

YAU-HUO (JIMMY) SHR**Office Address**

Center for Agricultural and Rural Development
568E Heady Hall, 518 Farm House Lane
Ames, IA 50011-1054

Contacts

yhshr@iastate.edu
(515) 294-2195

EDUCATION

Ph.D., Agricultural, Environmental, and Regional Economics, Pennsylvania State University 2017
M.S., B.S., Agricultural Economics, National Taiwan University 2010, 2008

EXPERIENCE

Postdoctoral Research Associate
Center for Agricultural and Rural Development, Iowa State University 2017 – Present
Research Assistant, *Center for Green Infrastructure and Stormwater Management*
Pennsylvania State University 2012 – 2017
Project Specialist, *Microenterprise Development Program*
Taiwan Investment and Trade Service Mission in Central America 2010 – 2011
Project Assistant, *Genetic Modified Crop Adoption in Taiwan*
National Taiwan University 2009 – 2010

PEER-REVIEWED PUBLICATIONS

Shr, Y-H., R. Ready, B. Orland, and S. Echols (forthcoming). How Do Visual Representations Influence Survey Responses? Evidence from a Choice Experiment on Landscape Attributes of Green Infrastructure. *Ecological Economics*.

Shr, Y-H., and K. Zipp (2019). The Aftermath of Flood Zone Remapping: the Asymmetric Impact of Flood Maps on Housing Prices. *Land Economics*, 95(2): In Press.

Jacobson, M., Y-H. Shr, F. Dalemans, R. Ciannella, and C. Magaju (2018). Using a Choice Experiment Approach to Assess Production Tradeoffs for Developing the Croton Value Chain in Kenya. *Forest Policy and Economics*, 86: 76 – 85.

Newton, J., P. Newman, D. Taff, Y-H. Shr, C. Monz, and A. D’Antonio (2018). If I Can Find a Parking Spot: A Stated Choice Approach to Grand Teton National Park Visitors' Transportation Preferences. *Journal of Outdoor Recreation and Tourism*, In Press.

Griffie, D., L. James, S. Goetz, B. Balotti, Y-H. Shr, M. Corbin, and T. Kelsey (2018). Outcomes and Economic Benefits of Penn State Extension’s Dining with Diabetes Program. *Preventing Chronic Disease – Public Health Research, Practice, and Policy*, 15: 170407.

Shr, Y-H., Y-H. Luh, F-M. Huang, and W-J. Jiang (2013). Farm Household Income Inequality in Taiwan: The Association of Nonfarm Income and Income Inequality. *Agriculture and Economics*, 51: 27 – 64.

WORKING PAPERS

“Feeling the Burn: The Optimal Timing of Prescribed Fires for Recreational Benefits” with Katherine Zipp
“A New Approach for Model Selection in Choice Experiments” with Richard Ready

“Valuing Water Quality Changes in the United States: A Meta-Analysis of Property Value Impacts” with Jiaqi Ge, Joseph Herriges, David Keiser, and Catherine Kling

WORK IN PROGRESS

“Ecosystem Services Provided by Soundscapes Link People and Wildlife” with Mitchell J. Levenhagen, Clinton D. Francis, Alissa R. Petrelli, Lauren C. Abbott, Derrick Taff, Crow White, Zachary D. Miller, Kurt Fristrup, Chris Monz, Christopher J.W. McClure, Peter Newman, and Jesse R. Barber

“Extreme Weather Events and the Adoption of Conservation Practice on Working Farmlands” with David Keiser, Gabriel Lade, and Chuan Tang

“Eliciting Individual Time and Risk Preferences with a High-Stakes Choice Experiment”

“The Preferences for Richness and Complexity of Natural Sounds: A Lab Experiment” with Jake Benfield, Zachary D. Miller, and Peter Newman

REPORTS (SINCE 2012)

Shr, Y-H. (2019). Nutrient and Us: What We Know and What We Can Do. *Getting into Soil and Water*.

Tang, C., G. E. Lade, D. Keiser, C. Kling, Y. Ji, and Y-H. Shr (2018). Economic Benefits of Nitrogen Reductions in Iowa. Center for Agricultural and Rural Development Report to the Iowa Environmental Council.

Newman, P., J. N. Newton, D. Taff, and Y-H. Shr (2016). Visitor Preference Study in the Moose-Wilson Corridor of Grand Teton National Park. Natural Resource Report. NPS/GRTE/NRR—2016/1227. National Park Service. Fort Collins, Colorado.

GRANTS

The Economic Benefits of Mitigating Harmful Algal Blooms in Iowa. **Principal Investigator**. Seed Grant Water Research Competition, Iowa Water Center, 2018 – 2020. \$60,000

OTHER GRANT ACTIVITIES

The Social Costs of Nutrient Pollution in the Mississippi/Atchafalaya River Basin and the Gulf of Mexico. **Co-Principal Investigator**. Water Resources Research National Competitive Grants, US Geological Survey. 2018 – 2021. \$250,000 (Unfunded)

Monetizing Water Quality Benefits from the Environmental Quality Incentives Program. **Project Leader**. Natural Resources Conservation Service, US Department of Agricultural. 2017 – 2019. \$150,000

Monetizing the Benefits of Conservation Practices Based on the Iowa Watershed Approach. **Project Leader**. US Housing and Urban Development Agency. 2017 – 2019. \$195,000.

Firescapes in the Mid-Atlantic: Mismatches between Social Perceptions and Prescribed Fire Use. **Project Member** (for social science data analysis). Joint Fire Science Program Project, US Department of Interior. 2016 – 2019. \$326,646

Sound as an Element in Coupled Natural and Human Systems. **Project Member** (leading social science data analysis). NSF Dynamics of Coupled Natural and Human Systems Program, National Science Foundation. 2014 – 2019. \$600,000

Center for Green Infrastructure and Stormwater Management. **Research Assistant**. USEPA Star Grant, US Environmental Protection Agency. 2011 – 2017. \$2,173,026.

PRESENTATIONS IN ACADEMIC MEETINGS

- Shr, Y-H., J. Ge, J. Herriges, D. Keiser, and C. Kling. Valuing Water Quality Changes in the United States: A Meta-Analysis of Property Value Impacts. 2018 Annual Meeting of W4133: Costs and Benefits of Natural Resources on Public and Private Lands
- Shr, Y-H., and R. Ready. Do Visual Representations Influence Survey Responses? Evidence from a Choice Experiment on Landscape Attributes of Green Infrastructure. Selected Paper, 2017 AERE Annual Summer Conference
- Shr, Y-H., and R. Ready. Comparing Performance of Discrete Choice Models in Stated Choice Methods: A Prediction-based Approach Using Preference Order Data. Selected Paper, 2016 AAEA Annual Meeting
- Shr, Y-H., and K. Zipp. Valuing Complementarity between Environmental Goods and Housing Attributes with the Benefit Function: An Application to Flood Hazards. Selected Paper, 2016 AAEA Annual Meeting and 2016 NAREA Annual Meeting

PRESENTATIONS IN OUTREACH MEETINGS AND WEBINARS (SINCE 2012)

- Tang, C., C. L. Kling, D. Keiser, G. Lade, Y. Ji, and Y-H. Shr. Economic Benefits of Nitrogen Reductions in Iowa. Iowa Learning Farms Webinar. Ames, IA, July 18, 2018
- Kling, C. L., C. Tang, D. Keiser, G. Lade, Y. Ji, and Y-H. Shr. Economic Benefits of Nitrogen Reductions in Iowa. Iowa Water Conference. Ames, IA, March 20, 2018
- Ready, R., and Y-H. Shr. Citizen Preferences over Non-Hydrological Attributes of Green Infrastructure. Chesapeake Stormwater Summit. Harrisburg, PA. October 27, 2017
- Ready, R., B. Orland, and Y-H. Shr. Citizen Preferences over Non-Hydrological Attributes of Green Infrastructure. Community Partners Council Meeting. Harrisburg, PA. July 25, 2016

COURSES TAUGHT

- Instructor. Economics Principles of Agribusiness Decision Making (Evaluation: 4.98/7)
Pennsylvania State University Spring 2015
- Teaching Assistant (Lab Instructor). Principles of Statistics (Avg. Evaluation: 4.45/5)
National Taiwan University Fall 2009, Spring 2010

AWARDS

- Travel Grants for Graduate Students, Agricultural and Applied Economics Association 2016
- Conference Scholarship Award, Northeast Agricultural and Resource Economics Association 2016
- Graduate Travel Scholarships, Western Agricultural Economics Association 2016
- College of Agricultural Science National Travel Award, Penn State University 2016
- Outstanding Teaching Assistant Award, National Taiwan University Spring 2010
- Outstanding Teaching Assistant Award, National Taiwan University Fall 2009

SOFTWARE

ArcGIS, Matlab, NLogit (Limdep), Stata, SPSS, R