

Purdue Agricultural Economics Newsletter

Keeping Track

September 2017

Calendar of Events:

September 4	Labor Day
November 23, 24	Thanksgiving Holiday
December 25, 26	Christmas Holiday
January 1	New Year's Holiday
January 2	President's Designated Holiday

Photo of the Month: Dr. Nicole Widmar, Jafar and Courtney Bir at the Disney Data and Analytics Conference



Congratulations:

Marshall Martin has been appointed Associate Editor for Agriculture for the BioScience Journal. Just so he doesn't get bored, he has also been appointed Interim Director of the Indiana Agricultural Experiment Station. Congratulations!

NSF INFEWS: "WaterSmart: A cyberinfrastructure-based integrated agro-geoinformatic decision-support web service system to facilitate informed irrigation decision-making", \$142,000, **Juan Sesmero's** Role: PI of sub-award. Personally responsible for \$142,000. Period: 2017-2020.

Luis Pena Levano won the best poster award in the ENV section for posters presented at the AAEA meetings. Luis then received 2nd place in the Extension graduate study competition at the AAEA meetings.

Thought You Would Like to Know:

Otto Doering will be participating as a lead reviewer in the August 28/29th meeting in D.C. of the US EPA's Science Advisory Board. He will also be visiting with Ag Econ alums in the DC area.

Purdue Initiative for Family Firm's Quarterly Newsletter: Summer Edition

We hope that you will spend some time delving into the information that this newsletter has to offer. Included are topics of:

- Transferring Business Management
- Retirement in the Family Business
- Got Conflict?
- Gender and Business Owner Satisfaction

As in all of these newsletters, you will also find information on new resources, archived webinars, and upcoming events pertaining to family businesses (all family businesses – from farms and agribusinesses to printing businesses). Please don't wait for the next newsletter to get more information – check out PIFF's website at purdue.ag/piff. PIFF's *Question of the Month* ([found here](#)) changes monthly, and results from past months are posted as well.

Subscribe to PIFF's Quarterly Newsletter [here](#)! **Share** with anyone who may benefit from this information!

AAEA Annual Meeting Participation:

Posters

Can U.S. Agriculture Provide Agro-Pharms for Malaria Treatment: Chong Zhao, Gregory Colson, University of Georgia; Hazel Wetzstein, Purdue, Justin Porter, Purdue, Michael Wetzstein, Purdue

Dairy Farm Management Priorities and Implications: John Lai, Nicole Widmar; Christopher Wolf, MSU

Consumers' Willingness to Waste Food: Attitude toward Environmentally Responsible Behavior and Food Expiration: Nina Jovanovic, Bhagyashree Katare, Kar Ho Lim, Tennessee State University

Weather Risk and Input Use Amongst Cotton Growers in Pakistan: Hira Channa, Jacob Ricker-Gilbert, Gerald Shively, David Spielman, IFPRI

Evaluating the Nutritional Quality of Fish Farming Households in Ghana: Akua Akuffo, Kwamena Quagraine

Optimal Contracting and the Economics of Perennial Energy Crops: Tanner McCarty, Juan Sesmero, Ben Graming

Supply-side Crowding-out and Crowding-in Effects of Malawi's Farm Input Subsidy Program on Private-sector Input Marketing: A Quasi-experimental Field Study: Stevver Kaiyatsa, Charles Jumbe, Jacob Ricker-Gilbert

Optimizing the Expansion of Vehicular Fleets within a Public Entity: The Case for Electric Vehicles at Purdue University: Dawoon Jeong, Alecia Evans, Jonathan Weir

Biomass Co-Firing Potential and Land Use Changes: A General Equilibrium Study in the United States: Shanzia Sun, Thomas Hertel, Uris Lantz Baldos, Jing Liu

Crop Production, Cropland Use, and Land Intensification in Economic Models: Farzad Taheripour, Uris Lantz Baldos, Wallace Tyner

Capital Labor and Armington Constant Substitution Elasticities: A Meta-Analysis, Maksym Chepeliev, Luis Pena-Levano, Raymond J.G.M. Florax

Spatial Spillovers and Temporal Dynamics: Heterogeneous Impacts of Agricultural Cropland Allocation and Crop Rotation on Water Quality: Shanzia Sun, Juan Sesmero, Michael Delgado, Ben Gramig,

Three Improvements in Modeling Land Use Change in Global General Equilibrium Models: A GTAP Application: Xin Zhao, Dominique Van Der Mensbrugge, Wallace Tyner

The Global Economic Situation of Livestock Sector Under the Presence of Climate Change: Luis Pena-Levano, Farzad Taheripour, Wallace Tyner

Childhood Poverty Exposure and Income Mobility: Tim Smith, Michael Delgado, Raymond J.G.M. Florax

Papers

Intended and Unintended Consequences of U.S. Renewable Fuel Policies: Wallace Tyner

Impact of Ethanol Plant Spatial Competition on Local Corn Supply: A Spatially Explicit Analysis: Yanbing Wang, Michael Delgado, Ben Gramig, Juan Sesmero

Crop Yield Response Function and Ex Post Economic Thresholds: The Impacts of Crop Growth Stage-specific Weather Conditions on Crop Yield: Seong Do Yun, Yale University, Ben Gramig

Wheat Flour Raw Material Variability in Food Manufacturing: Brian Bourquard, Allan Gray, Paul Preckel

The Pricing and Depreciation Patterns of Used Tractors: Nathan Daninger, Michal Gunderson

Share and Share Alike: The Impact of Rainfall on Gendered Income Allocation in Malawi: Anna Josephson

Do Farm Land Rental Markets Really Promote Efficiency and Equity in Smallholder African Agriculture? Evidence from a Matched Tenant-Landlord Sample in Malawi: Jacob Ricker-Gilbert, Rodney Lunduka, Joseph Kanayamuka, Charles Jumbe, Stevier Kaiyatsa, Jordan Chamberlin

Can Wood Pellets Save Coal? Brandon Weiland, Juan Sesmero, Paul Preckel, Michael Wetzstein

Foreign Direct Investment and Preferential Trade Agreements in the Economic Growth of Latin America: Luis Pena-Lavano, Grade Melo

Understanding China's Soybean Boom from Historical Validation: Guolin Yao, Thomas Hertel, Farzad Taheripour

Undocumented Migration to the U.S. from Mexico: Economic Structure, Policy Options, and Impacts: Roman Keeney, Kayenat Kabir

Consumer Demand for Animal Welfare Attributes: Jayson Lusk

What Have We Learned about the Effectiveness of the RFS as Energy and Climate Policy? Wallace Tyner

Market Power in Feedstock Procurement and Economic Effects of Corn Ethanol: Jinho Jung, Juan Sesmero, Joseph Balagtas

Achieving Sustainable Irrigation Water Withdrawals: Global Impacts on Food Security and Land Use: Jing Liu, Thomas Hertel, Richard Lammers, Alexander Prusevich, Uris Lantz Baldos, Danielle Grogram, Steve Frokling

Aggregated Fractional Regression Estimation: some Monte Carlo Evidence: Jingyu Song, Michael Delgado, Paul Preckel

Estimating Latent Variable Models when the Dependent Variable is Observable: The Heterogeneous Case: Luis Pena-Levano, James Binkley

Behavioral Insights from Qualitative and Quantitative Research on Agricultural Conservation Adoption and Stated Preferences: Ben Gramig

The Effects of Reference Price on Choice Behavior: Evidence from Two Food Choice Studies: Vincenzina Caputo, Jayson Lusk, Rodolfo Nayga

Consumers' Valuation for Craft Beer: Does the Localness of Inputs Matter: Kim Ha, Shadi Attallah, Claudia Bazzani, Rodolfo Nayga

Restricted Nonlinear Pricing Schemes: A Laboratory Investigation: Jose Nuno, Joseph Balagtas, Steven Wu

Consumers' Willingness to Pay of Different Pork Preservation Methods in Chinese Retail Market: Junhong Chen, Junfei Bai

Difference-in-Difference Techniques for Spatial Data: Shanxia Sun, Michael Delgado, Raymond J.G.M. Florax, Gianfranco Piras.

Social Network Dynamics in Northeast China: Michael Delgado, Qianheng Chen

Assessing the Impacts of Postharvest Storage Technology on Household Food Security: Experimental Evidence from Uganda: Oluwatoba Omotilewa, Jacob Ricker-Gilbert, John Ainembabazi, Gerald Shively

Modeling Emission Reductions and Forest Carbon Sequestration in GTAP: Data Base and Model Improvements: Luis Pena-Levano, Farzad Taheripour, Wallace Tyner

Prioritization of Farm Success Factors by Commercial Farm Managers: John Lai, Nicole Widmar, David Ortega, Michael Gunderson, David Widmar

Chinese Preference for Online Grocery Shopping: Shopping for Convenience, Quality or Price? Junhong Chen, Qiuji Zheng, Robin Zhang, Hong Holly Wang

Optimal Timber Management Decisions in the Face of Future Uncertainties: Brent Sohngen, Alla Golub, Yangyang Cai, Thomas Hertel, John Kim

From Global to Local: Understanding the Drivers of Nitrogen Fertilizer Use and Leaching in the United States: Thomas Hertel

Extension Program Development: James Mintert

Selling Your Work without Selling Out: Jayson Lusk

Community Capitals and Small Business after Hurricane Katrina: Maria Marshall

Moderator

Joe Balagtas: New Issues in the Econometrics of Panel Data Specifications, Identification, and Estimation

Joe Balagtas: Identifying Supply- and Demand-side Drivers of Farm Productivity

Michael Delgado: Empirical Estimation of Endogenous Social Effects: Spatial Spillovers, Social Networks, and Endogenous Choice

Organizers

Luis Pena-Levano: Trends in Preferential Trade Agreements in Latin America

News from Graduate Students:



Purdue Reunion of graduate students at AAEA conference in Chicago.

Jose Nunez, Tim Smith, Yanging Wang, Chun Song, Xiaoyang He, Yangxuan Liu, John Lai, Jingyu Song, Shanxia Sun, Xiaofei Li, Jinho Jung, Goulin Yao, Xiao Xin, Liz Dobis, James Kim

Poster 'Welfare impacts of optimal virtual bidding in a multi-settlement electricity market with transmission line congestion' by **James Hyungkwan Kim, Paul V. Preckel**, Douglas Gotham, State Utility Forecasting Group, and Andrew L. Liu, Purdue University was selected to be displayed at the Heartland Workshop on Environmental and Resource Economics.

The MS-MBA program kicked off Fall 2017 with 26 students in the Class 14 cohort, as well as 26 in Class 13.

News from AGEC Undergraduates:

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:

GTAP welcomes two visitors to the Center over the next few months.

Talita P. Pinto was born in Barbacena, Minas Gerais, Brazil and started her undergraduate studies at Universidade Federal de São João del Rei in March 2008, receiving a Bachelor in Economics in March, 2013. She started the Applied Economics Graduate Program in April 2013 as a master student at Universidade Federal de Viçosa and submitted her dissertation entitled "Mobility of Primary Factors and its Effects on Economic Growth and Welfare Generated by Rural Credit in Brazilian Regions" in February, 2015. In March 2015 she began the Applied Economics Graduate Program as a PhD student at Universidade Federal de Viçosa. She is spending 10 months as visiting PhD student at Center for Global

Trade Analysis in Purdue University's Department of Agricultural Economics (2017) during her period in the Graduate Program. Talita can be reached at pintot@purdue.edu or drop by her office: KRAN 568

Jinggang Guo began his PhD program at the Department of Forest Economics at SLU, Sweden, in June 2014. The objective of his PhD project is to develop a computerized model of the forest sector in Sweden, and use the model to conduct a series of policy analysis regarding the role of forests in climate change mitigation. He has constructed a partial equilibrium model and calibrated the model for non-timber benefits such as recreational value, and has also applied the model to examine the potential and cost of increasing forest carbon sequestration in Sweden, as well as the impacts of increasing bioenergy demand on the timber markets. Jinggang can be reached at Guo473@purdue.edu or drop by his office: KRAN 568

News from the Center for Food and Agribusiness:

August 21-25 the Center hosted 16 agribusiness professionals from Argentina, Uruguay and Paraguay as part of an MOU with the University of Austral

Center for Commercial Agriculture

Presented papers, seminars and travel:

John M. Connor. Forensic Economics: Calculation of Cartel Damages and Presenting Them to the Judiciary, Presentation at the Joint workshop of the Competition Commission of South Africa, Gordon Institute of Business Science ("GIBS") in Johannesburg, South Africa (August 29, 2017).

John M. Connor. Major Trends in Global Enforcement Directed at International Cartels, Presentation at the 11th Annual Competition, Economics & Policy Conference of the Competition Commission of South Africa, Gordon Institute of Business Science ("GIBS") in Johannesburg, South Africa (August 30 to September 1, 2017).

Publications:

Bir, Courtney, Nicole J. Olynk Widmar, and Candace C. Croney. "Stated Preferences for Dog Characteristics and Sources of Acquisition." *Animals* 7.8 (2017): 59.

Farzad Taheripour, Xin Zhao, and Wallace E. Tyner (2017) "The impact of considering land intensification and updated data on biofuels land use change and emissions estimates," *Biotechnology for biofuels*, 10:191, DOI 10.1186/s13068-017-0877-y

Farzad Taheripour and Wallace E. Tyner (2017) "What Would Happen If We Don't Have GMO Traits?," in Andrew Schmitz , P. Lynn Kennedy , Troy G. Schmitz (ed.) *World Agricultural Resources and Food Security (Frontiers of Economics and Globalization, Volume 17)* Emerald Publishing Limited, pp.53 - 67

Cai, Yongyang, Alla A. Golub and Thomas W. Hertel, 2017. "Agricultural Spending Must Increase in Light of Future Uncertainties" *Food Policy* 70:71-83 <http://www.sciencedirect.com/science/article/pii/S0306919216303426>

Liu, J., Hertel, T.W., Lammers, R., Prusevich, A., Baldos, U., Grogan, D. and Froelich, S., 2017. Achieving Sustainable Irrigation Water Withdrawals: Global Impacts on Food Production and Land Use. *Environmental Research Letters* (in press).

Sesmero, J., Ricker-Gilbert, J, and Cook, A. "How do African Households Respond to Changes in Past and Current Weather Patterns? A Structural Panel Data Analysis from Malawi". Conditionally accepted by the American Journal of Agricultural Economics.

Positions, Career and Job Sites on the Internet:

University of Idaho: (4) Asst. Prof Extension – resources; Extension Educator, Asst Prof – Ag Econ, Asst. Prof commodity markets and price analysis

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/lsgjobs.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 KT

I heard internet addiction is now an official mental disorder and you can go to rehab for it. I'm only going if there's Wi-Fi.

"be strong," I whisper to my wifi signal. . . .