Handbook of Experimental Results*, Vol. 1, 2008, Vernon L. Smith and Charles Plott, eds, North Holland/Elsevier Press, Amsterdam. ISBN 0-444-82642-8, pp. 71-76.
- “Transmission of Shocks Among Health Care Sector Index Returns,” with B. Ewing and M. Thompson *Applied Financial Economics Letters* 4, 2008, pp 71-75.
- “Analysis of Time-Varying Turbulence in Geographically Dispersed Wind Energy Markets,” with B. Ewing and M. Thompson. *Energy Sources, Part B: Economics, Planning and Policy* 2008, pp. 340-347.
- “Viewscapes and Flood Hazard: Coastal Housing Market Response to Amenities and Risk,” with O. Bin, T. Crawford and C. Landry *Land Economics* 84(3) 2008, pp.434-448.
- “Flood Hazards, Insurance Rates, and Amenities: Evidence from the Coastal Housing Market,” with O. Bin, and C. Landry *Journal of Risk and Insurance* 75(1), 2008, pp. 63-82.
- “Wind Hazard Risk Perception: an experimental test,” with B. Ewing and M. A. Thompson *Experimental Methods, Environmental Economics* Vol. 8, 2008, T. Cherry, S. Kroll and J. Shogren, eds., Routledge. ISBN 0-415-77072-6, pp. 395-406.
- “Valuing Human Organs: an application of contingent valuation,” with A. Altinanahhtar and S. Crooker *International Journal of Social Economics* 35(1/2), 2008 pp. 5-14.
- “Hurricanes and Economic Research: an introduction to the Hurricane Katrina Symposium,” with B. Ewing and D. Sutter *Southern Economic Journal* 74(2), October 2007 pp. 315-25.
- “The Prime Rate-Deposit Rate Spread and Macroeconomic Shocks,” with B. Ewing. *Advances in Quantitative Analysis of Finance and Accounting* Vol. 5, 2007, Cheng-Few Lee, ed. World Scientific Publishing, Hackensack, New Jersey, USA ISBN 978-981-270-628-7, pp 181-198.
- “Time Series Analysis of Wind Speed Using VAR and the Generalized Impulse Response Technique,” with B. Ewing, J. Schroeder and D. Smith. *Journal of Wind Engineering and Industrial Aerodynamics* (Journal of American Society of Civil Engineers) 95, 2007, pp 209-19.
- “Local Housing Price Index Analysis in Wind-Disaster-Prone Areas,” with B. Ewing and Y. Wang, *Natural Hazards* 40(2), Feb. 2007, pp 463-83.

- “Real Estate Market Response to Coastal Flood Hazards,” with O. Bin. *Natural Hazards Review* (Journal of American Society of Civil Engineers) 7(4), November 2006, pp.137-44.
- “Valuing Self Protection: Income and Certification Effects for Safe Rooms,” with B. Ewing. *Journal of Construction Management* 24(10), 2006, pp. 1057-68.
- “Insurer Stock Price Responses to Hurricane Floyd: an event study analysis using storm characteristics,” with B. Ewing and S. Hein. *Weather and Forecasting* (Journal of American Meteorological Society) 21(3) June 2006, pp 395-407.
- “Catastrophe Induced Destruction and Reconstruction,” with D. DeSilva and Y. Wang. *Natural Hazards Review* (Journal of American Society of Civil Engineers) 7(1), February 2006, pp.19-25.
- “Time Series Analysis of Wind Speed with Time-Varying Turbulence,” with B. Ewing and J. Schroeder, *Environmetrics* 17, March 2006, pp 119-27.
- “Transmission of Employment Shocks Before and After the Oklahoma City Tornado,” with B. Ewing and M. Thompson. *Environmental Hazards* 6(4), 2005, pp. 181-8.
- “An Empirical Examination of the Corpus Christi Unemployment Rate and Hurricane Bret,” with B. Ewing and M. Thompson. *Natural Hazard Review*, (Journal of the American Society of Civil Engineers) 6(4) November 2005, pp 191-196.
- “Market Forces and Price Ceilings: a classroom experiment,” with O. Ozdemir and M. Thompson, *International Review of Economics Education*, 4(2) 2005 pp73-86.
- “Comparing the impact of news: A tale of three health care sectors” with B. Ewing and M. Thompson, *Journal of Business Finance and Accounting*, 32(7&8), September/October 2005, pp 1587-611.
- “Analysis of Local Labor Market Responses to Tornadoes,” with B. Ewing and M. Thompson. *Economics and Wind*, B. T. Ewing and J. B. Kruse, eds. Nova Science Publishing, 2005, pp 25-34.
- “Fujita Scale and Dollar Losses: evidence from the May 1999 Oklahoma City Tornado,” with D. DeSilva and Y. Wang. *Economics and Wind*, B. T. Ewing and J. B. Kruse, eds. Nova Science Publishing, 2005, pp 13-24.
- “Risk Mitigation: individual and market behavior,” with K. Simmons. *Economics and Wind*, B. T. Ewing and J. B. Kruse, eds. Nova Science Publishing, 2005, pp 73-88.
- “Valuing Saferooms in Hurricane Prone Regions,” with J. Crooker. *Economics and Wind*, B.T. Ewing and J. B. Kruse, eds. Nova Science Publishing, 2005, pp 139-48.
- “Disaster Losses in the Developing World: evidence from the August 1999 earthquake in Turkey,” with B. Ewing and O. Ozdemir, *Economic Development – Issues and Policies*, N. Narayana, editor, Vol.2 pp 1017-1033, 2005, Serials Publications, New Delhi.
- “Employment Dynamics and the Nashville Tornado,” with B. Ewing and M. Thompson, *Journal of Regional Analysis and Policy* 34(2) 2004, pp. 47-60.
- “Forecasting the Volatility of Health Care Stocks,” with B. Ewing and M. Thompson. *Revista Brasileira de Economia de Empresas/Brazilian Journal of Business Research* 4(2) pp7-18, December 2004.
- “Money Demand and Risk: A Classroom Experiment,” with B. Ewing and M. Thompson. *Journal of Economic Education*, 35(3) pp 243-50, Summer 2004.
- “A Comparison of Employment Growth and Stability Before and After the Fort Worth Tornado,” with B. Ewing and M. Thompson, *Environmental Hazards* 5(3-4) pp 83-91, 2003.
- “Valuing Low Probability Risk: Survey and Experimental Evidence,” with M. A. Thompson, *Journal of Economic Behavior and Organization* Vol. 50, No. 4, pages 494-504, April 2003.
- “An Experimental Examination of Vertical Integration and Cost Predation,” with S. R. Elliott and R. Godby, *International Journal of Industrial Organization* Vol 21, No. 2, pages 253-81, February 2003.
- “The Impact of *Project Impact* on the Wilmington, NC Labor Market,” with B. Ewing, *Public Finance Review*, Vol. 30, No. 4, pages 296-309, July 2002.

- “Valuing Mitigation: Real Estate Market Response to Hurricane Loss Reduction Measures,” with K. Simmons and D. A. Smith. *Southern Economic Journal*, Vol. 68, No. 3, pages 660-71, January 2002.
- “A Comparison of Salient Rewards in Experiments: Money and Class Points,” with M. A. Thompson. *Economic Letters* Vol 74, pages 113-7, December 2001.
- “Rationing Supply Capacity Shocks: An Experimental Comparison of Practical Curtailment Mechanisms,” with S. Elliott, W. Schulze, and S. Ben-David, *Research in Experimental Economics*, Vol. 8, pages 153-83, R. Mark Isaac, ed. JAI Press Inc. Greenwich, CT, 2001.
- “Market Value of Mitigation and Perceived Risk: Empirical Results,” with K. Simmons, *Journal of Economics*, Vol. XXVI, No. 1, pages 41-52, 2000.
- “Location, Cooperation, and Communication: an experimental examination,” with D. J. Schenk, *International Journal of Industrial Organization*, Vol. 18, pages 59-80, January 2000.
- “An Experimental Analysis of Emission Permits with Banking and the Clean Air Act Amendments of 1990,” with M. B. Cronshaw, *Research in Experimental Economics*, Vol. 7, pages 1-24, R. Mark Isaac and Charles Holt, eds. JAI Press, Stamford, CT, 1999.
- “Temporal Properties of a Market for Emission Permits,” with M. B. Cronshaw, *Research in Experimental Economics*, Vol. 7, pages 181-203, R. Mark Isaac and Charles Holt, eds. JAI Press, Stamford, CT, 1999.
- “The Decline of the Royal African Company: An Application of a Dynamic Dominant Firm Model,” with A. Carlos, *Economic History Review*. XLIX Vol. 2, pages 295-317, March 1996.
- “Regulated Firms in Pollution Permit Markets with Banking,” with M. B. Cronshaw, *Journal of Regulatory Economics*. Vol. 9, pages 179-89, March 1996.
- “Bertrand-Edgeworth Competition in Experimental Markets,” with S. Rassenti, S. Reynolds and V. Smith, *Econometrica*. Vol. 62, No. 2, pages 343-71, March 1994.
- “Gender Effects in Laboratory Public Goods Contribution: Do individuals put their money where their mouth is?” with D. Hummels, *Journal of Economic Behavior and Organization*. Vol. 22, pages 255-67, December 1993.
- “Nash Equilibrium and Buyer Rationing Rules: An Experimental Analysis,” *Economic Inquiry*. Vol. XXI, pages 631-46, October 1993.
- “Theory and Experiments on Spatial Competition,” with M. Cronshaw and D. J. Schenk, *Economic Inquiry*, Vol. XXXI, pages 139-65, January 1993.
- “Contestability in the presence of an alternate market: an experimental examination,” *RAND Journal of Economics*, Vol. 22, No. 1, pages 136-47, Spring 1991.

ARTICLES, INDUSTRY-BASED PERIODICALS, QUOTES

- Quoted in “Reconstruction Lifts Economy After Disasters” by Michael Cooper, *New York Times*, page 1, May 31, 2011.
- “Is Healthcare Financing Upside Down? A Commentary on the Healthcare Investment Decision,” with J. Buessler and B. Ewing, *Medical Group Management Association Connexion*, Vol 3, No. 2, pages 16-18, February 2003.
- “Does a Market for Mitigation Exist?” with K Simmons, *Disaster Safety Review*, Vol. 1, No. 1, 2002.

REFEREED PROCEEDINGS & ABSTRACTS

- “Valuing Spatially Integrated Amenities and Risks in Coastal Housing Markets,” with O. Bin, T. Crawford, and C. Landry, *Proceedings of the 3rd World Congress of Environmental and Resource Economists*, Kyoto, Japan, 2006.
- “Transmission of Labor Market Risk Across Regions, Evidence from the May 3 1999 Oklahoma City Tornado,” with B. Ewing and M. Thompson, *Proceedings of the 10th Americas Conference on Wind Engineering*, Baton Rouge, LA, 2005.
- “Spatial Dependencies in Wind-Related Housing Damage,” with D. DeSilva and Y. Wang, *Proceedings of the 10th Americas Conference on Wind Engineering*, Baton Rouge, LA, 2005.

- “Risk Mitigation: Individual and Market Behavior,” with K. Simmons, *Proceedings of the 11th International Conference on Wind Engineering*, Lubbock, Texas, 2003.
- “A Qualitative Possibility Theory Approach on an Illustrative Example: The Hurricane Evacuation Decision,” with X. Gilliam and T. Tiglioglu, *Proceedings of the 11th International Conference on Wind Engineering*, Lubbock, Texas, 2003.
- “Labor Market Responses to Tornadoes,” with B. Ewing and M. Thompson, *Proceedings of the 11th International Conference on Wind Engineering*, Lubbock, Texas, 2003.
- “The United States in the Global Soybean Market: Where do we go from here?” with C. Bolling and A. Somwaru, Selected Paper American Agricultural Economics Association, 16 pages, 2001.
- “The Oklahoma City Tornado Outbreak: A Wind Damage-Economic Loss Interface,” with M. Thompson, D. Smith, R. Peterson, E. Shaw, and K. Simmons, *Proceedings: Americas Conference on Wind Engineering*, 9 pages, Clemson, SC, 2001.
- “Radar-Derived Analysis of the 3 May 1999 Oklahoma City Tornado and Comparison to Damage Estimates,” with E. Shaw, R. Peterson, M. Thompson, D. Smith, and K. Simmons, *Proceedings: Americas Conference on Wind Engineering*, 11 pages, Clemson, SC, 2001.
- “An Application of Fuzzy Logic to Explain Hurricane Evacuation Behavior,” with T. Tiglioglu, and R. McComb, *Proceedings: Americas Conference on Wind Engineering*, 10 pages, Clemson, SC, 2001.
- “Hurricane Bertha and Unemployment: A Case Study of Wilmington, NC,” with B. Ewing, *Proceedings: Americas Conference on Wind Engineering*, 6 pages, Clemson, SC, 2001.
- “The United States as a Dominant Producer in Corn and Soybean Markets: Policy Implications,” *Agricultural and Resource Economics Review*, Vol 29, No. 2 page 252, October 2000.
- “Nashville tornado-economic damage estimation using tax assessor and insurance data,” with K. Simmons and T. Tiglioglu, *Wind Engineering into the 21st Century*, pages 1431-6, A. Larsen, ed. A. A. Balkema, Rotterdam/Brookfield, 1999.
- “Voluntary Selection of Real Time Pricing: Laboratory Evidence,” *Federal Forecasters' Conference 1993: Papers and Proceedings*. Ron Early, ed.

REPORTS

- Hazards Research Activities, Five Year Report 2004-2009, Center for Natural Hazards Research, East Carolina University, 2009.
- Annual Report, Renci@ East Carolina University Center for Coastal Systems Informatics and Modeling, Report to the Renaissance Computing Institute, 2008.
- Annual Report, Renci@ East Carolina University Center for Coastal Systems Informatics and Modeling, Report to the Renaissance Computing Institute, 2007.
- “Wind Disasters and Bank Performance,” with Bradley Ewing and Scott Hein, Report to the Federal Deposit Insurance Corporation, Office of Financial Research, 2006.
- “An Economic Analysis of Wind Resistant Construction,” with Dakshina DeSilva and Dan Sutter, Report to the Department of Commerce, National Institute of Standards and Technology, Windstorm Mitigation Initiative, 2005.
- “Transmission of Labor Market Shocks across Regions: Evidence from the May 3, 1999 Oklahoma City Tornado,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, National Institute of Standards and Technology, Windstorm Mitigation Initiative, 2005.
- “Valuing Self Protection: Income and Certification Effects for Safe Rooms,” with Bradley Ewing, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2005.
- “Spatial Dependencies in Wind-Related Housing Damage,” with Dakshina DeSilva and Yongsheng Wang, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2005.
- “Labor Market Effects of the Oklahoma City Tornado: a time series panel data analysis,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2004.

- “Local Housing Price Index Analysis in Wind-Disaster-Prone Areas,” with Bradley Ewing and Yongsheng Wang, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2004.
- “Wind Loss Measurement Using Multiple Data Sources,” Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “The Economic Impact of the Fort Worth Tornado on Employment,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “Wind Loss Measurement Using Multiple Data Sources,” Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “Insurer Stock Price Responses to Hurricane Floyd: an event study analysis using storm characteristics,” with Bradley Ewing and Scott Hein, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “Valuing Safe Rooms in Hurricane Prone Regions,” with John Crooker, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003
- “The Impact of the Forth Worth Tornado on Employment,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “The Impact of the Nashville Tornado on Employment,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2003.
- “The Impact of the Oklahoma City Tornado on Employment,” with Bradley Ewing and Mark Thompson, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2002.
- “Report on Saferoom Investment,” Report to the Department of Commerce, Windstorm Mitigation Initiative, 2001.
- “Risk Perception and the Value of Safety: In-residence Storm Shelters in Tornado-Prone Areas,” with Ozlem Ozdemir, Report to the Department of Commerce, Windstorm Mitigation Initiative, 2000.
- “Big 12 Faculty Fellowship Program: Iowa State University,” Report to the Texas Tech University Provost, 1997.
- “Business Cycles and Uncertainty: Determination of Access Fees to Real Time Pricing Programs,” with W. D. Schulze and G. McClelland, Report to Niagara Mohawk, 1993.
- “An Experimental Analysis of Emission Permits with Banking and the Clean Air Act Amendments of 1990,” with Mark B. Cronshaw, Report to the Department of Energy, 1992.
- “Experimental Study of Marketable Emission Permits for Reduction of Acid Rain,” with Mark B. Cronshaw, Report to the Department of Energy, 1990.
- “Optimal Rationing: A Comparison of Priority Service and Proportional Curtailment,” with S. R. Elliott, S. Ben-David, W. D. Schulze D. F. Spulber, and M. Doane, Report to Niagara Mohawk, 1990.
- “Farm Flock Sheep Management Systems,” Colorado State University Experiment Station Bulletin, with C. K. Gee and A. G. Madsen, 1986.
- “Structure of the Colorado Beef Industry,” Special Report, Eastern Livestock Round-up. Cooperative Extension Service, Western Livestock Marketing Information Project, Colorado State University. with A. G. Madsen and C. K. Gee, 1985.

SUBMITTED PAPERS

- “Time-varying Viewshed Measures and Impacts on Hedonic Pricing Models: A Case Study of Ocean View in Beach Communities,” with T. Crawford, O. Bin and C. Landry
- “Mars and Venus: experiments on joint risk mitigation decision-making,” with M. Thompson.

WORK IN PROGRESS

“Theory and Experiment on Ambiguity,” with C Landry and M. Jahan-Parvar.

“Experimental Tests of the Theory of Moves,” with C. Landry, H. Liu, R. Ericson, and L. Zeager.

PROFESSIONAL MEMBERSHIPS

American Economic Association, Economic Science Association, Southern Economic Association, Society for Risk Analysis, Society of Behavioral Economics, American Association for Wind Engineering.

GRANTS

National Science Foundation, Engineering Directorate, “Development of a quantitative model for measuring regional economic resilience to hurricanes,” subaward total \$91,360, 2010-2012.

National Institute for Standards and Technology, “Modeling Natural Disaster Risk Management: A Stakeholder Perspective,” subaward total \$125,000, 2010-2013.

RENCI@East Carolina University, Coastal Systems Informatics and Modeling (C-SIM) Phase 2, Cooperative Agreement with Renaissance Computing Institute, Co-investigator, total support \$250,000, 2009-2010.

RENCI@East Carolina University, Coastal Systems Informatics and Modeling (C-SIM) Cooperative Agreement with Renaissance Computing Institute, Director, total support \$1.7 mil, 2006-2009.

National Science Foundation, #0554987, “The New New Orleans: Evaluating Preferences for Rebuilding Plans After Hurricane Katrina,” Principal Investigator, \$172,596, 2006-2008.

National Science Foundation, #0553108, “Collecting Economic Impact Data: Implications for Disaster Areas and Host Regions,” Principal Investigator, \$29,881, 2005-2006.

East Carolina University, Research Development Grant Program, “Spatial, Environmental and Behavioral Determinants of Valuation of Coastal Erosion Risk,” Total support \$30,000. PI with co-investigators O. Bin, T. Crawford, and C. Landry, 2005-2006.

Federal Deposit Insurance Corporation, “Natural Disasters and Bank Performance,” total support \$10,000, 2005-2006.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 7, total support \$2 million, Consultant for Research Thrust C: Windstorm Economics, 2004-2005.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 6, total support \$2.36 million, Principal Investigator for Research Thrust C: Windstorm Economics (\$218,015), 2003-2004.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 5, total support \$1.59 million, Principal Investigator for Research Thrust C: Windstorm Economics (\$174,065), 2002-2003.

National Science Foundation, IGERT, “Multidisciplinary Program in Wind Science and Engineering,” Co-PI, total support \$2.26 million. 2002-2007.

Advanced Research Program, Texas Higher Education Coordinating Board, “The Economic Impact of Windstorms and Mitigation on the Texas Labor Market,” with B. Ewing, \$65,760. 2001-2003.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 4, total support \$1.59 million, Principal Investigator for Research Thrust C: Windstorm Economics (\$210,029), 2001-2002.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 3, total support \$1.3 million, Principal Investigator for Research Thrust C: Windstorm Economics (\$163,851), 2000-2001.

National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, \$20,000, 1999-2000.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 2, total support \$1.2 million, Principal Investigator for Research Thrust C: Windstorm Economics, (\$147,824), 1999-2000.

Texas Tech University Research Enhancement Grant, "The M1 Velocity Puzzle and the Friedman Hypothesis: Laboratory Experiments," with B. Ewing, \$4,000, 1999-2000.

Natural Hazards Research and Applications Information Center Grant, "Modeling Hurricane Evacuation using Transportation Models and Fuzzy Logic," with T. Tiglioglu, \$3,000, 1999-2000.

National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, total support \$350,000, (15%) \$52,500, 1998-9.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Windstorm Mitigation Initiative, total support \$3.6 million, Principal Investigator for Research Thrust 6: Wind Damage Economics (\$137,000), 1998-9.

National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, total support \$320,000, (15%) \$50,000, 1997-8.

Texas Tech Teaching Learning and Technology Center Faculty Incentive Grant, "Experimental Economics in the Classroom: Experiential Learning Modules," total support \$5,000, 1997-98.

Niagara Mohawk, "A Laboratory Experimental Examination of Hourly Integrated Pricing," with G. McClelland, and W. D. Schulze, total support \$50,000, 1992-3.

Department of Energy, "Marketable Emissions Permits and the Clean Air Act of 1990," total support \$33,582, 1991-2.

Department of Energy, "Experimental Study of Marketable Emissions Permits for Reduction of Acid Rain," total support \$22,582, 1990-1.

University of Colorado Council on Research and Creative Work, "Pollution Permit Markets: An Investigation of Market Power and Information Conditions," total support \$4,000, 1990-1.

Niagara Mohawk, "A Comparison of Rationing Mechanisms for Load Reduction," with S. Elliott, S. Ben-David, W. D. Schulze, and D. Spulber, 1989-90.

University of Colorado Undergraduate Enrichment Award, "Market Learning Modules," awarded jointly with Mike McKee 1988-89.

PRESENTATIONS

The Role of Economics: Integrating Economics into the USGS Research Portfolio, USGS National Center, Reston, VA 2011.

The Will Mann Richardson Lecture Series, Austin College, "Social, Behavioral, and Economic Sciences at NOAA," Sherman, TX 2011.

The McDonald-Mehta Lecture Series, Texas Tech University, "Social, Behavioral and Economic Sciences at NOAA," Lubbock, TX 2011.

University of Nebraska, "Three papers illustrating research and discovery," Lincoln, NE 2010.

Coastal States Caucus, "Coastal Ecosystems and Economies," Washington, DC 2010.

University of Delaware, "Beautiful but Risky: Risk and Amenity Value in the Coastal Housing Market," Newark, DE 2010.

National Academy of Science, Disasters Roundtable "Risk Assessment and Risk Management at NOAA," Washington, DC 2010

NOAA Research Council Social Sciences Committee "Weathering the Storm: measuring household willingness-to-pay for risk reduction in post Katrina New Orleans," Silver Spring, MD 2010.

NOAA Office of Atmospheric Research Executive Research Committee, "NOAA and Social Science." Washington, DC 2010.

Hazards and Disasters Researchers' Meeting, Invited Panel, "Toward a Natural Hazard Vulnerability and Resiliency Observatory (RAVON)" sponsored by National Science Foundation., Broomfield, CO 2009.

Enabling the Next Generation of Hazards and Disaster Researchers Summer Meeting, "Economics and Hazards," Broomfield, CO, 2009.

45th Werner Sichel Lecture Series, The Economics of Natural and Unnatural Disasters, Western Michigan University, Kalamazoo, MI, October 2008 (invited).

National Center for Atmospheric Research, Boulder, Colorado, June 2008 (invited).

Third International Symposium for the Prevention of Natural Disasters, Mexico City, Mexico May 2008 (invited).

Southern Economic Association Meeting, New Orleans, LA November 2007.

Texas Tech University, Wind Science and Engineering Seminar, Lubbock, TX November 2007 (invited).

National Science Foundation HSD PI's meeting, Arlington, VA October 2007.

Hazards and Disaster Researchers' Meeting, Boulder, CO, July 2007.

Texas Tech University, MBA Program for Physicians, Lubbock, TX, March, 2007 (invited).

University of Central Florida, Departmental Seminar, Orlando, FL, January, 2007 (invited).

RENCI Board of Governors, Chapel Hill, NC, December, 2006.

Southern Economic Association Meetings, Charleston, SC, November, 2006.

Emergency Management and Communication in North Carolina Workshop, Greenville, NC, November, 2006.

"The Business of Healthcare," Mini Research Symposium, ECU, Greenville, NC, November 2006.

Preparing for and Responding to Disasters in North America, San Antonio, TX, November 2006 (invited).

Tulane University, Katrina Research Symposium, New Orleans, LA, November 2006.

Texas A & M, Departmental Seminar, College Station, TX, October 2006 (invited).

University of Tennessee, Institute for Secure and Sustainable Environment, Knoxville, TN, October 2006.

National Science Foundation, HSD PI's Meeting, Washington, DC, September 2006.

Hazards and Disaster Researchers' Meeting, Boulder, CO, July 2006.

University of Tennessee, Departmental Seminar, Knoxville, TN, January 2006 (invited).

American Economic Association Meetings, Boston, MA, January 2006.

Southern Economic Association Meetings, Washington, D.C. November 2005.

32nd Annual Conference Council for Programs in Technical and Scientific Communication, Lubbock, TX, October 2005.

Americas Conference on Wind Engineering, Baton Rouge, LA, June, 2005.

Experimental Economics and Public Policy Workshop, Appalachian State University, Boone, NC, April 2005 (invited).

University of Nebraska, Lincoln, NE, Economics Department Visiting Scholar Series, March 2005 (invited).

Virginia Tech, Blacksburg, VA, Departmental Seminar, February 2005 (invited).

8th CEEL Workshop, Dynamic Choice and Experimental Economics, Bari, Italy, January 2005.

Southern Economic Association Meetings, New Orleans, LA, November 2004.

Southern Economic Association Meetings, San Antonio, TX, November 2003.

East Carolina University, Greenville, NC, Departmental Seminar, October 2003.

University of Oklahoma, Norman, OK, Departmental Seminar, March 2003 (invited).

Southern Economic Association Meetings, New Orleans, LA, November 2002.

Baylor University, Waco, TX, Economics Departmental Seminar, October 2002 (invited).

Economic Science Association International Meeting, Boston, MA, June 2002.

University of Fribourg, Switzerland, Economics Seminar, February 2002 (invited).

University of Zurich, Switzerland, Economics Seminar, December 2001 (invited).

University of Zurich, Switzerland, Institute for Empirical Research in Economics Brown Bag Seminar, November 2001.

Hazards Conference, Boulder, CO, (invited) July 2001.

Americas Conference on Wind Engineering, Clemson, SC, June 2001.

Public Choice Society Meetings, San Antonio, TX, March 2001.

Project Impact Summit, Washington, DC, November 2000 (invited).

Southern Economics Association Meeting, Washington, DC, November 2000.

Economic Science Association Regional Conference with special emphasis on Economics and Psychology. Tucson, AZ, September 2000.

Hazards Conference, Boulder, CO, (invited) July 2000.

INFORMS Spring 2000 Meeting, Salt Lake City, UT, (invited) May 2000.

Great Plains Outbreak of May 1999, Oklahoma City, OK, May 2000.

Public Policy Symposium, Reducing Losses from Windstorms, Washington, D.C., (invited) November 1999.

Southern Economics Association Meeting, New Orleans, LA, November 1999.

Heartland Environmental and Resource Economics Symposium, Ames, IA, (invited) September 1999.

Hazards Conference, Boulder CO, July 1999.

Economic Science Association Annual Meeting, Lake Tahoe, CA, May 1999.

Federal Emergency Management Agency, Washington, DC, March 1999 (invited).

Applied Economics Seminar, The Wharton School, University of Pennsylvania, Philadelphia, PA, November 1998 (invited).

Southern Economic Association Meeting, Baltimore MD, November 1998.

TAAC Meeting, Cooperative Project in Wind Engineering, Fort Collins, CO, October 1997.

Cooperative Project in Wind Engineering, Co-PI's Meeting, Baltimore, MD, June 1997.

Public Choice/Economic Science Association Annual Meeting, San Francisco, CA, March 1997.

Economics/Ag Economics Joint Seminar, Texas Tech University, Lubbock, TX, October 1996.

Econometric Society, North American Summer Meetings, Quebec, Canada, June 1994 (invited).

Economics Institute, Ukraine Delegation Short Course, Boulder, CO, February 1993.

American Economic Association Meetings, New Orleans, LA, (invited) January 1992.

Survival and Success for Women Faculty Spring Conference, University of Colorado, Boulder, CO, February 1992.

Econometric Society Winter Meetings, Atlanta, GA, December 1989.

American Economic Association Annual Meeting, CSWEP Session, (invited paper) Atlanta, GA, December 1989.

Economic Science Association Fall Workshop, Tucson, AZ, October 1988.

Public Choice/Economic Science Association Annual Meeting, Tucson, AZ, March 1987.

Economic Science Association Annual Meeting, Tucson, AZ, March 1986.

Economics Science Association Annual Meeting, Tucson, AZ March 1986.

COMMITTEES AND UNIVERSITY SERVICE

University Research Council, East Carolina University, 2011-2013.

Sustainable Tourism MS Oversight Committee, 2010-present.

Doctoral Planning Committee, East Carolina University, Department of Economics, 2006-present, Chair 2011.

Leadership Advisory Council, East Carolina University, 2008-present.

Coastal-Maritime Council, East Carolina University, 2005-present.

Research Associate, Texas Tech University, Wind Engineering Research Center, 1996-present.

Chair Search Committee, Human Dimensions of Coastal Sustainability Program Head, UNC Coastal Studies Institute/East Carolina University joint position. 2007-2009.

Chair Search Committee, Assistant Professor in the Institute for Coastal Science and Policy, East Carolina University, 2006-7.

Search Committee, Director of Institute for Interdisciplinary Coastal Science and Policy, East Carolina University, 2006-7.

Personnel Committee, East Carolina University, Department of Economics, 2005 (chair) 2006.

Research Committee, East Carolina University, Department of Economics, 2004-2005.

Technical Program Committee, International Conference in Wind Engineering, Lubbock, TX, 2002-2003.

Recruiting Director, Multidisciplinary Graduate Program in Wind Science and Engineering, 2002-2004.

Health Organization Management Executive Committee, 1998-2003.

Technical Program Committee, International Conference in Wind Engineering, Lubbock, TX, 2002-2003.

Invited Participant, Wharton/IBHS Roundtable on "Economic Incentives for Building Safer Communities" June, 2002.

National Science Foundation Chautauqua Course on Women and Minorities in the Sciences. May 2000.

Organizer Texas Tech Departmental Virtual Working Paper Series, 1999-2000.

University Committee, Strategic Plan for Research, Texas Tech, 1999.

University Committee, NCAA Self-Study, Fiscal Integrity Subcommittee, 1998-1999.

University Search Committee, Dean College of Business Administration, Texas Tech, 1997-8.

Organizer, Texas Tech Economics Seminar Series, 1997-8.

Chair, Search Committee, Assistant Professor Economics, Texas Tech, 1997-8.

University Committee, Dean's Small Grants Committee, University of Colorado, 1995.

Faculty member of traveling party, University of Colorado, President Albino's Summer Tour II- outreach to Northeastern Colorado, June 22-24, 1994.

University Institutional Review Board for the Protection of Human Subjects, University of Colorado, 1992-4.

Co-Associate Director of the Center for Economic Analysis, University of Colorado, 1992-3.

Committee on Undergraduate Review, University of Colorado, 1992-4.

Admissions and Fellowship Committee, University of Colorado, 1991-2.

SMART (Summer Minority Access to Research Training) Mentor, University of Colorado, 1990-2.

"COLORS OF COLORADO" Committee on the study of gender and ethnicity in teaching curriculum, University of Colorado, 1988-9.

Research Associate, Institute of Behavioral Science, Environment and Behavior Program, University of Colorado, 1988-95.

Micro Theory Search Committee, University of Colorado, 1988, 1991.

Program Review Self-Study Committee, University of Colorado, 1989.

REVIEWER/REFEREE WORK

Agricultural Economics
 Canadian Journal of Economics
 Economic Inquiry
 Energy Journal
 Environmental and Resource Economics
 Experimental Economics
 Experimental Methods for Environmental Economics (edited volume)
 International Conference on Wind Engineering Proceedings
 International Journal of Game Theory
 International Journal of Industrial Organization
 Journal of Economic Behavior and Organization
 Journal of Economic Education
 Journal of Economic Psychology

Journal of Economics and Management Strategy
Journal of Environmental Economics and Management
Journal of Forensic Economics
Journal of Money Credit and Banking
Journal of Public Health Management and Practice
Journal of Risk and Insurance
National Science Foundation
Natural Hazards Review
Physica A
Public Finance Review
Research in Experimental Economics
Resource and Energy Economics
Risk Analysis
Southern Economic Journal
Texas Sea Grant
Weather and Forecasting (Journal of the American Meteorological Society)
Wildfire and Fuels Management: Risk and Human Response (edited volume)

THESIS SUPERVISION

Doctoral Dissertation, Chair

Hillary Huffer, Ph.D. East Carolina University, Coastal Resource Management, In Progress.
Nahil Saqef AlHait, Ph.D. Texas Tech University (co-chair) Economics, "Tests of Alternative Predictions for One Shot and Repeated Game Environments: theory and experiments," 2005. Assistant Professor, University of Jordan, Amman, Jordan.
Guillermo Covarrubias, Ph.D. Texas Tech University (co-chair) Economics, "Examination of Yield Spreads: Econometric Modeling and Forecasting." 2004, Assistant Professor of Economics, University of Texas-El Paso.
Alper Altinanahtar, Ph.D. Texas Tech University "Analysis of a Market for Transplantable Organs," 2004, Assistant Professor, Yeditepe University, Istanbul, Turkey.
Mark Thompson, Ph.D. Texas Tech University "Essays on the Economic Analysis of Risk," 2003, Associate Professor and Associate Director Center for Healthcare, Innovation, Education and Research, Jerry S. Rawls College of Business Administration, Texas Tech University, Lubbock, TX.
Tufan Tiglioglu, Ph.D. Texas Tech University (co-chair) "Economic Analysis of Hurricane Evacuation," 2001. Assistant Professor, Alvernia College, Reading, PA.
Ozlem Ozdemir, Ph.D. Texas Tech University "Risk Perception and the Value of Safety for Low Probability, High Consequence Risks: Theoretical and Empirical Investigation," 2000, Associate Professor, Middle Eastern Technical University, Istanbul, Turkey.
Kevin Simmons, Ph.D. Texas Tech University (co-chair) "Pricing of Mitigation Measures," 1999. Clara R. and Leo F. Corrigan Chair in Economics and Business Administration, Austin College, Sherman, TX.
Arief Karseno, Ph.D. University of Colorado "Advertising, Market-Share and Profitability: An Experimental Study with Application to Indonesian Manufacturing," 1991. Professor, Economics Department, Gadjah Mada University, Yogyakarta, Indonesia.
David Schenk, Ph.D. University of Colorado "Spatial Competition and Communication: Theory and Experiments," 1991.
Steve Elliott, Ph.D. University of Colorado, "Innovative Rate Structures for Electrical Utility Peak Load Management: An Experimental Approach," 1990. Associate Professor, Miami University at Oxford, Ohio.

Doctoral Dissertation, Committee

Jingyuan Li, Ph.D. East Carolina University, Coastal Resource Management, In progress.

- Martinez, Maribel, Ph.D. Texas Tech University, Wind Science and Engineering, "Economic Analysis of the Tornado Impact upon Two Communities," 2009.
- Andrea Jackman, Ph.D. Texas Tech University, Wind Science and Engineering, "An Analysis of the Cost of Hazard Mitigation Planning Policy in Local and Regional Government," 2008.
- Paul Hindsley, Ph.D. East Carolina University, Coastal Resource Management, "Discrete Choices in Coastal Environments: Addressing Confounding Factors in Random Utility Models." 2008.
- Yongsheng Wang, Ph.D. Texas Tech University, Economics, "Essays in Real Estate Finance and Economics." 2005.
- Omar Al-Zoubi, Ph.D. Texas Tech University, Economics, "Essays in Monetary and Fiscal Policy." 2003.
- Talah Arabiyat, Ph.D. Texas Tech University, Economics, "Essays in Commodity Asset Pricing and Yield Spreads," 2003.
- Ronald Daigle, Ph.D. Texas Tech University, Accounting, "Determining Individual Microeconomic Demand for Continuous Online Assurance Given Specific Types of Decisions," 2002.
- Richard Stemple, Ph. D. Texas Tech University, Economics, "Education earnings profile: gender differences," 2001.
- Farooq Malik, Ph.D. Texas Tech University, Economics, "Three Essays in Applied Financial Economics and Macroeconomics," 2000.
- Melissa Wiseman, Ph.D. Texas Tech University, Economics, "Faculty Performance Evaluation and Principal-Agent Concerns at Texas State Supported Universities," 1999.
- John Lovett, Ph.D. University of Colorado, Economics, second reader, Ph.D. "Congressional Legislation Involving White and Indian Affairs in the Early National Period: 1783-1802," 1995.
- Mary (Myung-Wook) Lee, Ph.D. University of Colorado, Economics, "Direct and Indirect Estimations of Non-Market Valuations using Bootstrap GMM-A case of Recreational Fishing in Central and Northern California," 1995.
- Jay Goodman, Ph.D. University of Colorado, Economics, "Temporary and Permanent Water Transfers Modeling the Water allocation Process in the Western United States," 1995.
- Lynne Lewis, Ph.D. University of Colorado, Economics, second reader, "Evaluating Opportunities for Interstate Water Sharing in the Western United States," 1994.
- Rebecca Boyce, Ph.D. University of Colorado, Economics, "Essays in Environmental Economics: Investigating Non-use Values, the WTA-WTP Disparity and the Reliability of the Contingent Valuation Method," 1993.
- Pat Fort, Ph.D. University of Colorado, Accounting, "Analysts' Forecast Accuracy and the Presentation of Mandated Accounting Changes," 1992.
- Joseph Sudia, Ph.D. University of Colorado, Business Administration, "Valuation Effects of Takeover Regulation on Multinational Bidders," 1992.
- Steve Paskin, Ph.D. University of Colorado, Accounting, "Some Economic Determinants of Discretionary Accounting Changes," 1989.
- Master's Thesis, Chair
- Jens Schubert, East Carolina University, "Portfolio life-cycle selection: theory and experiment," East Carolina University, 2006.
- Myung-Wook Lee, "Transferable Discharge Permits as a Means of Implementing Pollution Policy," University of Colorado, 1992.
- Xirun Liu, "Experimental Tests of the Rent v. Buy Decision," University of Colorado, 1990.
- Master's Thesis, Committee

Pari Sivakumar, University of Colorado, 1994.
Carl A. Taubel, University of Colorado, 1993.
Eun Soo Kim, University of Colorado, 1989.
University of Colorado, Undergraduate Honors Thesis, Chair
Steven McPike, Cum Laude in Economics, 1995.
Sonja De Lemos, Summa Cum Laude in Economics, 1995.
Tamara Berner, Magna Cum Laude in General Honors, 1994.
Debra T. Trapp, Summa Cum Laude in Economics, 1992
Veronica Chavez, Magna Cum Laude in Economics, 1991.
David L. Hummels, Summa Cum Laude in Economics and Political Science, 1990. (Associate Professor, Purdue University)
Texas Tech University, Research Experience for Undergraduates, CPWE
Damon Dade, "Understanding the Texas Windstorm Insurance Association," 1998.
Jay Miller, "Myopia and the Mitigation Decision," 1997.

COURSES TAUGHT

Undergraduate

Economic Research
Health Care Economics
Industrial Organization/Regulation
Intermediate Microeconomic Theory
Introduction to Mathematical Economics
Managerial Economics
Principles of Macroeconomics
Principles of Microeconomics
Risk and Decision Making

Graduate

Economics of Wind Damage and Risk Management
Experimental and Behavioral Economics
Health Care Economics
Industrial Organization
Microeconomic Theory
Risk Management and Insurance
Risk and Regulation
Quantitative Analysis