

VITA

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ACADEMIC BACKGROUND

Ph.D. Degree - Agricultural Economics, University of Illinois - October 1985.

M.S. Degree - Applied Economics, Montana State University - December 1982.

B.S. Degree - Fish and Wildlife Management, Montana State University - June 1980.

B.S. Degree - Premedicine, Montana State University - June 1979.

PROFESSIONAL EXPERIENCE

Texas A&M University, Department of Agricultural Economics, College Station, Texas.

Professor, September 1995 - present.

Member, Texas A&M Energy Institute, 2014 – present

Member Intercollegiate Faculty of Agribusiness 2012 – present.

Professor, Texas A&M Water Resources Program 2005 – present.

Faculty Associate, Bush School of Government and Public Service, September 1996 - June 2001.

Departmental Graduate Advisor, November 1994 - April 1997.

Associate Professor, September 1990 - August 1995.

Assistant Professor, September 1985 - August 1990.

University of Illinois, Urbana, Illinois. Graduate Research Assistant, August 1982 - September 1985.

Montana State University, Bozeman, Montana. Graduate Research Teaching Assistant, June 1981 - August 1982.

CONTINUING EDUCATION

Certified Virtual Instructor - Texas A&M University, The Center for Distance Learning, Texas A&M University – November 2007.

CURRENT EMPLOYMENT POSITION

Current position is a joint teaching and research appointment. Teaching responsibilities currently include introductory economics and two master level classes (natural resources and land economics – which is a required course in the Master of Real Estate program of the Mays Business School). Past teaching responsibilities include undergraduate classes in resource and environmental economics, quantitative analysis (linear programming, regression and calculus), managerial finance, and a senior level review course, along with teaching graduate level courses in dynamic optimization (dynamic programming, calculus of variation, and optimal control), and optimization and time series

Research has primarily focused on the design of information forecasting systems. Secondary emphasis has been incorporating dynamics into decision making models. Research interests include a multitude of natural resource issues including energy economics and willingness-to-pay.

AFFILIATIONS

Agricultural and Applied Economics Association formally American Agricultural Economics Association

Western Agricultural Economics Association
(Association Representative 1992-1993, 2008 -2012)
(Editorial Council 1994 - 1997)

Southern Agricultural Economics Association

Editorial board of *Energy Economics* (2009 - 2012)

NATIONAL COMMITTEES

Member United States Global Ocean Observing System (GOOS) Steering Committee, 1998-2001.

HONORS AND AWARDS

Fellow to the Western Agricultural Economics Association. 2016.

Association of Former Students of Texas A&M University, Distinguished Achievement Award – Teaching, College Level, 2011.

Fellow to the Cooperative Institute for Mesoscale Meteorological Studies (CIMMS), University of Oklahoma, August 1994 - 2014.

Faculty Recognition Award given by Graduate Students Association - September 1995.

Outstanding Professor in the Department of Agricultural Economics given by the Agricultural Economics Undergraduate Club, 1988-89 and 1989-90 academic years.

GRADUATE STUDENTS – AWARDS

Hlavinka, A. Southern Agricultural Economics Association Outstanding Ph.D. Dissertation Award, 2020.

Binder, K. Southern Agricultural Economics Association Outstanding Ph.D. Dissertation Award, 2017.

Hlavinka, A. Western Agricultural Economics Association Graduate Student Paper/Presentation Competition 1st place, 2014.

Musumba, M. Texas A&M University Association of Former Students Distinguished Graduate Student Award for Excellence in Research – Masters, 2007.

Lemberg, B. Universities Council on Water Resources First Place Ph.D. Award in the Field of Water Policy and Socio-Economics, 2001.

UNDERGRADUATE STUDENTS ADVISED - NATIONAL COMPETITIONS

Co-advisor to the Department's Academic Bowl Teams 1991-1994, 2006-2010. These teams won the 1991, 1992, 2006, 2007, and 2008 SS-AAEA Competitions. Placed 3rd in 1992, 2nd in 2009, and 3rd and 4th in 2010.

Sherman, M. “Effects of Climate on Winter Fresh Tomato Trade.” Paper Presented at the 2001 SS-AAEA Undergraduate Paper Competition. Co-Advisor with Steven Fuller.

Samuel, H.C. “Inefficiencies in the S&P 500 Futures Market.” Paper Presented at the 1993 SS-AAEA Undergraduate Paper Competition. Awarded Third Place. Co-Advisor with Mark Waller.

Jarvis, A.M. “Computer Adoption Decisions -- Implications for Future Research and Extension Efforts: The Case of Texas Rice Producers.” Paper Presented at the 1990 SS-AAEA Undergraduate Paper Competition. Awarded First Place. Co-Advisor with M. Edward Rister.

Frerich, S.J. “State Incentive Programs to Improve Habitat and Increase Access to Private Land.” Paper Presented at the 1989 SS-AAEA Undergraduate Paper Competition.

Co-advisor to the Agricultural Economics Undergraduate Club, 1986 - 92. Club received the Outstanding Undergraduate Club Award presented by the Student Section of the American Agricultural Economics Association for the 1987- 88 academic year, second place 1988-89, third place for the 1989-90, and fourth place for 1990-91.

SUMMARY OF COURSES TAUGHT AT TEXAS A&M UNIVERSITY

Class	Title	Semesters Taught	Student Numbers	Student Evaluations
Undergraduate Courses				
AGEC 105	<i>Introduction to Agricultural Economics</i>	F - 2009, 2017 S – 2011 through 2020	1447	3.96
AGEC 317	<i>Quantitative Methods in Agricultural Economics</i>	F - 1988, S - 1986, 1987, 2003, 2004	526	2.94
AGEC 330	Financial Management in Agriculture	F - 1989, 1990, 1991	331	NA
AGEC 350	Environmental and Natural Resource Economics	S - 1992, 1993, 1994, 1995	195	3.88
AGEC 485 / 489	Cross Cutting Issues in Agribusiness and Agricultural Economics	S - 1991, 1992, 1993, 1994, 2005, 2006, 2007, 2008, 2009, 2010	106	4.13
Undergraduate Student Total – All			2605	3.89
Required			1973	3.80
Non-required			632	4.02
Graduate Courses				
AGEC 603	Land Economics	S - 2014, 2015, 2016, 2017, 2018, 2019	302	4.03
AGEC 604/ PSAA 663	Environmental and Natural Resource Economics	F 1996, 1997 S - 1998 through 2019	337	4.49
AGEC 604 Dist.	Environmental and Natural Resource Economics	SU - 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009	92	4.50
AGEC 622	<i>Quantitative Techniques for Decision-Making in Agriculture II</i>	S - 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004	246	3.79
AGEC 642	<i>Systems Analysis and Programming in Agricultural Economics</i>	S - 1989, 1990, 1991, 1993, 1995, 1997	45	4.37
AGEC 673	Fundamentals in Resource and Environmental Economics	S - 2014	4	4.73
AGEC 677	Frontiers in Natural Resource and Environmental Economics	F - 2007	3	4.73
Graduate Student Total – All			1029	4.36
Required			246	3.79
Non-required			783	4.40
Total All Students			3634	4.17
Required			2219	3.80
Non-required			1415	4.31

Based on available data, data before 2000 is sparse. Required courses are required of all students in the AGECE Department in italics. Land Economics is a require course in the Master of Real Estate program in the Mays School of Business. Current courses in bold. Simple averages.

GRADUATE STUDENTS COMMITTEE CHAIR – Graduated

Summary of Graduate Students Committee Chair	
Degree Level	Number Graduated
Ph.D.	20
M.S. Thesis Option	12
M.S. Non-thesis Option - Paper	16

Committee Chairman for three current Ph.D. Students

Chavez, D.E., “Insights from Behavioral Economics on Deviations from Rational Choice Theory.” Ph.D. Dissertation, Texas A&M University, December 2020. Completed all requirements but missed deadlines to graduate in August 2020.

Hlavanika, A. “Applied Solutions to the Curse of Dimensionality in Time Series Econometrics.” Ph.D. Dissertation, Texas A&M University, December 2018.

Binder, K.E. “The Past, Present, and Future of the U.S. Electric Power Sector: Examining Regulatory Changes Using a Multivariate Time Series Approach.” Ph.D. Dissertation, Texas A&M University, May 2016. Awarded the Southern Agricultural Economics Association Outstanding Ph.D. Dissertation Award. 2017.

Dhoubhadel, W. “Opportunities and Challenges in Direct Potable Reuse of Municipal Wastewater.” Nonthesis Professional Paper, Texas A&M University, May 2016.

Duangnate, K. “Essays on the Dynamics of and Forecasting Ability within the U.S. Energy Sector.” Ph.D. Dissertation, Texas A&M University, December 2015.

Pappas, M. M.S. Nonthesis, Texas A&M University, August 2015.

Regmi, G. “Dynamic Relationships between Immigrants and U.S. Gross Domestic Product Using Vector Error Correction Model (VECM).” M.S. Thesis, Texas A&M University, May 2015.

Ullrich, K. M.S. Nonthesis, Texas A&M University, May 2015.

Reynolds, K.R., “Athletic Success and Contributions to Universities’ Athletic Departments.” M.S. Thesis, Texas A&M University, May 2015.

Fashacht, K. “Post-Extracted Algae Residue (PEAR) for Beef Cattle.” Nonthesis, Texas A&M University, May 2015.

Rowland, C.S. “Essays on the Dynamics of Oil and Energy in the U.S.” Ph.D. Dissertation, Texas A&M University, December 2013.

- Nata, J. "Household Segmentation in Food Insecurity and Soil Improving Practices in Ghana." M.S. Thesis, Texas A&M University, August 2013.
- Amatya, P. "Sustainable Bio-Sorghum (*Sorghum bicolor* L. Moench.) Production for Biofuel and its Net>Returns." Nonthesis Professional Paper, Texas A&M University, August 2013.
- Miller, A. "Business Plan for Cedar Flats Engraving: A Laser Engraving Company." M.S. Nonthesis Professional Paper, Texas A&M University, December 2012.
- Routh, K. "A Time Series Analysis of Food Price and Its Input Prices." M.S. Thesis, Texas A&M University, December 2012.
- Lopez Cabrera, J.A. "The Determinants of Homeownership in Presence of Shocks Experienced by Mexican Households." M.S. Thesis, Texas A&M University, December 2012.
- Sung, P.S. "Price Discovery in Wheat Futures and Spot Markets." M.S. Nonthesis Professional Paper, Texas A&M University, August 2012.
- Israel, A.A. "The Value of Public Transportation for Improving the Quality of Life for the Rural Elderly." M.S. Thesis, Texas A&M University, May 2012.
- Lee, S. "A Study on the Cost-Benefit Analysis of a Large Scale Biogas Plant: A Case Study of Gang-Hwa Island South Korea." M.S. Nonthesis Professional Paper, Texas A&M University, May 2011.
- Fritz, A.T. "Determining the Universality of Factors' Effects on Conservation Tillage Adoption: A Meta-Regression Analysis." M.S. Nonthesis Professional Paper, Texas A&M University, May 2011.
- Olsen, K. "Inquiry of Natural Gas Spot Markets in Canada." M.S. Thesis, Texas A&M University, December 2010. Co-Advisor David Bessler.
- Machingambi, M. "Essays on Ecosystem Services Valuation in Texas." Ph.D. Dissertation, Texas A&M University, May 2010.
- Zaman, I. "Estimation of the Reservation Price of Job Location in USA for TAMU Undergraduate Students." M.S. Nonthesis Professional Paper, Texas A&M University May 2009.
- Dhoubhadel, S. "Economic and Environmental Costs of Crop Residue Removal for Biofuel Production." M.S. Nonthesis Professional Paper, Texas A&M University May 2009.
- Wolfley, J.L. "Machinery Sharing by Agribusiness Firms: Methodology, Application, and Simulation." Ph.D. Dissertation, Texas A&M University, December 2008.

- Musumba, M. "Factors Influencing International Graduate Students: Preferences Concerning where They Prefer to Start Their Careers." M.S. Thesis, Texas A&M University, December 2006. Co-Advisor with Yanhong Jin. Received the 2007 Distinguished Graduate Student Award for Excellence in Research - Masters awarded by Texas A&M University Association of Former Students.
- Jackson, R.S. "Economic Implications of Anaerobic Digesters on Dairy Farms in Texas." M.S. Thesis, Texas A&M University, May 2006.
- Park, H. "Essays on Price Dynamics, Discovery, and Dynamic Threshold Effects Among Energy Spot Markets in North America." Ph.D. Dissertation, Texas A&M University, August 2005. Co-Advisor with David A. Bessler.
- Arekere, D.M. "Examining Solid Waste Management Issues in the City of Bryan." Ph.D. Dissertation, Texas A&M University, December 2004.
- Rubas, D. "Technology Adoption: Who is Likely to Adopt and How Does the Timing Affect the Benefits?" Ph.D. Dissertation, Texas A&M University, August 2004.
- Jang, W. "Costs of Chronic Disease and an Alternative to Reduce These Costs: Case Study of End Stage Renal Disease (ESRD)." Ph.D. Dissertation, Texas A&M University, December 2003. Co-Advisor with Sherry I. Bame.
- Sadikov, N.B. "Economics of Pollution: Consequences of Road Transport Development for Environment." M.S. Nonthesis Professional Paper, Texas A&M University. August 2001.
- Johech, K. "Economic Viability of Rangeland Bases Ranching Enterprises." M.S. Thesis, Texas A&M University, December 2000.
- Hill, H.S.J. "Estimating the Effect of Decision Makers' Responses to Improved Climate Forecasts on International Wheat Trade." Ph.D. Dissertation, Texas A&M University, August 2000. Co-Advisor with Alan Love.
- Lemberg, B. "Integrating Ecological, Economic, and Hydrological Models to Evaluate Impacts of Land Use Strategies on Water Yield in the Frio River Basin." Ph.D. Dissertation, Texas A&M University, August 2000. Co-Advisor with Richard Conner. First Place Recipient of the Ph.D. Award in the Field of Water Policy and Socio-Economics by the Universities Council on Water Resources, 2001.
- Jerko, C. "Market Interactions in the Electricity Industry." Ph.D. Dissertation, Texas A&M University, August 2000.
- Harvel, T. "Costs and Benefits of Incorporating the Internet into the Traditional Classroom." Ph.D. Dissertation, Texas A&M University, May 2000.

- Arekere, D.M. "Formalizing the Theory Behind Contingent Valuation and Willingness-To-Pay for Recycling Programs." M.S. Nonthesis Professional Paper, Texas A&M University, May 1999.
- Funk, R.D. "Economic Impact of License Limitation and Buyback on the Texas Bay Shrimp Fishery." Ph.D. Dissertation, Texas A&M University, December 1998. Co-Advisor with Wade L. Griffin.
- Henry, A. "Ecological and Economic Value Issues Associated with Texas Rice Agriculture." M.S. Nonthesis Professional Paper, Texas A&M University, December 1998. Co-Advisor with Richard T. Woodward.
- Chang, C.C. "Institutional Analysis of Environmental Regulatory Control." Ph.D. Dissertation, Texas A&M University, May 1996.
- Hill, H.S.J. "Improved Climate Forecast Accuracy: Implications for the Aggregate Sorghum Supply Curve." M.S. Thesis, Texas A&M University, December 1995.
- Stokes, J.R. "Production, Marketing, and Financial Decision Making in a Dynamic and Stochastic Environment." Ph.D. Dissertation, Texas A&M University, December 1994.
- Sundarapather, V. "Analysis of Preventive Treatments for Control of Rice Water Weevil in Texas." Ph.D. Dissertation, Texas A&M University, August 1994. Co-Chair with M. Edward Rister.
- El harrack, A. "Estimation of Parametric and Nonparametric Probability Density Functions for U.S. Annual Wheat Prices." M.S. Nonthesis Professional Paper, Texas A&M University, May 1992.
- Williams, C.F. "Alternative Income Sources Affecting CRP Enrollment Decisions." M.S. Thesis, Texas A&M University, August 1991.
- Jones, J.B. "Analysis of the Exotic Livestock Industry." M.S. Nonthesis Professional Paper, Texas A&M University, August 1990.
- Harper, J.K. "Developing Economic Thresholds for Rice Stink Bug Management in Texas Using Dynamic Programming." Ph.D. Dissertation, Texas A&M University, August 1988. Co-Advisor with M. Edward Rister.
- Dillon, C.R. "An Economic Study of Tactical Crop Production Decisions in the Blacklands: The Melding of Biophysical Simulation and Economic Decision Models." M.S. Thesis, Texas A&M University, December 1987.

PUBLICATIONS

Summary of Publications and Presentations	
Type	Number Graduated
Referred	111
Book Chapters	5
Invited Presentation	12
Presentations / Posters	70
Other	54

Refereed Journal Articles

Chavez, D., Palma, M., Nayga, R., and J.W. Mjelde. "Partial and Full Incentivization in Discrete Choice Experiments." *Journal of Choice Modelling* forthcoming volume 36 September 2020.

Mjelde, J.W., R. Dudensing, J. Brooks, G. Battista, M. Carrillo, B. Council, A. Giri, M.K. Kim, and V.D. Pyrialakou. "Stakeholders' Opinions and Concerns Pertaining to Rural Transit for the Elderly and Transportation Disadvantaged." *SAGE Open* 10, 2 (2020).

Binder, K.E., M. Pourahmadi, and J.W. Mjelde. "The Role of Temporal Dependence in Factor Selection: Implications for Forecasting." *Empirical Economics* 58, 3 (2020): 1185-1223.

Duangnate, K., and J.W. Mjelde. "Prequential Forecasting Analysis of Returns in North America Natural Gas Spot Markets." Printed version forthcoming *Empirical Economics* Online 13 May 2019 <https://doi.org/10.1007/s00181-019-01706-4>.

Lee, C.K. E. Lee, J.W. James W. Mjelde, T.K. Kim, and Y. Choi. "Willingness-to-pay for Whale Tour Attributes using a Choice Experiment." *Asia Pacific Journal of Tourism Research* 24, 6(2019): 606-617.

Binder, K.E., and J.W. Mjelde. "Projecting Impacts of Carbon Dioxide Emissions Reductions in the U.S. Electric Power Sector: Evidence from a Data-Rich Approach." *Climatic Change* 151, 2(2018): 143-155.

Ji, S., Y. Choi, C.K. Lee, and J.W. Mjelde. "Comparing Willingness-to-pay Between Residents and Non-residents Using a Contingent Valuation Method: Case of the Grand Canal in China." *Asia Pacific Journal of Tourism Research* 233(2018): 79-91.

Kim, J., C.K. Lee, and J.W. Mjelde. "Impact of Economic Policy on International Tourism Demand: The Case of Abernomics." *Current Issues in Tourism* 21, 16 (2018): 1912-1929. Published online 21 June 2016.

Duangnate, K., and J.W. Mjelde. "Effects of Number of Factors on Probabilistic Forecasting Performance of FAVAR Models in Application to Natural Gas Withdrawals." *Energy Economics* 65(2017): 411-423.

- Reynolds, R., J.W. Mjelde, D.A. Bessler. "Dynamic Relationships among Winning in Various Sports and Donations to Collegiate Athletic Departments." *Cogent Social Sciences*, 3, 1(2017) 1325056. <https://doi.org/10.1080/23311886.2017.1325056>.
- Binder, K.E., and J.W. Mjelde. "Fuel Inventory and Price Relationships in the U.S. Electric Power Sector Under Regulatory and Market Change." *Regulatory Economics* 51(2017): 197-219.
- Rowland, C.S., J.W. Mjelde, and S. Dharmasena. "U.S. Aggregate Energy Demand System with Pre-commitments." *Energy Policy* 102(2017): 406-413.
- Mjelde, J.W., H. Kim, T.K. Kim, and C.K. Lee. "Estimating Willingness to Pay for the Development of the Korean DMZ World Peace Park." *Geopolitics*.22, 1(2017): 151-175
- Lee, C.K., J.W. Mjelde, and Y.J. Kwon. "Estimating the Economic Impact of Mega Event on Host and Neighboring Regions Using a Regional Input-Output Model." *Leisure Studies* 36, 1(2017): 138-152.
- Duangnate, K., and J.W. Mjelde. "Effects of the Structural Change on Transaction Costs between North America Natural Gas Spot Markets." *Applied Economics* 49, 7(2017): 650-663. <http://www.tandfonline.com/doi/full/10.1080/00036846.2016.1203065>
- Hlavinka, A. J.W. Mjelde, S. Dharmasena, and C. Jerko-Holland. "Understanding and Forecasting the Adoption of an Energy-Efficient Technology." *Energy Economics* 54(2016): 60-67.
- Mjelde, J.W. A. Israel, Y. Jin, R. Dudensing, L. Cherrington, and J. Chen. "Comparisons among Students and General Populations' Willingness to Pay." *Applied Economic Letters* 23, 1 (2016): 74-77.
- Lee, C.K., T.K Kim, and J.W. Mjelde. "Comparison of Preservation Values between Internet and Interview Survey Modes for an Internationally Disputed Territory, Dokdo." *Journal of Environmental Planning and Management* 59, 1(2016): 22-43.
- Rowland, C.S. and J.W. Mjelde. "Politics and Petroleum: Unintended Implications of Global Oil Demand Reduction Policies." *Energy Research & Social Sciences* 11(2016): 209-224.
- Mjelde, J.W., T.K. Kim, and C.K. Lee. "Comparison of Internet and Interview Survey Modes when Estimating Willingness to Pay Using Choice Experiments." *Applied Economics Letters* 23:1(2016):74-77.
- Musumba, M., J.W. Mjelde, and N.C. Adusumilli. "Remittance Receipts and Allocation: A Study of Three African Countries." *Applied Economics*.47, 59(2015): 6375-6389.

- Olsen, K., J.W. Mjelde, and D.A. Bessler. "Integration among the Canadian and United States Natural Gas Markets." *Annals of Regional Science*. 54(2014): 117-142. (DOI) 10.1007/s00168-014-0648-7.
- Lee, C.K., T.K Kim, J.W. Mjelde, "The Carryover Effect of Media on a Mega Event: Ex Post Analysis of the 2012 Expo Yeosu Korea." *Asia Pacific Journal of Tourism Research* 19, 9(2014): 1009-1022.
- Nata, J., J.W. Mjelde, and F. Boadu. "Household Adoption of Soil Improving Practices and Food Insecurity in Ghana." *Agricultural & Food Security* 3:17 (2014) <http://www.agricultureandfoodsecurity.com/content/3/1/17> .
- Amatya, R., J. Wight, J.W. Mjelde, and F. Hons. "Sustainable Bioenergy Sorghum [Sorghum bicolor (L). Munch.] Production for Biofuel and its Net>Returns." *BioEnergy Research* 7(Issue 4, 2014): 1144-1154.2014. Digital Object Identifier (DOI) 10.1007/s12155-014-9451-7
- Jin, Y., J.W. Mjelde, and K.K. Litzenberg. "Economic Analysis of Job-Related Attributes in Undergraduate Students Initial Job Selection." *Education Economics* 22(Issue 3, 2014): 305-327. Online published November 2011. <http://www.tandfonline.com/doi/full/10.1080/09645292.2011.620849>
- Israel Schwarzlose, A., J.W. Mjelde, R. Dudensing, Y. Jin, L. Cherrington, and J. Chen. "Willingness to Pay for Improved Transportation Options for Improving the Quality of Life for the Rural Elderly." *Transportation Research Part A: Policy and Practice*. 61(2014): 1-14.
- Lee, C.K., J.W. Mjelde T.K Kim, and H.M. Lee. "Estimating the Intention-Behavior Gap Associated with a Mega Event: The Case of the Expo 2012 Yeosu Korea." *Tourism Management* 41(2014): 168-177.
- Larsen, R., J.W. Mjelde, J. Wolfley, and D. Klinfelter. "Modeling Alternative Dependence Structures for use in Geographic Diversification." *Agricultural Finance Review* 7, 3(2013): 469-492.
- Lee, C.K., J.W. Mjelde, and T.K. Kim. "Estimating the Effects of Different Admission Fees on Revenues for a Mega-Event Using a Contingent Valuation Method." *Tourism Economics* 19, 1(2013): 147-159. DOI: 10.5367/te.2013.0184
- Park, H.S, J.W. Mjelde, and C.K. Lee. "Dynamic Effects of Macroeconomic Factors on International Tourism Demand." *Tourism Research* 27(4, 2012): 247-270.

- Machingambi, M. and J.W. Mjelde. "Wetlands Ecosystem Services Value in Constructed Wetlands: The Case of the George W. Shannon Wetlands Water Reuse Project." *British Journal of Economics, Management, and Trade* 2(Issue 2 April-June 2012): 100-124. http://www.sciencedomain.org/download.php?f=1340442852-Machingambi-Mjelde_2012BJEMT1397.pdf&aid=511.
<http://www.sciencedomain.org/issue.php?iid=111&id=20>
- Kim, J.Y., J.W. Mjelde, T.K. Kim, C.K. Lee, and K.M. Ahn. "Comparing Willingness-to-Pay Between Residents and Non-residents When Correcting for Hypothetical Bias: Case of Endangered Spotted Seal in South Korea." *Ecological Economics* 78(2012):123-131.
- Mjelde, J.W., Y.H. Jin, C.K. Lee, T.K. Kim, and S.Y. Han. "Development of a Bias Ratio to Examine Factors Influencing Differences in People's Actions." *Journal of Environmental Management* 95(2012): 39-48.
- Griffin, R.C. and J.W. Mjelde. "Distributing Water's Bounty." *Ecological Economics* 72 (15 December 2011): 116-128.
- Wolfley, J.L., J.W. Mjelde, D.A. Klinefelter, and V. Salin. "Machinery Sharing Contractual Issues and Impacts on Cash Flows of Agribusinesses." *Journal of Applied and Resource Economics* 36(1 April 2011): 139-159.
- Mjelde, J.W., K.L. Litzenberg, and J.R. Lindner. "Using Science Curriculum to Teach Decision Making: A Probabilistic Approach." *Journal of Natural Resource and Life Science Education* 40(2011): 36-44.
- Musumba, M., Y. Jin, and J.W. Mjelde. "Factors Influencing International Graduate Students Career Preferences." *Education Economics* 19, 5(2011): 501-517. First published on 04 September 2009 (iFirst) URL: <http://dx.doi.org/10.1080/09645290903102902>.
- Lee, C.K., J.H. Lee, T.K. Kim and J.W. Mjelde. "A Choice Experiment Valuation of Management Alternatives for Reintroduction of the Endangered Korean Goral." *Scandinavian Journal of Forest Research* 25 (Issue 6 2010): 534-543.
- Lee, C.K., S. Moon, and J.W. Mjelde. "Examining the Effects of Changes in Tourism Receipts Associated with World Cup and 9/11 on the Korean Economy." *Tourism Economics* 16(3 September 2010): 611-628(18).
- Lee, C.K., J.H. Lee, T.K. Kim, and J.W. Mjelde. "Preferences and Willingness to Pay for Bird-Watching Tour and Interpretive Services Using a Choice Experiment." *Journal of Sustainable Tourism* 18(5 June 2010): 695-708.
- Lee, C.K., J.H. Lee, J.W. Mjelde, D. Scott, and T.K. Kim. "Assessing the Non-Market Value of a Public Birdwatching Interpretative Service: A Contingent Valuation Method." *International Journal of Tourism Research* 11, 6 (November/December 2009): 583-593.

- Mjelde, J.W. and D.A. Bessler. "Market Integration among Electricity Markets and their Major Fuel Source Markets." *Energy Economics* 31, 3 (May 2009): 482-491.
- Oh, Chi-Ok, A.W. Dixon, J.W. Mjelde, and J. Draper. "Valuing Visitors' Economic Benefits of Public Beach Access." *Ocean and Coastal Management* 51, 12(December 2008): 847-853.
- Lee, C.K., H.J. Song, and J.W. Mjelde. "Forecasting International Tourism Expo Using Quantitative and Qualitative Techniques." *Tourism Management* 29(2008): 1084-1098.
- Lee, C.K, S.A. Park, J.W. Mjelde, T.K. Kim, and J.H. Cho. "Measuring the Willingness-to-Pay for a Horticultural Therapy Site Using a Contingent Valuation Method." *HortScience* 43, 6(2008): 1802-2008.
- Rubas, D., J.W. Mjelde, H.A. Love, and W. Rosenthal. "How Adoption Rates, Timing, and Ceilings affect the Value of ENSO-Based Climate Forecasts." *Climatic Change* 86(February 2008): 235-256.
- Park, H., J.W. Mjelde, and D.A. Bessler. "Price Dynamic Interactions and Discovery among Natural Gas Spot Markets in North American." *Energy Policy* 36(January 2008): 290-302.
- Park, H., J.W. Mjelde, and D.A. Bessler. "Time Varying Threshold Cointegration and the Law of One Price." *Applied Economics* 39(2007): 1091-1105.
- Lee, C.K. and J.W. Mjelde. "Valuation of Ecotourism Resources Using a Contingent Valuation Method: The Case of the Korean DMZ." *Ecological Economics* 63(2007):511-520.
- Mjelde, J.W., K.K. Litzenberg, J.E. Holye, S.R. Holochwost, and S. Funkhouser. "Fires, Floods, and Hurricanes: Is ENSO to Blame?" *Science Scope* 30(March 2007): 38-42.
- Rubas, D., H.S.J. Hill, and J.W. Mjelde. "Economics and Climate Applications: Exploring the Frontier." *Climate Research* 33,1 (December 2006): 43-54
- Holye, J.E., J.W. Mjelde, and K.K. Litzenberg. "Weather to Make a Decision." *Science Scope* 29(February 2006): 24-27.
- Park, H., J.W. Mjelde, and D.A. Bessler. "Price Dynamics Among U.S. Electricity Spot Markets." *Energy Economics* 28(January 2006): 81-101.
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Rubas, D., J.W. Mjelde, and W. Rosenthal. "Adoption of Climate Information by Crop Producers." Presented at the Annual Meetings of the American Society of Agronomy. Seattle, WA., October 31 - November 4, 2004.

Mjelde, J.W. "Rambling Thoughts on Electricity and Climate." Presented at the Southern Plains Regional Integrated Science Assessment (RISA) Workshop. Grapevine, TX. December 12-12, 2003.

- Mjelde, J.W. "Risk Management and Climate Forecasting." Presented at the Human Dimensions of Global Change Principal Investigators Meeting." Seabrook Island, S.C. October 23-25, 2002.
- Mjelde, J.W. and P.J. Lamb. "State of the Science in Integrated Research on Economics and Climate Prediction." Presented at the Climate and Global Change Panel Meeting. Leesburg, VA. September 18-20, 2000.
- Mjelde, J.W. "Value of Improved Information in Agriculture: Weather and Climate Forecasts." Presented at the Southern Region Information Exchange Group-10 (SREIG-10) Annual Meeting, Huntsville, AL. May 20-21, 1999.
- Mjelde, J.W., H.S.J. Hill, and J. Griffith. "A Review of Current Evidence on Climate Forecasts and their Economic Effects in Agriculture: with Emphasis on ENSO." Presented at the 1998 American Agricultural Economics Association Annual Meetings, August 2-5, 1998. Salt Lake City, Utah. *American Journal Agricultural Economics* 80(December 1998): 1080-1095.
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- Mjelde, J. W. R. Dudensing. 2017. "Economic Research Needs Related to Transportation for the Rural Elderly and Disadvantaged." Presented the 64th Annual North American Meetings of the Regional Science Association International, Vancouver, BC, November 8-11.
- Mjelde, J.W. and R. Dudensing. 2016. "Economics of Rural Transportation for Elderly and Disadvantaged Populations: A Review of Recent Research." Presented at the 22nd National Conference on Rural Public and Intercity Bus Transportation, Asheville, NC, October 2-5.
- Mjelde, J.W., R.Dudensing, and J. Brooks. 2016. "USDA Economics & Rural Transportation Research Needs – Open Discussion." Presentation at the 22nd National Conference on Rural Public and Intercity Bus Transportation, Asheville, NC, October 2-5.
- Duangnate, K. and J.W. Mjelde. 2015. "Price Dynamics under Structural Changes with Unknown Break Points within the North American Natural Gas Spot Markets." Presented at the Agricultural and Applied Economics Association's Annual Meeting, San Francisco, CA, July 26-28.

- Binder, K., R. Woodward, and J.W. Mjelde. 2015. "Price Interaction in State Level Renewable Energy Credit Trading Programs." Presented at the Agricultural and Applied Economics Association's Annual Meeting, San Francisco, CA, July 26-28.
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CONTRACTS AND GRANTS

Summary of Grant Funding 14 Different Funding Agencies		
	Grant Amount	Number of Grants
External	2,896,403	27
Internal	271,992	8
Total	3,168,395	35

External Funding

Economics of Rural Transportation for Elderly and Disadvantaged Populations

Sponsor: USDA (2016)
 Amount: \$47,570 – conference grant proposal
 Involvement Investigator

An Analysis of San Antonio’s Water Plan in Relation to the City’s Future Water Needs

Sponsor: City of San Antonio and City of Fair Oaks (October 2014 – February 2015)
 Amount: \$98,096 Dept. AGEC component ≈ \$8,000
 Involvement Co-Principle Investigator

Forecasting Demand for Commercial Space and Energy Efficiency in the Pacific Northwest

Sponsor: Northwest Energy Efficiency Alliance, Inc. (June 2014 – December 2014)
 Amount: \$26,400 all funds for graduate student funding / travel
 Involvement Principle Investigator

Adoption of Energy Efficient Ductless Heat Pumps in the Pacific Northwest

Sponsor: Northwest Energy Efficiency Alliance, Inc. (June 2013 – December 2013)
 Amount: \$15,315 all funds for graduate student funding
 Involvement Co-Principle Investigator

Impacts of Biomass Sorghum Feedstock Production on Carbon Sequestration and Greenhouse Gas Emissions in the South Central Region

Sponsor: USDA (March 2011 - February 2016)
 Amount: \$995,100 joint with Prairie View A&M and TAMU AGEC Component \$110,011
 Involvement Co-Project Director

The Value of Non-Medical Transportation for Improving the Quality of Life for the Rural Elderly: Methodology and Information Considerations

Sponsor: University Transportation Center for Mobility (January 2011 - August 2012)
 Amount: \$119,987
 Involvement: Principal Investigator

America’s Locks and Dams: “A Ticking Time Bomb for Agriculture?”

Sponsor: United Soybean Board (March 2011 – December 2011)
 Amount: \$138,900
 Involvement Co-Principle Investigator

Public Values of Private Lands

Sponsor: American Farmland Trust (September 2007 - August 2008)

Amount: \$38,000 (Department Agricultural Economics Component)
 Involvement: Co-Principal Investigator

Integrated Ecological Assessment of Antigua and Barbuda: Identification of Management Options (2007 and 2008)

Sponsor: Stanford Development Group – pre-proposal funding
 Amount: \$31,000 (Department Agricultural Economics Component)
 Involvement: Co-Principal Investigator

Climate Information for Managing Risk through Agricultural Land and Machinery Contractual Arrangements

Sponsor: National Oceanic and Atmospheric Administration (June 2004-September 2008)
 Amount: \$187,501 (A&M's component)
 Involvement: Co-Principal Investigator

Effect of Climate Change, Forest Certification, Biotechnology and Industrial Concentration on the U.S. Forest Products Industry and Trade

Sponsor: USDA CSREES (August 2003 - August 2006)
 Amount: \$175,000
 Involvement: Co-Principal Investigator

Development of Climate Forecasts Decision Making Teaching Materials for Junior High School Teachers and Students

Sponsor: National Oceanic and Atmospheric Administration (May 2003-April 2006)
 Amount: \$229,874
 Involvement: Principal Investigator

Potential Effect of Seasonal Climate Forecasts on the Competitiveness in the World Wheat Market

Sponsor: U.S. Department of Agriculture (August 2000 - July 2002)
 Amount: \$100,000
 Involvement: Principal Investigator

Economic Viability of Rangeland Based Ranching Enterprises

Sponsor: National Oceanic and Atmospheric Administration (June 1999 - May 2000)
 Amount: \$101,637
 Involvement: Principal Investigator

Global Climate Systems - Seed Grant

Sponsor: National Science Foundation (1999)
 Amount: \$50,000 in conjunction with the University of Oklahoma and University of California at San Diego
 Involvement: Co-Principal Investigator

The Economics of Alternative Solid Waste Management Approaches: Estimation of Costs and Benefits

Sponsor: The Brazos Valley Council of Governments in Cooperation with the Texas Natural Resource Conservation Commission
 Amount: \$14,394 - in conjunction with the City of Bryan
 Involvement: Co-Principal Investigator

Food and Agricultural Sciences National Needs Graduate Fellowship Grants Program

Sponsor: U. S. Department of Agriculture - CSREES (September 1, 1996 - August 31, 2000 - all for graduate student support)
 Amount: \$108,000
 Involvement: Project Director

Effects of Seasonal Climate Forecasts on the Competitiveness in the Grain Market

Sponsor: National Oceanic and Atmospheric Administration (April 1, 1996 - May, 1999)
 Amount: \$214,815
 Involvement: Principal Investigator

Valuing and Managing Water Supply Reliability

Sponsor: Texas Water Development Board (September 1, 1995 - August 31, 1996)
 Amount: \$38,920
 Involvement: Co-Principal Investigator

Assessing the Economic Impacts of Improved Climate Forecasts at a National Level

Sponsor: National Oceanic and Atmospheric Administration (May 1, 1995 - April 30, 1996)
 Amount: \$64,570
 Involvement: Principal Investigator

Examination of the Effect of the Southern Oscillation on Sorghum Yields in Australia

Sponsor: Cooperative Institute for Mesoscale Meteorological Studies (September 1994 - January 1995)
 Amount: \$6,500 all for graduate student funding (noncompetitive)
 Involvement: Principal Investigator

Examination of the Effect of the Southern Oscillation on Sorghum Yields

Sponsor: Cooperative Institute for Mesoscale Meteorological Studies
(February 1993 - January 1994)
Amount: \$12,000 all for graduate student funding (noncompetitive)
Involvement: Principal Investigator

Government Institutional Effects on the Value of Seasonal Climate Forecasts

Sponsor: National Oceanic and Atmospheric Administration (September 1,
1993 - August 31, 1995)
Amount: \$52,638
Involvement: Principal Investigator

Climate Prediction Design for Northeast Australian Grain Sorghum Production

Sponsor: National Science Foundation ATM INT91-96195 (1991 - 1995)
Amount: \$18,186
Involvement: Senior Scientist - Headquartered at University of Oklahoma

Climate Prediction, Climate Change and Agriculture

Sponsor: National Science Foundation (1990 - 1995)
Involvement: Senior Scientist - Headquartered at University of Oklahoma

Econo-Rice

Sponsor: Texas Rice Research Foundation (September 1986 -1990)
Involvement: Cooperating Scientist

Economics of Rice Stink Bug Management in Texas

Sponsor: Uncle Ben's Inc. (June 6, 1988 - August 31, 1988)
Amount: \$2,000
Involvement: Co-Investigator

Design of Growing Season Climate Forecasts for Midwestern Agriculture

Sponsor: National Science Foundation ATM 82-13734 (September 1983 -
August 1985)
Involvement: Graduate Student Research Assistant

Estimation of the Cost of Ozone on Illinois Cash Grain Farms: An Application of Duality

Sponsor: U.S. Environmental Protection Agency Grant CR-810357-01-1
(September 1982 - August 1983)
Involvement: Graduate Student Research Assistant

Internal Funding

Cropping Systems Program - FY 2008-2009 - Agronomic Management Systems for Sustainable Bioenergy Crop Production

Sponsor: TAES (September 2007 - August 2009)
 Amount: \$16,000 (Department of Agricultural Economics Component)
 Involvement: Co-Principal Investigator

Research Enhancement Program - Integrating Ecological Economic and Hydrological Models to Evaluate Impacts of Land Use Strategies on Water Management in the Nueces River Basin

Sponsor: TAES (January 1, 1996 - August 31, 1997)
 Amount: \$37,060
 Involvement: Principal Investigator

Research Enhancement Program - The Effects of Environmental Policies on Texas Private Landowners

Sponsor: TAES (September 1, 1991 - August 31, 1993)
 Amount: \$32,382
 Involvement: Co-investigator

Expanded Research - Integration of Exotic Game into the Ranching Industry

Sponsor: TAES (September 1, 1989 - August 31, 1991)
 Amount: \$39,950
 Involvement: Principal Investigator

Expanded Research - Modeling Forest Landowner Behavior and Subsequent Forest Outputs in East Texas

Sponsor: TAES (September 1, 1989 - August 31, 1991)
 Amount: \$30,000
 Involvement: Co-Investigator

Expanded Research - Development of a Biotic and Economic Assessment Model of the Impact of a Key Insect Pest on Semi-dwarf Rice

Sponsor: TAES (September 1, 1989 - August 31, 1991)
 Amount: \$40,600
 Involvement: Co-Investigator

Expanded Research - Corn and Grain Sorghum Genotypic Response to Planting Date, Fertility Level, and Irrigation

Sponsor: TAES (September 1, 1987 - August 31, 1989)
 Amount: \$26,000
 Involvement: Co-Principal Investigator

Expanded Research - Profit Implications of Corn Cropping Systems

Sponsor: TAES (September 1, 1985 to August 31, 1987)
 Amount: \$50,000
 Involvement: Co-Principal Investigator