

International Programs in Agriculture, Purdue University  
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I am an applied economist with twenty-five years of higher education experience. As Associate Dean and Director of the office of International Programs in Agriculture (IPIA) at Purdue University, I lead international efforts in one of the top colleges of agriculture in the world. My career has been devoted to teaching and conducting policy-oriented research focused on improving global food and nutrition security and promoting the sustainability of smallholder agriculture. I strive to maintain a positive perspective and to provide a constructive, collaborative, and evidence-based approach to confronting grand challenges.

## 1. EDUCATION

Ph.D. Agricultural and Applied Economics, University of Wisconsin-Madison (1996)  
M.A. Economics, Boston University (1985)  
B.A. Economics, Boston University (1984)

## 2. PROFESSIONAL EXPERIENCE

*Associate Dean and Director*, International Programs in Agriculture, Purdue University. Provide leadership and serve as a global ambassador for the College of Agriculture. Coordinate and promote international research, teaching, and engagement. Contribute to the university's international strategy and direction as a member of Purdue's Global Academic Council. 2019-present.

*Faculty Fellow for Global Affairs*, Office of the Executive Vice President for Research and Partnerships, Purdue University. Foster and coordinate institutional collaborations with global partners. 2019-present.

*Professor*, Department of Agricultural Economics, Purdue University. Conduct externally funded research on food security, economic development, environmental and natural resource economics, and quantitative methods. Advise undergraduate and graduate students and provide undergraduate and graduate instruction in a range of topics. 2004-present.

*Chair*, Publications Review Committee, International Food Policy Research Institute (IFPRI), Washington, DC. Lead committee providing academic quality control for IFPRI publications with global distribution. Work with IFPRI's Senior Management Team to maintain and enhance IFPRI's peer culture. 2018-present.

*Associate Department Head and Graduate Program Director*, Department of Agricultural Economics, Purdue University. Administered resident M.S. and Ph.D. programs in Agricultural Economics; provided departmental academic leadership; promoted excellence and diversity on campus; and managed graduate admission, recruiting, and enrollment for a 120-student graduate program. 2008-2018.

*Editor-in-Chief*, *Agricultural Economics*. Coordinated editorial assignments and peer reviews of submissions to the flagship journal of the International Association of Agricultural Economists. 2006-2015.

*Adjunct Professor*, School of Economics and Business, Norwegian University of Life Sciences, Ås, Norway. Provided instruction and research guidance and supervision to graduate students. 2007-2015.

*Honorary Fellow*, Department of Economics and Asian Economics Centre, University of Melbourne, Victoria, Australia. Conducted research on economic development in Southeast Asia. 2003-2004.

*Assistant and Associate Professor with tenure*, Department of Agricultural Economics, Purdue University. Taught undergraduate and graduate courses, advised students, and conducted externally funded research program focusing on economy and environment in developing countries. 1996-2004.

*Post-Doctoral Fellow*, Department of Agricultural and Applied Economics, University of Wisconsin-Madison. Conducted research on economic and environmental impacts of trade and tax policies. 1996.

*Instructor*, University of Wisconsin-Madison. Designed and taught the course *World Hunger*. 1995.

*Visiting Researcher*, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) and the University of the Philippines, Los Baños. Conducted fieldwork to study deforestation, land degradation, and agricultural technology adoption in the Philippines. 1994-1995.

*Research Assistant*, Cornell Food and Nutrition Policy Program (CFNPP), Cornell University. Conducted research on the impacts of economic policy reforms in sub-Saharan Africa. 1988-1991.

### 3. PUBLICATIONS

Author or co-author of more than 200 scholarly contributions, including more than 100 peer-reviewed items and more than 50 articles and chapters with former students. Co-authorship with more than 100 professional colleagues. h-index = 44; i10-index = 102; Google Scholar citation count = 5,545; RG score = 33.90 (93<sup>rd</sup> percentile); RePEc score = 14 (ranking = 2,945; top 5% of economists worldwide).

#### *Journal Articles*

Namirembe, Grace, Robin Shrestha, Julieta Mezzano, Lynn Ausman, Dale Davis, Kedar Baral, Shibani Ghosh, Gerald Shively, Patrick Webb. Effective Nutrition Governance is Correlated with Better Nutrition Outcomes in Nepal. Forthcoming in *BMC Pediatrics*.

Shively, Gerald and Jacob Schmiess. 2021. Altitude and early child growth in 47 countries. *Population and Environment*. <https://doi.org/10.1007/s11111-021-00390-w>.

Debela, Bethelhem Legesse, Gerald Shively and Stein Holden. 2021. Implications of Food-for-Work Programs for Diet and Production Diversity in Ethiopia. *Journal of Agricultural and Food Economics* 9: 28. <https://doi.org/10.1186/s40100-021-00189-1>.

Shively, Gerald and Alecia Evans. 2021. Dietary Diversity in Nepal: A Latent Class Approach. *Food and Nutrition Bulletin*. <https://doi.org/10.1177/0379572121998121>.

Ambikapathi, Ramya, Germana Leyna, Alli Mangana, Dominic Moshia, Crystal Patil, Morgan Boncyk, Savannah Froese, Cristiana Edwards, Patrick Kazonda, Japhet Killewo, Gerald Shively, Mary Mwanyika-Sando, Nilupa S. Gunaratna. 2021. Informal food environment is associated with household vegetable purchase patterns and dietary intake in the DECIDE study: Empirical evidence from food vendor mapping in peri-urban Dar es Salaam, Tanzania. *Global Food Security* 28: 100474. <https://doi.org/10.1016/j.gfs.2020.100474>.

Josephson, Anna and Gerald Shively. 2021. Unanticipated Events, Perceptions, and Household Labor Allocation in Zimbabwe. *World Development* 141. <https://doi.org/10.1016/j.worlddev.2020.105377>.

Andrews-Trevino, Johanna, Patrick Webb, Gerald Shively, Ahmed Kablan, Kedar Baral, Dale Davis, Krishna Paudel, Robin Shrestha, Ashish Pokharel, Sudikshya Acharya, Jia-Sheng Wang, Kathy S. Xue, Shibani Ghosh. 2021. Aflatoxin exposure and child nutrition: measuring anthropometric and long-bone growth over time in Nepal. *American Journal of Clinical Nutrition* nqaa397. <https://doi.org/10.1093/ajcn/nqaa397>.

Shively, Gerald, Tim Smith and Megan Paskey. 2020. Altitude and Child Linear Growth in Nepal. *Mountain Research and Development* 40(3): R11-R20. <https://doi.org/10.1659/mrd-journal-d-19-00063.1>.

Andrews-Trevino, Johanna, Patrick Webb, Gerald Shively, Beatrice Rogers, Kedar Baral, Dale Davis, Krishna Paudel, Ashish Pokharel, Robin Shrestha, Jia-Sheng Wang, Kathy Xue, and Shibani Ghosh. 2020. Dietary determinants of aflatoxin B1-lysine adducts in pregnant women consuming a rice-dominated diet

- in Nepal. *European Journal of Clinical Nutrition* 74: 732-740. <https://doi.org/10.1038/s41430-019-0554-2>.
- Omiat, George and Gerald Shively. 2020. Rainfall and Child Weight in Uganda. *Economics and Human Biology* 38. <http://dx.doi.org/10.1016/j.ehb.2020.100877>.
- Kadjo, Didier, Jacob Ricker-Gilbert, Gerald Shively and Tahirou Abdoulaye. 2020. Food safety and adverse selection in rural maize markets. *Journal of Agricultural Economics* 71(2): 412-438. <http://dx.doi.org/10.1111/1477-9552.12350>.
- Andrews-Trevino, J., Webb, P., Baral, K., Davis, D., Shrestha, R., Pokharel, A., Acharya, S., Lamichhane, A., Shively, G., Paudel, K., Xue, K., Wang, J-S., Ghosh, S. 2020. Early Life Exposure to Mycotoxins and Child Linear Growth in Nepal: Methods and Design of a Prospective Birth Cohort Study. *Journal of Food Security* 8(1), 1-10. <http://dx.doi.org/10.12691/jfs-8-1-1>.
- Arega, Meron and Gerald Shively. 2019. Food Aid, Cash Transfers and Producer Prices in Ethiopia. *African Journal of Agricultural and Resource Economics* 14(3): 153-168.
- Andrews-Trevino, Johanna Y., Patrick Webb, Gerald Shively, Beatrice L. Rogers, Kedar Baral, Dale Davis, Krishna Paudel, Ashish Pokharel, Robin Shrestha, Jia-Sheng Wang, Shibani Ghosh. 2019. Relatively low maternal aflatoxin exposure is associated with small-for-gestational-age but not with other birth outcomes in a prospective birth cohort study of Nepalese infants. *Journal of Nutrition* 149(10): 1818-1825. <https://dx.doi.org/10.1093/jn/nxz122>.
- Smith, Tim and Gerald Shively. 2019. Multilevel analysis of individual, household, and community factors influencing child growth in Nepal. *BMC Pediatrics* 19: 91-105. <https://dx.doi.org/10.1186/s12887-019-1469-8>.
- Pham, Linh and Gerald Shively. 2019. Profitability of organic vegetable production in Northwest Vietnam: Evidence from Tan Lac District, Hoa Binh Province. *Organic Agriculture* 9(2): 211-223. <https://dx.doi.org/10.1007/s13165-018-0223-0>.
- Thapa, Ganesh and Gerald Shively. 2018. A dose-response model of road development and child nutrition in Nepal. *Research in Transportation Economics* 70: 112-24. <https://doi.org/10.1016/j.retrec.2018.11.002>.
- Omotilewa, Oluwatoba, Jacob Ricker-Gilbert, John Herbert Ainembabazi and Gerald Shively. 2018. Does improved storage technology promote modern input use and food security? Evidence from a randomized trial in Uganda. *Journal of Development Economics* 135: 176-198.
- Kadjo, Didier, Jacob Ricker-Gilbert, Tahirou Abdoulaye, Gerald Shively and Mohamed Baco. 2018. Storage Losses, Liquidity Constraints, and Maize Storage Decisions in Benin. *Agricultural Economics* 49(4): 435-454. <https://doi.org/10.1111/agec.12427>.
- Reyes-Garcia, Victoria, Arild Angelsen, Gerald Shively and Dmitriy Minkin. 2018. Does income inequality influence subjective wellbeing? Evidence from 21 developing countries. *Journal of Happiness Studies*. <https://doi.org/10.1007/s10902-018-9992-0>.
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- Omiat, George and Gerald Shively. 2017. Charting the cost of nutritionally-adequate diets in Uganda, 2000-2011. *African Journal of Food, Agriculture, Nutrition and Development* 17(1): 11571-11591. <https://doi.org/10.18697/ajfand.77.16340>.
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- Shively, Gerald and Ganesh Thapa. 2017. Markets, transportation infrastructure and food prices in Nepal. *American Journal of Agricultural Economics*. 99(3): 660-682. <https://doi.org/10.1093/ajae/aaw086>.

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- Ward, Patrick and Gerald Shively. 2011. Vulnerability, Income Growth and Climate Change. *World Development* 40(5): 916-927.
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- Chen, Susan, Priya Bhagowalia and Gerald Shively. 2011. Input Choice in Agriculture: Is there a Gender Bias? *World Development* 39(4): 561-568.
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- Tadesse, Getaw and Gerald Shively. 2009. Food aid, food prices and producer disincentives in Ethiopia. *American Journal of Agricultural Economics* 91(4): 942-955.
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- Hogset, Heidi, William Masters, and Gerald Shively. 2009. Policy changes, input supply liberalization, and missing markets: evidence from smallholder farms in Malawi. *Journal of Policy Modeling/EconModels.com*.
- Doutriaux, Sylvie, Charles Geisler and Gerald Shively. 2008. Competing for Coffee Space: Development Induced Displacement in the Central Highlands of Vietnam. *Rural Sociology* 73(4): 528-554.
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- Yao, Richard and Gerald Shively. 2007. Technical Change and Productive Efficiency: Irrigated Rice in the Philippines. *Asian Economic Journal* 21(2): 155-168.
- Rios, Ana and Gerald Shively. 2006. Farm size and nonparametric efficiency measurements for coffee farms in Vietnam. *Forests, Trees, and Livelihoods* 16(4): 397-412.
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- Ha, Dang Thanh and Gerald Shively. 2005. Coffee vs. Cacao: A case study from the Vietnamese Central Highlands. *Journal of Natural Resources and Life Sciences Education* 34: 107-111.
- Mahmoud, Chowdhury and Gerald Shively. 2005. Vegetable market integration in Bangladesh. *Bangladesh Development Studies* 31(1).
- Fisher, Monica M., Gerald Shively, and Stephan Buccola. 2005. Activity choice, labor allocation, and forest use in Malawi. *Land Economics* 81(4): 503-517.
- Fisher, Monica M., and Gerald Shively. 2005. Can income programs reduce tropical forest pressure? Income shocks and forest use in Malawi. *World Development* 37(7): 1115-1128.
- Mahmoud, Chowdhury and Gerald Shively. 2004. Agricultural diversification and integrated pest management in Bangladesh. *Agricultural Economics* 30(3): 187-194.
- Shively, Gerald. 2004. Introduction to the special issue on poverty and forest degradation. *Environment and Development Economics* 9(2): 131-134.
- Shively, Gerald and Ian Coxhead. 2004. Conducting economic policy analysis at a landscape level: examples from a dynamic model of a Philippine watershed. *Agriculture, Ecosystems, and the Environment* 104(1): 159-170.
- Shively, Gerald and Monica M. Fisher. 2004. Smallholder labor and deforestation: a systems approach. *American Journal of Agricultural Economics* 86(5): 1361-1366.
- Shively, Gerald and Stefano Pagiola. 2004. Agricultural intensification, local labor markets, and deforestation in the Philippines. *Environment and Development Economics* 9(2): 241-66.
- Shively, Gerald, Charles Zelek, David Midmore, Todd Nissen. 2004. Carbon sequestration in a tropical landscape: an economic model to measure its incremental cost. *Agroforestry Systems* 60(3): 189-197.
- Shively, Gerald and Charles A. Zelek. 2003. Technical Change, Factor Bias, and Input Adjustments: Panel Data Evidence from Irrigated Rice Production in Southern Palawan, the Philippines. *Philippine Journal of Development* 30(1): 91-110.
- Zelek, Charles A. and Gerald Shively. 2003. Measuring the opportunity cost of carbon sequestration in tropical agriculture. *Land Economics* 79(3): 342-354.
- Shively, Gerald and Charles A. Zelek. 2002. Linking economic policies and environmental outcomes at a watershed scale. *Philippine Journal of Development* 29(1): 101-125.
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- Coxhead, Ian, Gerald Shively and Xiobing Shuai. 2002. Development Policies, Resource Constraints, and Agricultural Expansion on the Philippine Land Frontier. *Environment and Development Economics* 7(2): 341-364.
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- Shively, Gerald. 2001. Poverty, Consumption Risk, and Soil Conservation. *Journal of Development Economics* 65(2): 267-290.
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- Shively, Gerald. 1999. Prices and Tree Planting on Hillside Farms in Palawan. *World Development* 27(6): 937-949.
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- Shively, Gerald. 1998. Economic Policies and the Environment: the Case of Tree Planting on Low-income Farms in the Philippines. *Environment and Development Economics* 3(1): 15-27.
- Badiane, Ousmane and Gerald Shively. 1998. Spatial Integration, Arbitrage Costs, and the Response of Local Prices to Policy Changes in Ghana. *Journal of Development Economics* 56(2): 411-431.
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McGuire T. G., Dickey, B., Shively, G., Strumwasser, I. 1987. Differences in resource use and cost among facilities treating alcohol, drug abuse, and mental disorders: implications for design of a prospective payment system. *American Journal of Psychiatry* 144(5): 616-20.

### **Books (1)**

Coxhead, Ian and Gerald Shively (Eds.). 2005. *Land Use Change in Tropical Watersheds: Evidence, Causes, and Remedies*. Wallingford (UK): CAB International.

### **Book Chapters (17)**

Shively, Gerald. 2018. Achieving Equal Access. Chapter 12 (pp. 232-252) in Eise, J. and Foster, K. (Eds.) *How to Feed the World*. Washington, DC: Island Press.

Shively, Gerald and Tim Smith. 2014. Natural Resources, the Environment and Economic Development in Southeast Asia. Chapter 6 (pp. 114-135) in Ian Coxhead (Ed.) *Handbook of Southeast Asian Economics*. London: Routledge.

Osmond, D. L., L. Tedesco, R. Turco, L. Prokopy, J. Frankenberger, G. Shively, M. Arabi, J. Wilson, D. Hoag, and D. W. Meals. 2012. Eagle Creek Watershed, Indiana: National Institute of Food and Agriculture–Conservation Effects Assessment Project. Chapter 13 in Osmond, D., D. W. Meals, D. LK. Hoag and M. Arabi (Eds.) *How to Build Better Agricultural Conservation Programs to Protect Water Quality*. Ankeny, Iowa: Soil and Water Conservation Society.

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Pagiola, Stefano, Marian delos Angeles, Gerald Shively. 2005. Using Payments for Environmental Services (PES) to assist in watershed management. Chapter 11 in Coxhead, Ian and Gerald Shively (Eds.). 2005. *Land Use Change in Tropical Watersheds: Evidence, Causes, and Remedies* Wallingford (UK): CAB International.

Coxhead, Ian, Agnes Rola and Gerald Shively. 2005. Conclusions and some directions for future research. Chapter 12 in Coxhead, Ian and Gerald Shively (Eds.). 2005. *Land Use Change in Tropical Watersheds:*



*Evidence, Causes, and Remedies* Wallingford (UK): CAB International.

Badiane, Ousmane and Gerald Shively. 2003. Spatial Integration, Transport Costs, and the Response of Local Prices to Policy Changes in Ghana. In K. Button (ed.) *Recent Developments in Transport Economics (International Library of Critical Writings in Economics)* Edward Elgar.

Shively, Gerald and Elmer Martinez. 2001. Deforestation, irrigation, employment, and cautious optimism in southern Palawan, the Philippines. In A. Angelsen and D. Kaimowitz (eds.) *Agricultural Technologies and Tropical Deforestation*. Wallingford: CAB International.

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Shively, Gerald. 2000. Soil Conservation Adoption and Yield Risk: Evidence from Upland Farms in Bansalan. In Robert A. Cramb (ed.) *Soil Conservation Technologies for Smallholder Farming Systems in the Philippine Uplands: a Socioeconomic View*. Canberra: Australian Centre for International Agricultural Research (ACIAR).

Badiane, Ousmane and Gerald Shively. 1997. Market integration and the response of local prices to policy changes. In S. Bauer, R. Herrmann, and F. Kuhlmann (eds.) *Märket der Agrar-und Ernährungswirtschaft (Markets for Agriculture and the Food Industry)*. Munster-Hiltrup (Germany): Landwirtschaftsverlag GmbH.

Alderman, Harold and Gerald Shively. 1996. Price Movements and Economic Reform in Ghana: Implications for Food Security. In David Sahn (ed.) *Economic Reform and the Poor in Africa*. Oxford: Oxford Univ. Press.

#### **4. GRANTS RECEIVED**

Principal or co-investigator for external grants totaling more than \$10 million, focusing on a range of studies in Bangladesh, Ethiopia, Ghana, India, Indonesia, Lao PDR, Malawi, Nepal, the Philippines, Thailand, Uganda, the United States, and Vietnam. Major grants include:

**U.S. Department of Agriculture, Foreign Agricultural Service** (2020-22) *Global Agriculture Innovation Forum*.

**U.S. Agency for International Development** (2019-23) *Applied Nutrition Capacity Building in Laos*.

**U.S. Department of Agriculture, Economic Research Service** (2015-18) *Ag Econ Scholars Program*.

**U.S. Agency for International Development** (2010-20) *Innovation Lab for Global Nutrition* (Nepal & Uganda).

**U.S. Agency for International Development** (2007-10) Assets and Market Access Collaborative Research Support Program (BASIS CRSP) *Natural Capital and Poverty Reduction*.

**U.S. National Science Foundation** (2003-05) *Longitudinal Effects of Technical Change, Capital Accumulation, and Labor Market Dynamics on Deforestation in the Low-income Tropics*.

**Association Liaison Office for University Cooperation in Development** (2003-04) *Curriculum Development for Improved Environmental Management in Vietnam*.

**The World Bank** (2000-01) *Economic and Environmental Impacts of Lowland Agricultural Development on Poor Upland Communities in Palawan, the Philippines*.

**U.S. Agency for International Development** (1998-06) Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP) *Economy-Environment Modeling at a Landscape Scale*.

**U.S. Agency for International Development** (1998-04) Integrated Pest Management Collaborative Research Support Program (IPM CRSP). *Economic Impacts of Integrated Pest Management in Rice-Vegetable Farming Systems in Bangladesh*.

**Ford Foundation** (1997-98) *Economic and Environmental Impacts of Lowland Agricultural Development on Upland Communities in Palawan*.

**U. S. Department of Agriculture, Conservation Effects Assessment Program** (2006-09) *Watershed-Scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek Watershed, IN.*

**U.S. Fish and Wildlife Service** (1997-98) *Economic Impact Assessment of the Proposed Grand Kankakee Marsh National Wildlife Refuge.*

**MacArthur Foundation** (1994-96) *Environmental Degradation in an Open Economy: The Case of Philippine Agriculture.*

## 5. TEACHING AND ADVISING

### Undergraduate

- Environmental and Natural Resource Economics
- World Hunger

### Graduate (M.S. and Ph.D.)

- Agricultural Development and Policy
- Applied Welfare Economics
- Cost-Benefit Analysis
- Dynamic Optimization
- Linear Programming and Economic Analysis
- World Food Problems

Supervisor or co-advisor to 24 Ph.D. and 36 M.S. students.

## 6. AWARDS AND HONORS

Book of Great Teachers, Purdue University (2018)

Honorary Life Member (Fellow), International Association of Agricultural Economists (2018)

Distinguished Graduate Teaching Award, Agricultural and Applied Economics Association (2018)

Excellence in Research Award, Purdue Policy Research Institute (2018)

Faculty Fellow, Purdue Policy Research Institute (2016-17)

Fellow, African Association of Agricultural Economics (2016)

University Faculty Scholar, Purdue University (2008-12)

Outstanding Graduate Educator, College of Agriculture, Purdue University (2012)

Outstanding Graduate Educator, Department of Agricultural Economics, Purdue University (2011)

Agricultural Research Award, Purdue University (2007)

Outstanding Instructor, Department of Agricultural Economics, Purdue University (2003)

Teaching for Tomorrow Award, Purdue University (1998)

Best Dissertation, American Agricultural Economics Association (runner up, 1997)

Best Dissertation, Agricultural and Applied Economics, UW-Madison (1996)

Best Dissertation, Southeast Asian Studies, UW-Madison (1996)

John D. and Catherine T. MacArthur Foundation Graduate Fellowship (1993-96)

National Security Education Program Graduate Fellowship (1994)

Foreign Language Area Studies Grant (1994)

Fulbright Grant (1994-95)

Alumni Award, Department of Economics, Boston University (1984)

## 7. NOTEWORTHY SERVICE AND PROFESSIONAL DEVELOPMENT

Executive Committee, World Bank-Land Grant Partnership for Agriculture (2016-19)

Purdue University Senate (Steering Committee 2016-19; chair 2016-17, 2018-19)

USDA Roundtable on Agricultural Trade and Markets (2015)

LEAD21 Class X (2014-15)

Editorial Board, *Land Economics* (2013-2020)

Executive Committee, Purdue Center for Global Food Security (2013-present)

Blue Ribbon Panel, Council on Food Agricultural and Resource Economics (2012-2020)  
Editorial Board, *Environment and Development Economics* (2012-17)  
Committee on Institutional Cooperation, Academic Leadership Program (2012-13)  
Poynter Center Workshop on Teaching Research Ethics (2011)  
Executive Committee, Purdue Climate Change Research Center (2010-14)  
Chair, International Section, Agricultural and Applied Economics Association (2010-13)  
Associate Editor, *Environment and Development Economics* (2005-11)  
Chair, Technical Committee, USAID SANREM CRSP (2004-09)

## **8. PERSONAL**

US Citizen; born 18 October 1962