

## PROFESSIONAL APPOINTMENTS

Associate Director, Nebraska Water Center (2023 - present)  
Professor, University of Nebraska at Lincoln, Department of Agricultural Economics (2023 - present)  
Associate Professor, University of Nebraska at Lincoln, Department of Agricultural Economics (2018 - 2023)  
Associate Professor, University of Nebraska at Lincoln, joint appointment in the Department of Agricultural Economics (70%) and the School of Natural Resources (30%) (2015 - 2018)  
Daugherty Water for Food Global Institute Faculty Fellow (2014 - present)  
Assistant Professor, University of Nebraska at Lincoln, joint appointment in the Department of Agricultural Economics (70%) and the School of Natural Resources (30%) (2008 - 2015).  
Assistant Professor, University of Nebraska at Lincoln, joint appointment in the School of Natural Resources (70%) and the Department of Agricultural Economics (30%) (2005 - 2008).

## RESEARCH AND TEACHING INTERESTS

Environmental and natural resource economics, water resource economics, natural resource pricing, adoption of conservation technology, agricultural economics, applied econometrics

## DEGREES

PhD University of California at Berkeley. Agricultural & Resource Economics. 2005.  
MS University of California at Berkeley. Agricultural & Resource Economics. 2001.  
BS University of Wisconsin at Madison. Mathematics & Economics. 1998.

## REFEREED PUBLICATIONS

Khanal, B., T. Mieno, K. Schoengold, and D.S. Bullock (2025) "Using Precision Conservation to Target Land Retirement: Incorporating spatially variable profit and crop insurance premiums" (Accepted for publication at *Science of the Total Environment*), DOI: <https://doi.org/10.1016/j.scitotenv.2025.179315>.

Mavroutsikos, C., K. Schoengold, A. Yiannaka, S. Banerjee, K. Giannakas, and T. Awada (2025) "The Role of Spatially Varying Descriptive Norms on Public Valuation of Ecosystem Services Associated with Improved Soil Health: A Discrete Choice Experiment on Nudging" (Accepted for publication at *Journal of Agricultural and Resource Economics*), DOI: 10.22004/ag.econ.356159.

Spor Leal, L., T. Roy, D. Uden, K. Schoengold (2024) "Hydrological Impacts of the Conservation Reserve Program - A Mini Review", *Frontiers in Water*, DOI: 10.3389/frwa.2024.1506255.

Madin, M., K. Nelson, K. Fatema, K. Schoengold, A. Dalal, I. Onyekwelu, R. Rayan, S.S. Norouzi (2024) "Synthesis of current evidence on factors influencing the suitability of synthetic biodegradable mulches for agricultural applications: a systematic review", *Journal of Agriculture and Food Research*, DOI: <https://doi.org/10.1016/j.jafr.2024.101095>.

Suter, J., T. Guilfoos, and K. Schoengold (2023) "Seasons, Stress, Salience, and Support for Cooperative Groundwater Management", *Journal of the Agricultural and Applied Economics Association*, DOI: <https://doi.org/10.1002/jaa2.78>.

Khanal, B., K. Schoengold, T. Mieno, and L. Schulte Moore (2022) "The Impact of Policy Design on Willingness to Pay for Ecosystem Services from Prairie Strips" *Journal of the Agricultural and Applied Economics Association*, available online 21-SEP-2022, DOI: <https://doi.org/10.1002/jaa2.33>.

Alhassan, M., C. Gustafson, and K. Schoengold (2022) "Effects of Information Framing on

- Smallholder Irrigation Farmers' Willingness to Pay for Groundwater Protection: The Case of Veolia Irrigation Scheme in Ghana", *Agricultural Economics*, available online 14-JAN-2022, DOI: <https://doi.org/10.1111/agec.12695>.
- Suchato, P., T. Mieno, K. Schoengold, and T. Foster (2021) "The Potential for Moral Hazard Behavior in Irrigation Decisions under Crop Insurance" *Agricultural Economics*, available online 30-AUG-2021, DOI: <https://doi.org/10.1111/agec.12676>.
- Riley, D., T. Mieno, K. Schoengold, and N. Brozović (2019) "The Impact of Land Cover on Groundwater Recharge in the High Plains: An application to the Conservation Reserve Program", *Science of The Total Environment* 696: 133871.
- Silva, F., L. Fulginiti, R. Perrin, and K. Schoengold (2019) "The Effects of Irrigation and Climate on the High Plains Aquifer: A County-Level Econometric Analysis", *JAWRA Journal of the American Water Resources Association*, 55(5), 1085-1101.
- Khachatryan, M. and K. Schoengold (2019) "Applying Interconnected Game Theory to Analyze Transboundary Waters: A Case Study of the Kura-Araks Basin" *Water Economics and Policy* 5(1): 1-32.
- Bhattacharya, S., K. Giannakas, and K. Schoengold (2017) "Market and Welfare Effects of Renewable Portfolio Standards in United States Electricity Markets" *Energy Economics*, 64: 384-401.
- Sun, S., J.P. Sesmero, and K. Schoengold (2016) "The Role of Common Pool Problems in Irrigation Inefficiency: A Case Study in Groundwater Pumping in Mexico" *Agricultural Economics*, 47(1): 117-127, available online 7-JAN-2016, DOI: 10.1111/agec.12214.
- Azzam, A., G. Nene, and K. Schoengold (2015) "Hog Industry Structure and the Stringency of Environmental Regulation", *Canadian Journal of Agricultural Economics*, 63(3): 333-358, available online: 25-Sep-2014 at DOI: 10.1111/cjag.12053. (Results of this study were reported by the Associated Press).
- Schoengold, K., Y. Ding, and R. Headlee (2015) "The Impact of Ad hoc Disaster and Crop Insurance Programs on the Use of Risk Reducing Conservation Tillage Practices", *American Journal of Agricultural Economics*, 97(3): 897-919, available online: 9-Sep-2014 at DOI: 10.1093/ajae/aau073.
- Schoengold, K. and D. Zilberman (2014) "The Economics of Tiered Pricing and Cost Functions: Are Equity, Cost Recovery, and Economic Efficiency Compatible Goals?", *Water Resources and Economics*, available online: 25-JUL-2014 at <http://dx.doi.org/10.1016/j.wre.2014.07.002>
- Schoengold, K. and D. L. Sunding (2014) "The Impact of Water Price Uncertainty on the Adoption of Precision Irrigation Systems" *Agricultural Economics* 45(6): 729-743, available online: 1-APR-2014, DOI: 10.1111/agec.12118
- Schoengold, K., P. Shrestha, and M. Eiswerth (2013) "The Joint Impact of Drought Conditions and Media Coverage on the Colorado Rafting Industry" *Journal of Natural Resources Policy Research* 5(2-3): 183-198.
- Zhang, Z. and K. Schoengold (2011), "Carbon Emissions Control Policies in China's Power Generation Sector" *China Agricultural Economic Review* 3(3).
- Ding, Y., K. Schoengold, and T. Tadesse (2009), "The Impact of Weather Extremes on Agricultural Production Methods: Does drought increase adoption of conservation tillage practices?" *Journal of Agricultural and Resource Economics* 34(3): 395-411.
- Schoengold, K., D. L. Sunding, and G. Moreno (2006), "Price elasticity reconsidered: Panel estimation of an agricultural water demand function", *Water Resources Research*, 42, W09411, doi:10.1029/2005WR004096.
- Schoengold, K., and D. Zilberman (2005), "The Use of Pricing and Markets for Water Allocation", *Canadian Water Resources Journal* 30(1): 47-54.

Schoengold, K., and D. Zilberman (2002), "Creating Incentives for Sustainable Water Use", *GAIA - Ecological Perspectives for Science and Society* 11(3): 197-200.

## GRANTS

- "Hydrological Outcomes of the Conservation Reserve Program in Water-stressed High Plains Watersheds" (2023 - 2028), \$1.0 million (My position: co-PI), USDA-FSA.
- "Nitrogen in Water, Agriculture, Technology, and Environmental Research (N-WATER) in a changing climate" (2023 - 2024), \$19,984 (My position: co-PI), Nebraska EPSCoR program.
- "Assessing Producer Preferences for Conservation Program Participation and Ecosystem Service Provision" (2022 - 2024), \$35,000 (My position: PI), Daugherty Water for Food Global Institute, student support grant program.
- "BioWRAP (Bioplastics With Regenerative Agricultural Properties): Spray-on bioplastics with growth synchronous decomposition and water, nutrient, and agrochemical manufacturing" (2022 - 2026), \$6.0 million (\$1.8 million for UNL share) (my position: project co-PI and UNL PI) (PI: V. Sharda, Kansas State University), NSF EPSCoR RII Track-2.
- "Assessing Producer Preferences for Conservation Program Participation and Ecosystem Service Provision" (2021 - 2026), \$187,096, University of Nebraska Agricultural Research Division (my position: project PI).
- "Prairie Strips Valuation" (2018 - 2020), \$91,000, (my position: UNL PI) (PI: Lisa Schulte Moore, Iowa State University).
- "Sustaining Agriculture through Adaptive Management Resilient to a Declining Ogallala Aquifer and Changing Climate" (2016 - 2021), (PI: Meaghan Schipanski, Colorado State University), USDA-CAP project.
- "The Effects of Institutions and Hydrological Conditions on Optimal Management of a Shared Aquifer: a case study of the High Plains" (2017 - 2019), \$32,195 (My position: PI), Daugherty Water for Food Global Institute, student support grant program.
- "Groundwater Availability" (2015 - 2019), \$130,000 (my position: co-PI) (PI: Nicholas Brozović), USDA-ERS Cooperative Agreement.
- "The Economics of Wetland Restoration" (2015 - 2019), \$39,000 (my position: co-PI) (PI: Andy Bishop, Rainwater Basin Joint Venture), Nebraska Natural Legacy Project Innovation Grant.
- "Water Management Strategies for Addressing Long-Term Drought and Climate Uncertainty" (Conference Grant for an October 2015 conference), USDA-AFRI: Water for Agriculture, August 2014, \$49,534. (PI: Nancy Mesner, other co-PIs Kristiana Hansen, Ginger Paige, Blair Stringam, Jordan Suter).
- "The Effects of Institutions and Hydrological Conditions on Optimal Management of a Shared Aquifer: a case study of the High Plains" (2014 - 2019), \$397,212 (My position: PI), University of Nebraska Hatch-Multistate Research Grant (competitive RFA).
- "Development of an Integrated Economic Hydrologic-Ecologic Framework for Resilient Surface Water-Groundwater Management" (2012 - 2014), \$147,260 (My position: co-PI) (PI: Nicholas Brozović), NSF-USDA Water Sustainability and Climate.
- USDA-NIFA Policy Research Grant: CAFIO-PRG (2012-2015), \$766,166 (My position: co-PI) Project title: "Reducing Impediments to Managing Climate Risk for Heterogeneous Farms"

- US Geological Survey 104(b) (2012-2013), \$29,671 (My position: PI) Project title: "Analysis of Potential Groundwater Trading Programs for Nebraska" (joint with Nicholas Brozović)
- University of Nebraska Water for Food Institute (2011-2013), \$100,000 (My position: co-PI) Project title: "Option Values and the Sustainable Management of the High Plains Aquifer for Food Production and Ecosystem Services" (joint with Lilyan Fulginiti, Richard Perrin, John Gates, Bridget Scanlon)
- University of Nebraska Agricultural Research Division (2010-2014), \$59,931 (My position: PI) Project title: "Managing Climate Risk in Agriculture with Conservation Production Practices: The Role of Government Programs"
- University of Nebraska IANR Travel Grant (2010 - 2012), \$500/year
- University of Nebraska Agricultural Research Division (2007-2010), \$39,876 (My position: co-PI) Project title: "The Impact of Weather Extremes on Agricultural Production Methods: Does drought increase adoption of conservation tillage practices?" (joint with Dr. Ya Ding and Dr. Tsegaye Tadesse).
- USDA-CSREES (2005-2009), \$335,000 (My position: co-PI), Project title: "Pollution and economic decision support tool for impaired watershed management plans in eastern Nebraska" (joint with Dr. Martha Mamo, Dr. Charles Wortmann, and Dr. Daniel Ginting)
- NOAA (2006-2010), \$300,000 (My position: collaborator) Project Title: "Estimating the Impacts of Complex Climatic Events: the Economic Costs of Drought in Colorado, Nebraska, and New Mexico." (joint with Dr. Michael Hayes, Dr. Donald Wilhite, Dr. Ya Ding, and Dr. Ray Supalla)
- University of Nebraska IANR Travel Grant (2006), \$800
- University of California Graduate Division Travel Grant (2004), \$500
- Giannini Foundation of Agricultural Economics Research Grant, "Economics of Water Conservation in Agriculture" (2003-2004), \$20,000

## REFERRED BOOK CHAPTERS

- "Lessons to be Learned from Groundwater Trading in Australia and the United States" (with Sarah Wheeler and Henning Bjornlund), (2016), *Integrated Groundwater Management: Concepts, Approaches and Challenges*. eds. A.J. Jakeman, O. Barreteau, R.J. Hunt, J.D. Rinaudo, and A. Ross, Springer International Publishing.
- "Energy Prices, Biofuels and Irrigated Agriculture" (with Thomas Sproul and David Zilberman) (2010), *Incentive and Instruments for Sustainable Irrigation*. ed. Henning Bjornlund, WIT Press.
- "Water Resource Management and the Poor" (with Petra Hellegers and David Zilberman) (2008), *Economics Of Poverty, Environment And Natural-Resource Use*, eds. Rob B. Dellink and Arjan Ruijs, Springer Publishing.
- "Creating Incentives for Sustainable Water Use" (with David Zilberman) (2008), *Mountains: Sources of Water, Sources of Knowledge*, ed. Ellen Wiegandt, Kluwer Academic Press.
- "The Economics of Water, Irrigation, and Development" (with David Zilberman) (2007), *Handbook of Agricultural Economics: Volume 3*, eds. Robert Evenson and Prabhu Pingali, Elsevier Science Publishers.
- "Economics of Water Quality and Agriculture" (with David Zilberman). In: K. Parris and P.K. Jung (Eds), *Agricultural Water Quality and Water Use: Developing Indicators for Policy Analysis*. Proceedings of an OECD Expert Meeting - Gyeongju, The Republic of Korea (October 2003).

## WORKING PAPERS

- “Risk Preferences in Grain Marketing: A context-rich lab experiment focusing on Safety-First Preferences” (with S. Kotsakou, C. Walters, and S. Banerjee) (Resubmitted at *Agricultural Finance Review*)
- “Soil Conservation Hits Home: Locational Preferences in Public Willingness to Pay for Spatially Heterogeneous Ecosystem Services” (with L. Awada, S. Banerjee, A. Yiannaka, C. Mavroutsikos, K. Giannakas, T. Awada) (Submitted)
- “From Providers to Buyers: Valuing Soil Health Associated Ecosystem Services among Agricultural Producer Households” (with K. Essakkat) (Submitted)
- “The impacts of water allocation limits on irrigation behavior” (with T. Mieno) (In preparation for submission)
- “Predicting Groundwater Trade Participation” (with E. Juchems, T. Mieno, R. Rimšaitė, and N. Brozović)
- “Should Water Conservation Policies adjust to Weather Patterns? Evidence from Mexico” (with D. Jeong and J. Sesmero)

## OTHER PUBLICATIONS

### Invited Publications

- “Nitrate Contamination in Nebraska’s Drinking Water: Overview of challenges and management” (with D. Harshanee Jayasekera, Crystal Powers, J. David Aiken, and Renata Rimšaitė), *The Water Report* (2024).
- “The Future of Groundwater Management in Nebraska and the High Plains: Evolving institutions, aquifers, and regulations” (with Nicholas Brozović), *Western Economic Forum* (2018).
- “Groundwater Laws Across the Ogallala Aquifer Region” (with Bridget Guerrero, Bill Golden, Jordan Suter, Art Stoecker, Chris Goemans, and Dale Manning) *Colorado Water* (November/December 2017).
- Book Review of “K. Burnett, R. Howitt, J. A. Roumasset and C. A. Wada, eds. *Routledge Handbook of Water Economics and Institutions*. London and New York: Routledge, 2015.” (2015) *Water Economics and Policy* 1(4).
- Book Review of “Molle, F. and J. Berkoff, eds. *Irrigation Water Pricing: The Gap Between Theory and Practice*. CABI Publishing, 2007” (2010) *American Journal of Agricultural Economics* 92(5): 1497-1498.
- “Using Numerical Methods to Address Water Supply and Reliability Issues: Discussion” (with Jeffrey Peterson) (2008) *American Journal of Agricultural Economics* 90: 1350-1351.
- “Agricultural Water Demand and the Gains from Irrigation Precision Technology” (with David L. Sunding and Georgina Moreno), *ARE Update* 7:5 (May/June 2004).

### Extension Publications

- “The Economic Feasibility of Variable Rate Irrigation Technology for Wetland Restoration” (with Hannah P. Jones), *NebGuide G2318*, University of Nebraska Extension (2019).
- “Soil-Erosion Economic Decision Support Tool (SEE-DST) for Land Management in Nebraska” (with Martha Mamo, Daniel Ginting, and Charles Wortmann) (2009) *University of Nebraska Lincoln Extension* Publication EC169.

### Cornhusker Economics

- “How Much Green to Keep the Garden Clean? An Analysis of the Willingness to Pay (WTP) of Home Gardeners for BioWRAP Technology” (with G. Cai and K. Fatema), *Cornhusker Economics* (August 2024).

- "Seasons, Stress, Salience, and Support for Cooperative Groundwater Management" (with J. Suter and T. Guilfoos), *Cornhusker Economics* (August 2023).
- "Assessing Determinants of Participation in Conservation Programs in the U.S." (with M. Ale, S. Banerjee, and T. Mieno), *Cornhusker Economics* (August 2023).
- "Role of Social Network on Technology Adoption: Application to Nebraska Producers in the Face of Undesirable Vegetation Transitions" (with S. Gulab, H.K. Nesbitt, S. Banerjee, and T. Floyd), *Cornhusker Economics* (January 2023).
- "The Impact of Policy Design on Willingness to Pay For Ecosystem Services from Prairie Strips " (with B. Khanal, T. Mieno, and L. Schulte Moore), *Cornhusker Economics* (December 2022).
- "Commodity Prices, Climate and High Plains Aquifer" (with F. Silva, L. Fulginiti, and R. Perrin), *Cornhusker Economics* (March 2022).
- "The Potential for Moral Hazard Behavior in Irrigation Decisions Under Crop Insurance" (with P. Suchato, T. Mieno, and T. Foster), *Cornhusker Economics* (August 2021).
- "Market and welfare effects of renewable portfolio standards in United States electricity markets" (with Suparna Bhattacharya and Konstantinos Giannakas) *Cornhusker Economics* (August 2017).
- "Do Hypothetical Choices Indicate True Risk Preferences? A comparison of stated and revealed data on decisions over risky outcomes" (with Sankalp Sharma) *Cornhusker Economics* (August 2016).
- "The Roles of Cost Sharing Rules and Well Sharing in Irrigation Inefficiency: A Case Study in Groundwater Pumping in Mexico" (with Shanxia Sun and Juan Pablo Sesmero) *Cornhusker Economics* (July 2015).
- "Does Environmental Regulation Hinder Hog Production Expansion? The Answer is More Complicated than the Question" (with Azzeddine Azzam and Gibson Nene) *Cornhusker Economics* (September 2014).
- "Predicting Groundwater Trading in the Upper Republican Natural Resource District" (with Elizabeth M. Juchems) *Cornhusker Economics* (April 2013).
- "Analysis of Potential Groundwater Trading Programs for Nebraska" *Cornhusker Economics* (May 2012).
- "The Potential for Transboundary Water Resource Agreements: An application to the Kura-Araks river basin" (with Marianna Khachatryan) *Cornhusker Economics* (June 2011).
- "Input Price Risk and the Adoption of Conservation Technology" *Cornhusker Economics* (October 2010).
- "Tiered Pricing and Cost Functions: Are Equity, Cost Recovery and Economic Efficiency Compatible Goals?" *Cornhusker Economics* (April 2010).
- "Variation of Environmental Regulation Stringency Among the Top Ten U.S. Hog Producing States" (with Gibson Nene) *Cornhusker Economics* (January 2009).
- "Potential Economic Impact of Drought on Rafting Activity" (with Prabhakar Shrestha) *Cornhusker Economics* (April 2008).
- "The Impact of Weather Extremes on Agricultural Production Methods: Do Extreme Weather Events Increase Adoption of Conservation Tillage Practices?" *Cornhusker Economics* (August 2007).
- "A Global View on Irrigation Development" *Cornhusker Economics* (April 2007).
- "Adaptive Management, Economic Realities, and the Platte River Cooperative Agreement" *Cornhusker Economics* (August 2006).

## Other

- "Natural Resource Pricing, Allocation, and Capital Investment", Ph.D. Dissertation, Department of Agricultural and Resource Economics, University of California, Berkeley (2005).

## INVITED PRESENTATIONS

Purdue University (November 2023)  
 WAEA Presidential Address (July 2023)  
 University of California, Berkeley (April 2023)  
 Mississippi State University (February 2023) (postponed from 2020 due to COVID)  
 NBER conference discussant for "Economic Perspectives on Water Resources, Climate Change, and Agricultural Sustainability" (May 2022)  
 Class presentation (virtual) at Utah State University (November 2021, March 2024, March 2025)  
 University of Rhode Island (April 2018)  
 Rainwater Basin Joint Venture Informational Seminar (February 2018)  
 Nebraska Association of Resource Districts Legislative Conference (January 2018)  
 Water Resources Advisory Panel, University of Nebraska (January 2017)  
 Oregon State University (April 2016)  
 Michigan State University (March 2016)  
 University of Nebraska Extension Eureka! Conference (March 2016)  
 OLLI course presentation on Nebraska water issues in "Nebraska's Agricultural Economy" (February 2016)  
 Nebraska Water Leaders Academy (May 2013, May 2014, September 2015)  
 EPA-USDA National Workshop on Water Quality Markets (September 2015)  
 McGrath North Agribusiness and Food Conference "The Water Gates: Water Rights and Water Valuation" panel (May 2014)  
 Kansas State University (April 2013)  
 Interviewed by Henry Rollins for Capitalism Tour (October 2012)  
 Council of Producers and Distributors of Agrotechnology - 2012 Adjuvants and Inerts Annual Conference (Kansas City, Missouri, May 2012)  
 Heartland Transatlantic Conference on Food and Fuels (Lincoln, Nebraska, October 2011)  
 Nebraska Department of Natural Resources (October 2011)  
 Council of Producers and Distributors of Agrotechnology - 2011 Annual Adjuvants and Inerts Conference (Minneapolis, Minnesota, May 2011)  
 Holdrege Water Conference (January 2009)  
 Nebraska Water Resources Association/Nebraska State Irrigators Association Meeting (November 2008)  
 Nebraska Natural Resource Commission Meeting (May 2008)  
 Nebraska Water Law Continuing Legal Education (CLE) Conference (May 2008)  
 Iowa State University (April 2007)

## CONFERENCE PRESENTATIONS

"Surviving the Promotion and Tenure Process" (part of the CWAE track session on Promotion and Tenure), *Agricultural and Applied Economics Association Annual Meeting*, New Orleans, LA (July 2024).  
 "Comparing Willingness to Pay for Ecosystem Services between Potential Buyers and Sellers: A Focus on Soil Health", *Agricultural and Applied Economics Association Annual Meeting*, New Orleans, LA (July 2024)  
 "Estimating the Impact of Groundwater Allocations on Irrigation Behavior and Energy Use:

- Implications for Groundwater Policy Design". *University Council on Water Resources*, Fort Collins, CO (June 2023)
- "Measuring the Value of Ecosystem Services Generated from Soil Health Improvements across Space", *Agricultural and Applied Economics Association Annual Meeting: ENV & AERE joint track session*, Anaheim, CA (August 2022)
- "Comparing Actual and Predicted Groundwater Trading: the role of transaction costs and trading restrictions", *University Council on Water Resources*, Fort Collins, CO (June 2017).
- "Environmental Regulations and the Structure of the US Hog Industry", *Western Agricultural Economics Association Annual Meeting*, Colorado Springs, CO (June 2014)
- "Predicting Groundwater Trading Participation in the Upper Republican Natural Resource District", *Nebraska Water Center: Water Symposia*, University of Nebraska (October 2013).
- "The Impact of Ad-hoc Disaster Payments on the Use of Conservation Practices", *Heartland Environmental and Resource Economics Workshop*, University of Illinois at Urbana-Champaign (October 2011), *Western Agricultural Economics Association Annual Meeting* (June 2012), *Agricultural and Applied Economics Association Annual Meeting* (August 2012).
- "Input Price Risk and the Adoption of Conservation Technology", *World Congress of Environmental and Resource Economists* (June 2010), *Heartland Environmental and Resource Economics Workshop* (October 2010), *International Water Resource Economics Consortium* (June 2011), *Agricultural and Applied Economics Association Annual Meeting* (July 2011).
- "The Economics of Tiered Pricing and Cost Functions: Are Equity, Cost Recovery, and Economic Efficiency Compatible Goals?", *European Association of Environmental and Resource Economists Annual Meeting*, VU University, Amsterdam, Netherlands (June 2009), *Association of Environmental and Resource Economists First Annual Meeting*, Seattle, Washington (June 2011), *International Water Resource Economics Consortium* Stockholm, Sweden (August 2012).
- "Irrigated Agriculture in an Era of High Energy Prices", *Sustainable Irrigation 2008: Management, Technologies, and Policies*, University of Alicante, Spain, June 2008.
- "The Impact of Weather Extremes on Agricultural Production Methods: Does drought increase adoption of conservation tillage practices?", *Heartland Environmental and Resource Economics Workshop* (September 2007), *American Agricultural Economics Association (AAEA) Annual Meeting* (July 2007).
- "Price Elasticity Reconsidered: Panel estimation of an agricultural water demand function", *Water Resources Research Initiative Water Colloquium*, University of Nebraska, October 2006.
- "The Economics of Cost Functions, Tiered Pricing, and Equity Implications", *Heartland Environmental and Resource Economics Workshop* (September 2006), *Third World Congress of Environmental and Resource Economists* (July 2006).
- "Reconciling Adaptive Management and Economic Realities", *Adaptive Management for Resilient Water Resources*, University of Nebraska, Lincoln (Third Annual Water Law, Policy and Science Conference), May 2006.
- "Historical Water Allocation, Water Trading, and Technology Choice", *Water Use Conflicts and the Future of North State Water Resources Conference*, California State University, Chico, April 2005.
- "Is Equity a Constraint? Applications to Block Rate and Other Pricing Schemes with Heterogeneous Users", *American Agricultural Economics Association (AAEA) Annual Meeting*, Denver, Colorado, August 2004.
- "Panel Estimation of a Water Demand Function Based on an Episode of Rate Reform", *American Agricultural Economics Association (AAEA) Annual Meeting*, Denver, Colorado, August 2004.
- "An Analysis of Short-Run and Long-Run Effects: How Do Water Demand and Land Allocation



Respond to Water Price Changes?" *First Latin-American Congress of Environment and Resource Economists (ALEAR)*, Cartagena, Colombia, July 2003.

"How Does Water Price Affect Land Use Choices? An Examination of the Short-Run and Long-Run Effects", poster session, *Chapman Meeting on Ecosystem Interactions with Land Use Changes*, (American Geophysical Union), Santa Fe, New Mexico, June 2003.

## TEACHING

*University of Nebraska. School of Natural Resources:*

Undergraduate: 'Natural Resource Policy' (2006-2017).

*University of Nebraska. Department of Agricultural Economics:*

Undergraduate: 'Resource and Environmental Economics II' (2021-present)

Graduate: 'Environmental and Natural Resource Economics' (two-course sequence) (2007-present).

*University of California at Berkeley. Ag & Resource Economics:* Undergraduate: Teaching Assistant for 'Natural Resource Economics' (2001, 2004), 'Environmental Economics' (2002), and 'Water Resource Economics' (2003).

## WORK EXPERIENCE

*Survey Design and Data Collection*, Instituto Nacional de Ecología, Mexico City: 2003. Assisted with designing a survey of agricultural producers. Spent one month with data collection teams.

*Staff Economist*, Christensen Associates, Madison, Wisconsin: 1998 - 2000. Designed and analyzed surveys of postal facilities to provide support for U.S. Postal Service rate cases. Completed quarterly and annual reports of the composition of mail and the associated costs. Programming work as a consultant for the U.S. Postal Service.

## PROFESSIONAL SERVICE AND ADDITIONAL INFORMATION

Professional Associations:

- President-Elect/President/Past President, Western Agricultural Economics Association, 2022-2025.
- Chair-Elect/Chair/Past Chair, Land, Water, and Environmental Economics (ENV) AAEA Section, 2020-2023.
- Secretary/Vice Chair/Chair of W-2190 Multi-state Hatch Project "Water Policy and Management Challenges in the West", 2011-2014.
- Director, Executive Council, Western Agricultural Economics Association, 2012-2015.
- Council Member, Executive Council, Western Agricultural Economics Association, 2008-2012.
- Topic Leader for the AAEA Annual Meetings, 2012-2013.
- Member of Distinguished Scholar Award Committee, Western Agricultural Economics Association, 2013.
- Member of WAEA Master's Thesis Award Committee, 2020.
- Member of WAEA Outstanding Published Research Award Committee, 2019.
- Member of WAEA Graduate Paper Competition Committee, 2018, 2022.
- Member of AAEA Doctoral Dissertation Award Subcommittee, 2015-2018.
- Abstract reviewer for: AAEA Annual Meeting (2007-present), WAEA Annual Meeting (2006, 2013, 2018, 2022)

- Member of W-4190 Multi-state Hatch Project “Management and Policy Challenges in a Water-Scarce World ”, 2019-2024.
- Member of W-3190 Multi-state Hatch Project “Management and Policy Challenges in a Water-Scarce World”, 2014-2019.
- Member of W-2190 Multi-state Hatch Project “Water Policy and Management Challenges in the West”, 2011-2014.

#### Professional Journals:

- Policy Nook Editor, *Water Economics and Policy*, 2024-present.
- Associate Editor, *Journal of Water Resources Planning and Management*, 2012-2019.
- Editorial Council, *Journal of Agricultural and Resource Economics*, 2015-2018, 2025-present.
- Guest Editor, Special issue of *Water on Water Management Strategies for Addressing Long-Term Drought and Climate Uncertainty*, 2016-2017.
- Referee: *Agribusiness: an International Journal*, *Agricultural Economics*, *Agricultural and Resource Economics Review*, *Agricultural Water Management*, *American Journal of Agricultural Economics*, *Applied Economic Perspectives and Policy*, *Canadian Journal of Agricultural Economics*, *Ecological Economics*, *Environment and Development Economics*, *Environmental and Resource Economics*, *Food Economics*, *Food Policy*, *Journal of Agricultural and Applied Economics*, *Journal of the Agricultural and Applied Economics Association*, *Journal of Agricultural Education and Extension*, *Journal of Agricultural and Food Industrial Organization*, *Journal of Agricultural and Resource Economics*, *Journal of the American Water Resources Association*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Contemporary Water Research and Education*, *Journal of Environmental Economics and Management*, *Journal of Environmental Management*, *Journal of Policy Analysis and Management*, *Journal of Productivity Analysis*, *Land Economics*, *Nature Water*, *Proceedings of the National Academy of Sciences*, *Resource and Energy Economics*, *Southern Economic Journal*, *Water Economics and Policy*, *Water Resources and Economics*, *Water Resources Research*, *Western Economics Forum*

#### University of Nebraska:

- Member, Search Committee for Agricultural Banking and Finance faculty position, Dept. of Agricultural Economics, 2025.
- Chair, Seminar Committee, Dept. of Agricultural Economics, 2024-present.
- Promotion and Tenure Committee, Dept. of Agricultural Economics, 2023-2026.
- Co-Chair, Search Committee for Department Head, Dept. of Agricultural Economics, 2023.
- Chair, Graduate Committee, Dept. of Agricultural Economics, 2019-2022.
- Co-Chair, Graduate Committee, Dept. of Agricultural Economics, 2017-2019.
- Member, Graduate Committee, Dept. of Agricultural Economics, 2007-2017.
- Chair, Qualifying Exam Committee, Dept. of Agricultural Economics, 2016-2024.
- Chair, Seminar Committee, Dept. of Agricultural Economics, 2007-2014.
- Chair, Search Committee for Ecological Economics and Resilience faculty position, Dept. of Agricultural Economics, 2019-2020.
- Member, Search Committee for Agricultural Economics administrative position, Dept. of Agricultural Economics, 2021.
- Member, Environmental Studies Coordinating Committee, University of Nebraska, 2020-present.

- Member, Envisioning a Cross-College Environment program team, University of Nebraska, 2017-2018.
- Member, Search Committee for Behavioral and Experimental Economics faculty position, Dept. of Agricultural Economics, 2013.
- Five-year Review Steering Committee, Dept. of Agricultural Economics, 2008-2009.
- Economics Ph.D. Qualifying Exam Committee, 2006-2007.
- Graduate Committee, School of Natural Resources, 2006-2009.
- Integration Advisory Team, School of Natural Resources, 2007-08.

Other Professional Service:

- Grant reviews for the following organizations and programs: *National Science Foundation, USDA-CSREES Water and Watersheds, USDA-NIFA Environmental and Natural Resource Economics, National Institute of Water Resources, Iowa Nutrient Review Center, Dutch Research Council*
- External Promotion and Tenure file review for six promotion and/or tenure files (2020, 2021, 2022, 2024)
- Organizing committee for conference on “Water Management Strategies for Addressing Long-Term Drought and Climate Uncertainty”, USDA-funded conference in October 2015, Salt Lake City.

University of California:

- Coordinator: U.C. Berkeley ARE Environmental and Resource Economics Seminar, 2002 - 2005.
- Graduate Admissions Committee: Department of Ag. and Resource Economics, U.C. Berkeley, 2003.