

Purdue Agricultural Economics Newsletter

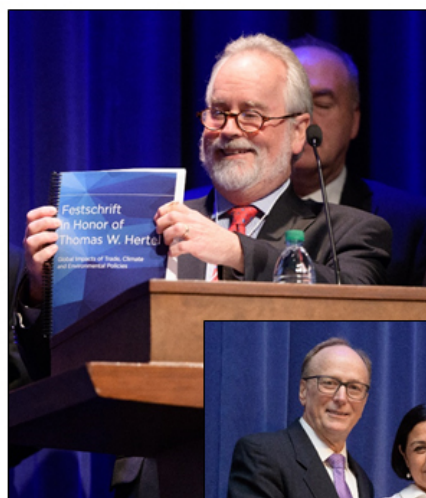
Keeping Track

July 2017

Calendar of Events:

July 30-August 1	AAEA Annual Conference
August 16-17	New Graduate Student Orientation
August 21	Fall classes begin

Photo of the Month: **Thomas Hertel** was honored with a Festschrift, a collection of writings published in honor of a scholar, during the 20th Annual Conference on Global Economic Analysis.



Special Award:

Purdue University, Department of Agricultural Economics alumnus **Akinwumi (Akin) Adesina**, president of the African Development Bank Group, has been named the 2017 World Food Prize Laureate for his work as a reformer and leader in the agricultural sector in Africa and internationally.

The World Food Prize, often referred to as the Nobel Prize for food and agriculture, is the highest international honor recognizing the achievements of those who have advanced human development by improving the quality, quantity of

availability of food in the world. **Dr. Adesina**, who was awarded an honorary doctorate from Purdue in 2015, earned his master's (1985) and doctoral (1988) degrees in agricultural economics from Purdue. After graduating, he returned to his home country of Nigeria, where he launched his career.

In 2015, **Dr. Adesina** was elected president of the African Development Bank Group (AfDB). The AfDB works to reduce poverty by spurring sustainable economic development and social progress in its regional member countries. Dr. Adesina was appointed Nigeria's Minister of Agriculture in 2011, and during his four-year term, he ended 40 years of corruption in the fertilizer sector by developing and implementing an innovative electronic wallet system that directly provides farmers with subsidies at scale using their mobile phones. Within the first four years after its launch, the electronic wallet system transformed the lives of 14.5 million farmers. Under **Dr. Adesina's** leadership, Nigeria's food production expanded by 21 million metric tons. Among other positions he has held were principal economist for the West Africa Rice Development Association; vice president of the Alliance for a Green Revolution in Africa; and regional director for the Southern Africa Office at the Rockefeller Foundation.

The 2017 World Food Prize Laureate Award Ceremony will be held on October 19 in the Iowa State Capitol Building in Des Moines. **Dr. Adesina** is the third Purdue Agriculture alumnus to receive the World Food Prize, joining Dr. Phil Nelson, Professor Emeritus of Food Science (2007) and Dr. Gebisa Ejeta, Distinguished Professor of Plant Breeding and Genetics and International Agriculture (2009).

This singular recognition of **Dr. Adesina** is most deserved, and for all of us in Purdue Agriculture it is truly exciting to anticipate what comes next as this very proud Boilermaker continues to invest his extraordinary leadership capabilities to end hunger and poverty in Africa.

Congratulations:

Michael Gunderson has been named 2017-18 Chair-elect of the Agribusiness Economics and Management (AEM) section of the Agricultural and Applied Economics Association.

Maria Marshall has been named the recipient of the 2017 Corinne Alexander Spirit of the Land-Grant Mission Award. She is being recognized for her extensive work that impacts the livelihoods of small and family businesses.

Jacob Ricker-Gilbert is part of a team that won the 2017 Bruce Gardner Memorial Price for Applied Economic Policy Analysis for work on farm input subsidy programs in sub-Saharan Africa. The team will receive the award at the AAEA annual meeting in Chicago.

Thought You Would Like to Know:

Dr. Juan Sesmero was interviewed by NPR on his new USDA-funded project, co-authored with **Dr Steve Wu** and **Dr Joseph Balagtas**. The podcast can be found in

<http://indianapublicmedia.org/news/usda-funds-purdue-study-profits-food-policies-120712/>

Award winning publications:

Liu, J., H. Mooney, V. Hull, S. Davis, J. Gaskell, **T. Hertel**, J. Lubcheco, K. Seto, P. Gleick, C. Kremen and S. Li.. "Systems Integration for Global Sustainability", *Science* (347):6225. This paper won the 2017 *outstanding paper award from the Ecological Society of America*.

Steinbuks, J. and **T. W. Hertel** (2016) "Confronting the Food-Energy-Environment Trilemma: Global Land Use in the Long Run", *Environmental and Resource Economics*, 63:545 doi:10.1007/s10640-014-9848-y. This paper was selected as *one of four outstanding journal articles by the European Association of Environmental and Resource Economists*, to be recognized at the Association's annual meetings in Athens, 2017.

News from Graduate Students:

Congratulations to the following for passing the Economic Prelim:

Francisco Scott
Sofia Vielma

**Alma Cortes
Jixuan Yao
Xiaoyang He
Roberto Flores
Emiliano Lopez
Anton Yang**

Andrew Johnson, Nathan Daninger, Wes Davis, and Jorge Barrientos placed second at the International Food and Agribusiness Management Association case study competition in Miami, Florida this week.



Lewis, K.E., A.P. Griffith, **M. Tang**, D.M., Lambert, and C. N. Boyer. Profitability of Retained Ownership: Tennessee Beef Evaluation. University of Tennessee Extension Publication. Accepted and forthcoming.

Tang, M. , K. E. Lewis, D. M. Lambert, A. P. Griffith, C. N. Boyer. "Beef Cattle Retained Ownership and Profitability in Tennessee." *Journal of Agricultural and Applied Economics*. Accepted and forthcoming.

News from AGEC Undergraduates:

Cameron Mann a senior in Agribusiness with a double-major in Ag Communications received this year's Flora Roberts Award given to Purdue's outstanding senior woman. She has served as the student representative to the Board of Trustees among many other high-level activities and academic accomplishments. Last night, she was also named the College of Ag Outstanding Senior! Please take time to congratulate Cameron and wish her well in her future endeavors.

Stephen Schwartz was named College of Ag Outstanding Freshman. Stephen is a member of the Deans Scholars Program and the Purdue Honors College. He also was a Wallace-Carver Fellow with the USDA ARS.

See the success stories of our undergraduates at:

<https://ag.purdue.edu/agecon/Pages/Undergraduate-Success-Stories.aspx>

News from the Center for Global Trade Analysis:

Farzad Taheripour was named a GTAP Research Fellow for the 2017-2020 term for his work in the fields of biofuels, water, and land use for and using the GTAP Data Base.



The Center for Global Trade Analysis recently held two important events here at Purdue.

2017 GTAP Advisory Board Meeting

The 2017 GTAP Advisory Board Meeting was held June 5-6 on the campus of Purdue University. The purpose of this annual meeting of GTAP Consortium Members is to advise the Center for Global Trade Analysis on matters of policy, research agenda, and funding. The meeting was attended by leading economists and policy advisors representing government agencies, international institutions, the private sector, and academia in Africa, Asia, Australia, Europe, the Middle East, and the United States.

For further information on this meeting, please visit:

http://www.gtap.agecon.purdue.edu/events/Board_Meetings/2017/

For further information on the GTAP Consortium, please visit:

<http://www.gtap.agecon.purdue.edu/about/consortium.asp>

20th Annual Conference on Global Economic Analysis

The 20th Annual Conference on Global Economic Analysis was held from June 7-9, also on the campus of Purdue University. The overall theme of the conference was “*Global Economic Analysis in the 21st Century: Challenges and Opportunities*”. The annual conferences on global economic analysis are long-standing offerings of the Center for Global Trade Analysis, which strive to promote the exchange of ideas among economists conducting quantitative analysis of global economic issues while becoming part of the international GTAP Network. In total, over 200 individuals from 33 different countries participated in this conference, which was organized by the Center for Global Trade Analysis in the Department of Agricultural Economics.

Purdue University was well represented at the conference with the following presentations.

Expediting Trade: Impact Evaluation of an In-House Clearance Program

by [Fernandes, Ana](#), [Russell Hillberry](#) and [Claudia Berg](#)

Gaussian Quadratures vs. Monte Carlo Experiments for Systematic Sensitivity Analysis of Computable General Equilibrium Model Results

by [Villoria, Nelson B.](#) and [Paul Preckel](#)

Use of General Equilibrium Models in Evaluating Biofuels Policies

by [Sajedinia, Ehsanreza](#) and [Wally Tyner](#)

Global Energy Subsidies Reform: Inclusive Approaches to Welfare Assessment

by [Chepeliev, Maksym](#) and [Dominique van der Mensbrugge](#)

Crop production, cropland use, harvest frequency, and land intensification in economic models

by [Taheripour, Farzad](#), [Wally Tyner](#) and [Uris Lantz Baldos](#)

Developing long-run agricultural R&D policy in the face of uncertain economic growth

by [Cai, Yongyang](#), [Alla Golub](#) and [Thomas Hertel](#)

Technical efficiency of corn production in Sinaloa, Mexico.

by [Becerra-Perez, Luis](#) and [Luis Lopez-Reyes](#)

Biomass Co-Firing Potential and Land Use Changes: A General Equilibrium Study in the United States

by [Sun, Shanxia](#), [Thomas Hertel](#), [Mort Webster](#), [Uris Lantz Baldos](#) and [Jing Liu](#)

Attaining food and environmental security in an era of globalization

by [Hertel, Thomas](#) and [Uris Lantz Baldos](#)

Modeling emission reductions and forest carbon sequestration in GTAP: Data Base and model improvements

by [Pena Levano, Luis Moises](#), [Farzad Taheripour](#), [Wally Tyner](#) and [Alla Golub](#)

Modeling land physically in CGE models: new insights on intensive and extensive margins

by [Zhao, Xin](#), [Dominique van der Mensbrugge](#) and [Wally Tyner](#)

Disentangling Distributional Effects of Trade: Incorporating U.S. Occupational Statistics into an MRIO Framework

by [Carrico, Caitlyn](#)

Does the Labor Composition of Fixed Business Costs Matter?

by [Akgul, Zeynep](#), [Caitlyn Carrico](#) and [Marinos Tsigas](#)

Economic Insights into Telecoupling: Lessons from China's Soybean Boom

by [Yao, Guolin](#), [Thomas Hertel](#) and [Farzad Taheripour](#)

Modeling Land Intensification Response in GTAP: Implications for Biofuels Induced Land Use Change

by [Cui, Hao \(David\)](#) and [Wally Tyner](#)

Quantifying Climate Change Impacts on Migration and Food Security: CGE Analyses for the World's 103 Regions under the 2oC scenario

by [Ishinabe, Nagisa](#) and [Dominique van der Mensbrugge](#)

Ponder the Differences between the Trade Specifications in a CGE Model: the AKME module and Import Sourcing

by [Itakura, Ken](#) and [Kazuhiko Oyamada](#)

Incorporating Domestic Trade and Transport Margins in the GTAP Data Base and model

by [Corong, Erwin](#)

How Will Women Empowerment Help Achieve Food Security Towards 2050?

by [Vielma Delano, Sofia Katherina](#)

The influence of US water law on irrigation expansion

by Jame, Sadia, Laura Bowling, Thomas Hertel, Jing Liu and Iman Haqiqi

Achieving sustainable irrigation water withdrawals: global impacts on food security and land use

by Liu, Jing, Thomas Hertel, Richard Lammers, Alexander Prusevich, Uris Lantz Baldos, Danielle Grogan and Steve Frolking

Global Economic Response to Water Scarcity

by Haqiqi, Iman

Food and environmental security in 2050: An application of gridded agricultural economic modelling

by Baldos, Uris Lantz

Estimation of home bias data base for Public Procurement Analysis

by Aguilar, Angel

For further information as well as the complete program for this conference, please visit:

<http://www.gtap.agecon.purdue.edu/events/conferences/2017/>

For further information on the Center for Global Trade Analysis or the Global Trade Analysis Project, please visit:

<http://www.gtap.agecon.purdue.edu/>

News from the Center for Food and Agribusiness:

Issue 6 of the [Purdue Food and Agribusiness Quarterly Review](#) is now available! The six articles in this issue were written by faculty in Purdue University's [Center for Food and Agricultural Business](#), as well as faculty from the University of Sao Paulo. These authors have sought out leading business research, strategy and insights and tailored them to food and agricultural business.

Presented papers, seminars and travel:

Maria Marshall presented "Farm Family Businesses: Are those that have a successor different from those that do not?" at the Changing Lands, Changing Hands Conference, Denver, CO. June 13-15, 2017.

Maria Marshall and Renee Wiatt attended the Family Business Alliance Conference in San Francisco, CA. June 21-23, 2017.

Juan Sesmero presented the following:

China Agricultural University, Department of Agricultural Economics, Beijing, China, 06/2017

Chinese Academy of Agricultural Sciences, Beijing, China, 06/2017

Zhejiang University, Department of Agricultural Economics, Hangzhou, China, 06/2017

Farzad Taheripour, "Current GMO landscape: What would happen if we don't have GMO trait?", the American Public Garden Association Conference in Hamilton, Ontario, Canada, June 19-23, 2017.

Dr. Holly Wang traveled to Wageningen, the Netherlands, Paris, France, Beijing, Nanjing, Hangzhou, Yinchuan, Kaifeng, and Hohhot, China, and Chicago to deliver the following talks for seminars and conferences, based on papers coauthored with colleagues, graduate students and collaborators. She will also promote the department's professional Master degree program with a special information meeting in each of these universities in China.

1. Chen, J., Q. Zheng, R. W. Zhang, and H. H. Wang. "Chinese Preference for Online Grocery Shopping: Shopping for Convenience, Quality or Price?" Selected Paper, Agricultural and Applied Economics Association Annual Meetings, Chicago, IL, July 2017.
2. Hao, N., H. H. Wang, B. Katare, and M. Wetzstein. "Will the new rich waste food more? Evidence from China." Selected Paper, Agricultural and Applied Economics Association Annual Meetings, Chicago, IL, July 2017.

3. Chen, J., H. H. Wang, J. Bai, and J. Lai. "Consumers' Willingness-to-Pay of Different Pork Preservation Methods in Chinese Retail Market." Organized Paper, Agricultural and Applied Economics Association Annual Meetings, Chicago, IL, July 2017.
4. Chen, J., Q. Zheng, R. W. Zhang, and H. H. Wang. "Chinese Consumers' Preference for Online Fresh Food Shopping." The Chinese Economists Society (CES) Annual Conference. Nanjing, China. June 11, 2017.
5. Katare, B., D. Serebrennikov, H. H. Wang, and M. Wetzstein. "A Theoretical Model of Achieving Social-Optimal Household Food Waste through Government Intervention." The Chinese Economists Society (CES) Annual Conference. Nanjing, China. June 11, 2017
6. Hao, N, and H. H. Wang. "Will Food Safety Concerns Lead to More Food Waste? Evidence from China." The Chinese Economists Society (CES) Annual Conference. Nanjing, China. June 10, 2017.
7. Wang, H. H. "Introduction to Agricultural Database in the U.S." Press Release of the Report of China Rural Household Development and the Conference of China Household Big Data, Hangzhou, China, June 2017.
8. Wang, H. H. and K. Chen. "Market Risk, Integration and Government Policy." Contributed Paper, the 5th International Agricultural Risk, Finance, Insurance Conference, Paris, France, June 8, 2017.
9. "Agricultural Risk, Risk Management Policy and the Frontier Research Methods: Practice in the U.S. and China." Seminar Series, Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences, Beijing, China, May 31, 2017.
10. "Does Animal Welfare Matter to Chinese? A Consumer WTP Analysis for Pork." Seminar, Business Economics Group, Wageningen University Research, Wageningen, Netherlands, June 6, 2017.
11. Same topic, Seminar, Center of Food and Health Economic Research, China Agriculture University, Beijing China, May 5, 2017.
12. Same topic, Seminar, Department of Agricultural Economics, Ningxia University, Yinchuan, China, July 1, 2017.
13. "Factoring Chinese consumers' risk perceptions into their willingness to pay for pork safety and environment attributes." Seminar, College of Economics and Management, Inner Mongolia Agricultural University, Seminar, Hohhot, China, July 9, 2017.
14. Same topic, School of Economics, Henan University, Kaifeng, China, Seminar July 10, 2017.

Publications:

Moore, Frances C., **Uris L.C. Baldos** and **Thomas W. Hertel**, 2017. "Economic Impacts of Climate Change on Agriculture: A Comparison of Process-Based and Statistical Yield Models" [Environmental Research Letters](http://iopscience.iop.org/article/10.1088/1748-9326/aa6eb2/meta) <http://iopscience.iop.org/article/10.1088/1748-9326/aa6eb2/meta> .

John M. Connor and Robert Lande. Comment on the Cartel Content in "The Empirical Basis for Antitrust: Cartels, Mergers, and Remedies," by James Langenfeld, in the *International Journal of Economics and Business* (online 7/20/2017). [<http://dx.doi.org/10.1080/13571516.2017.1339950>]

John M. Connor. *Cartels Costly for Customers: Presentation at World Bank Conference on Income Distribution: SSRN Working Paper* (June 2017). [<http://ssrn.com/abstract=2988489>]

Positions, Career and Job Sites on the Internet:

University of Tennessee: Asst/Assoc/Full Professor – Farm and Financial Management

University of Kentucky: Assist Prof of consumer Economics and Personal Finance

Purdue Extension Service: see website listed below

Career and Job Sites on the Internet

Purdue	http://www.purdue.edu/jobs
AAEA Job posting	http://www.aaea.org/employment.html
Academic Employment Network	http://www.academploy.com/
Agriculture Career Connection	http://www.ag-biz.com
Ag Careers	http://www.agcareers.com
Academic Position Network	http://www.apnjobs.com/
Academic Keys	http://www.academickeys.com
Community Colleges, misc	http://www.aacc.nche.edu/
ConAgra	(http://jobs.conagrafoods.com/
Chronicle of Higher Education	http://chronicle.merit.edu/jobs/
Education Jobs Page	http://www.nationajob.com/education
Employment/Resume posting	http://galaxy.einet.net/GJ/employment.html
EPA	http://jobs.quickhire.com/scripts/epa.exe
Foreign Ag Service	http://www.fao.org/VA/vac_en.htm

Government Career <http://www.jobsearch.usajobs.opm.gov/>
National Job Bank <http://www.jobs.joe.org>
USDA, Ag Research Service <http://ars.usda.gov>
<http://www.ams.usda.gov/lsg/hr/lajobs.htm>
U.S. International Trade Commission <http://usitc.gov>

<http://www.usajobs.gov/GetJob/ViewDetails/323686300>

http://www.federalreserve.gov/careers/intern_research.htm

<http://www.fsdinternational.org/intlopps/programs/internships1>

<http://www.fcni.org/young/intern.htm>

<http://www.uschamber.com/careers/internships/default>

<http://www.unausa.org/site/pp.asp?c=fvKRI8MPJpF&b=317257>

<http://web.worldbank.org/WBSITE/EXTERNAL/EXTHRJOBS/0,,contentMDK:20515785~menuPK:1477648~pagePK:64262408~piPK:64262191~theSitePK:1058433,00.html>

For further information, see the Job Posting File in Room 651
Contact Lou Ann Baugh concerning information to be included in future issues of



*Today I shall
behave, as if this is the day
I will be remembered.*

— Dr. Seuss



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