

## Purdue Agricultural Economics Newsletter

# Keeping Track

August 2015

### Calendar

August 8  
August 19-21  
August 24

Commencement  
Incoming Graduate Student Orientation  
Fall 2015 classes begin

**Photo of the month:** Summer Study Abroad - Italy



Dr. Scott Downey led a summer study abroad program to the Tuscany region of Italy in May. Thirteen students from Ag Econ and several other majors visited small producers of wine, cheeses, olive oil, hard meats, and other traditional products in their study of how the companies produce and market their products domestically and for export. The group is pictured here with Luigi Sidoli, who was known around the world as a specialist in infectious diseases in hogs. Mr. Sidoli had visited Purdue in the early 1980's and was very proud of the relationship. The group stayed for several days on Mr. Sidoli's family farm, Agriturismo Cavazone.

### Congratulations!

Purdue Undergraduates won the Academic Bowl at the AAEA meetings.

Luis Pena Levano and Molly Van Dop received 1<sup>st</sup> and 2<sup>nd</sup> place in the AAEA Graduate Student Extension Competition.

Summer Graduates:

Bounaffaa, Myriam MS Wallace Tyner  
Benefits and Costs of Cover Crops: A Framework for Data Collection and Analysis

Li, Xiaofei PhD Raymond Florax/Brigitte Waldorf  
The Agriculture-Urbanization Nexus in Economics: Three Empirical Studies

Michler, Jeffrey PhD Joe Balagtas/Steven Wu  
Agriculture, Food Security, and the Environment: Three Essays on Microeconomic Challenges in rural Development

Opgrand, Jeffrey MS Wallace Tyner  
Lime-Treated Corn Stover as a Livestock Feed Input: Economic and Environmental Implications

Wetzstein, Brian MS Raymond Florax/Kenneth Foster  
Econometric Modeling of Barge-Freight Rates on the Mississippi River

Yun, Seong Do PhD Ben Gramig/Raymond Florax  
Economic Dynamics of Movement: Environmental Changes and Spatial Spillover

### Thought you would like to know:

The following will be attending the International (IAAE) meetings in Milan, Italy the week of August 10<sup>th</sup>: **Wallace Tyner, Juan Sesmero, Holly Wang, Jacob Ricker-Gilbert, Thomas Hertel, Corinne Alexander, and Gerald Shively.**

**Dr. Bhagyashree Katare** will be joining the Department in August. More information to follow.

Ms. Meike Rombach from Technische Universität München is here from August to October 2015 conducting research with Dr. Nicole Widmar to develop a survey for use in primary data collection for a collaborative project about the attributes of fresh flowers desired by consumers.

Ms. Jihong Ge from Nanjing Agriculture University is here from August 2015 to July 2016 conducting research with Dr. Otto Doering to analyze the changes in farmer welfare related to the development of rural chemical industries in China.

@INTaxRockStars, **Larry DeBoer and Tamara Ogle's** Twitter Account, topped 300 followers in July. The account started in mid-November, and tweets about state and local public policy issues. At the rate they're gaining followers, they'll match Justin Bieber—in the year 183,000.

**Juan Sesmero** has received a grant for The effect of irrigation and nutrition education on dietary diversity in Ethiopia: Phase II. Identifying mechanisms behind the link between SSI and DDI and reviewing any potential linkages between NED. Sesmero's role: PI. Sponsor Name: Catholic Relief Services

**Joe Balagtas** and his co-authors won the award for Best Paper published in *Agricultural Economics* in 2014, for their paper "Did the Commodity Price Spike Increase Poverty? Evidence from a Long-run Panel in Bangladesh." His co-authors will receive the award this month at the International Conference of Agricultural Economists in Milan. Link to the paper: <http://onlinelibrary.wiley.com/doi/10.1111/agec.12066/abstract>

## Participation at the AAEE Annual Meeting – July 26-28th

### Posters:

David Widmar, Allan Gray, Michael Boehlje  
Loftus Ranches: A Hope into the Future

Jose Nuno-Ledesma  
Transmission of the International Price of Maize to the Mexican Regions

Yanbing Wang, Michael Delgado  
Financial Impact of Positive Environmental Media Release

James Binkley, Yuhang Liu  
Commodity Effects of Food Away From Home

Elizabeth Byrd, Nicole Widmar, John Lee, Ben Gramig, Michael Wilcox, Jr., Joan Fulton  
Hunters' Perspectives on Animal Welfare and Meat Demand: An Application of Maximum Difference and Choice Experiment Methods

Luis Pena-Levano, Xin Zhao, Jeff Opgrand  
Global Changes in Harvested Area in Corn, Sugarcane and Oilseeds: The Econometric Estimation of the Role of Biofuel Production, Foreign Direct Investment, Income and Population Growth

Francis Darko  
Child Malnutrition in Malawi: Does the Farm Input Subsidy Program Play a Role?

Patrick Hatzenbuehler, Philip Abbott, Kenneth Foster  
Agricultural Commodity Prices and Exchange Rates under Structural Change

Juan Pablo Sesmero, Sheng Homan, Molly Van Dop  
Water-efficient Irrigation Technology Adoption in Punjab

Amanda Bittner, Wallace Tyner, Xin Zhao  
A Techno-Economic Analysis of the Corn Stover to Aviation Biofuels Pathway

Alla Golub, Thomas Hertel, Jevgenijs Steinbuks  
Energy Price Uncertainty and Global Land Use

Rachel Hettich, Philip Abbott  
Subsidizing Carbon Sequestration via Forestry in Maryland: A Benefit-Cost Assessment

Erick O'Rear, Kemal Sarica, Wallace Tyner  
VMT Taxes: The Impacts of Switching from a Volumetric Fuel Tax to a Mileage Tax

Ariana Torres, Maria Marshall  
Does social Capital Explain Small Business Resilience After a Natural Disaster?

Danielle Carriere  
Response to Economic Shock: Impacts of Rurality and the Great Recession on Suicide Rates in the United States

### **Moderators:**

Jacob Ricker-Gilbert: Climate Change Adaptation and Impact I – Small holder Agriculture

Michael Wetzstein: Risk Management and the 2014 Farm Bill

Maria Marshall: Agribusiness Practices in Africa

Farzad Taheripour: Spatial and Land Use Models

Jeffrey Michler: Experimental Economics II – Developmental Economics Applications

Stephanie Rosch: Farm Policy II – Programs and Politics in the US

Ben Gramig: Agricultural Conservation and Land Use Changes

Michael Gunderson: Current Issues in Cooperative Finance

### **Organizers:**

Jacob Ricker-Gilbert: Guiding Investments in Sustainable Agricultural Intensification in Africa

Hong Holly Wang: Perspectives on China as the Leading US Agricultural Export Market

Michael Gunderson: Understanding the Role of Performance Management in Food and Agribusiness Firms

### **Presentations:**

Luis Pena-Levano, Farzad Taheripour, Wallace Tyner  
The Economic Benefits and Costs of Mitigating Climate Change: Interactions among Carbon Tax, Forest Sequestration, and Climate Change Induced Crop Yield Impacts

Frederi Viens, Uris Lantz Baldos, Thomas Hertel  
On the Linkages in Agricultural R&D Spending, Capital Stocks and Productivity Growth: A Bayesian Approach

Thomas Hertel, Jevgenijs Steinbuks, Wallace Tyner  
What is the Social Value of Second Generation Biofuels?

Na Hao, Gregory Colson, Michael Wetzstein  
US Ethanol and World Hunger: Is There a Connection?

Stephanie Rosch, David Ortega  
Do Search Frictions Compound Problems of Relational Contracting?

Jingyu Song, Nelson Villoira, Michael Delgado, Paul Preckel  
Fine-scale Land Use Allocation Using Maximum Likelihood

Seong Do Yun, Michael Delgado, Raymond Florax, Ben Gramig  
Does Spatial Correlation Matter in Econometric Models of Crop Yield Response and Weather?

James Binkley, Luis Pena-Levano  
Estimating Latent Variable Models When the Latent Variable is Observable

Maolong, Che, David Ortega, Hong Holly Wang  
Chinese Consumers' Perception of Imported versus Domestic Pork Quality

Dileep Birur, Angel Aguiar, Badri N Gopalakrishnan  
Impacts of India's Food Security Policy across Household Types

Jacob Ricker-Gilbert  
Rural Land Rental Markets and Household Welfare in Africa: A Synthesis of Recent Evidence from Kenya, Malawi and Zambia

Luis Pena-Levano, Octavio Ramirez, Mario Renteria Pinon  
Efficiency Gains in Commodity Forecasting with high Volatility in Prices using Different Levels of Data Aggregation

Farzad Taheripour, Harrison Mahaffey, Wallace Tyner  
Evaluation of Economic and Land Use Impacts of Substituting Non-GMO Crops for GMO in the US

Juan Pablo Sesmero, Joseph Balagtas  
Capacity Constraints and Spatial Competition in Agricultural markets

Hyungkwan Kim, Paul Preckel, James Eales, Douglas Gotham, Andrew Liu  
Impact Assessment of Time-of-Use Pricing: Evidence from a Natural Experiment in Ontario

Nestor Rodriguez, James Eales  
"Eat More Chikin" – Structural Change Via Threshold Effects: The Effects of Female Labor on US Meat Demand

Yangxuan Liu, Michael Langemeier, Ian Small, Laura Joseph, Willimam Fry  
Risk Management Strategies using Potato Precision Farming Technology

Didier Kadjo, Jacob Ricker-Gilbert, Corinne Alexander  
Does quality Affect Maize Prices in Sub-Saharan Africa? Evidence from Benin

Uris Lantz Baldos, Thomas Hertel, Keith Fuglie  
Climate change Adaptation through Agricultural R&D Investments: Implications for Food Security and the Environment

Valerien Pede, Raymond Florax, Henri De Groot, Dayton Lambert  
Defining Regimes with Alternatives Spatial Methods: Spatial Regimes, Geographically Weighted Regression and Spatial STAR Models

Hong Holly Wang, David Ortega  
Do Chinese Consumers Prefer US Meat in the Presence of Severe Food Safety Issues?

Badri Narayanan, Farzad Taheripour, Thomas Hertel, Sebnem Sahin  
Water Scarcity in South Asia: A dynamic Computable General Equilibrium Analysis

Jinho Jung, Wallace Tyner  
Economic and Policy Evaluation of Solar Energy for Indiana Business and Residential Applications

Juan Pablo Sesmero, Jinho Jung, Wallace Tyner  
Cost-Effectiveness of Policies Supporting Solar Panels in Indiana

Allan Gray  
Positioning Yourself as the "Talent" in an Agribusiness Company's Talent Management Plan

Farzad Taheripour, Thomas Hertel, Badri N. Gopalakrishnan, Sebnem Sahin  
Agricultural Production, Irrigation, Climate Change, and Water Scarcity in India

Elizabeth Dobis, Michael Delgado, Raymond Florax, Peter Mulder  
The Significance of Urban Hierarchy in Explaining Population Dynamics in the US

Allan Gray  
Performance Management and Its Role in the Growing Firm

Michael Gunderson  
Survey Results of Performance Management Practices in Middle market Firms

David Ortega, Hong Holly Wang  
Chinese Demand for Pork and Implications for the US Pork Industry: Experimental Results from Mainland and Hong Kong Consumers

## **News from the Indiana Council for Economic Education (ICEE)**

### **News from the Center for Commercial Agriculture:**

Please join us for our upcoming webinar focused on land values and cash rental rates and also take a few minutes to forward information about the webinar to farmers and agribusiness personnel in your area.

Purdue's Center for Commercial Agriculture will host a free webinar entitled "Up, Down or Sideways: Where are Indiana Farmland Values Headed?" on **Friday, August 7, at 9 a.m. (EDT)**. Although the webinar is free, [registration](#) is required to participate.

This webinar will provide updated information from the Purdue Land Values Survey conducted earlier this summer. The survey includes information about Indiana land prices, cash rental rates, and expectations about upcoming changes in the land market.

The webinar will also feature an early review of expected returns in 2016 for Indiana corn and soybean enterprises.

[Click here to register now](#). You'll receive a link for the webinar upon registration. If you're unable to attend live, you can still register and we will email you a link to the recording later.

### **Purdue Agricultural Economics Report (PAER)**

Have you read the summer issue of the Purdue Agricultural Economics Report? [Click here to download the summer 2015 issue](#). Featured articles in this issue focus on:

- Consumer perceptions of animal agriculture.
- Farm labor efficiency.
- Indiana farmland taxes.



- Global corn production systems

## News from the Center for Global Trade Analysis



### [23<sup>rd</sup> Annual Short Course in Global Trade Analysis](#)

*"Introduction to Applied General Equilibrium Analysis in a Multi-Region Framework"*

The [Center for Global Trade Analysis](#), in the [Department of Agricultural Economics](#), recently held the [23<sup>rd</sup> Annual Short Course in Global Economic Analysis](#) from July 11-17, 2015 on the campus of Purdue University.

The Annual Short Course in Global Trade Analysis is a long-standing, educational offering by the Center for Global Trade Analysis which aims to introduce participants to a standardized framework for conducting global policy analysis in an applied general equilibrium setting; to provide participants with ample hands-on training with software that has been tailored to global economic analysis; and to give participants the opportunity to interact with economists working on global trade and resource use issues while becoming part of the international GTAP Network. In total, 24 individuals from 13 different countries representing government offices, international agencies, the private sector and academia participated in this course.

For further information on this event, please visit: [http://www.gtap.agecon.purdue.edu/events/Short\\_Courses/2015/](http://www.gtap.agecon.purdue.edu/events/Short_Courses/2015/).

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 our Graduate Students:

**Anna Josephson** will be presenting at ICAE in Milan in August.

**Jeffrey Michler** will be presenting two papers at ICAE in Milan, August 8<sup>th</sup> and serving as Organizer for symposium on applying contract theory to developing wood agriculture.

**Jeffrey Michler** will be presenting a paper at the Econometric Society World Congress in Montreal.

## Presented papers, seminars, travel:

**Hertel, T.W.** "Climate Adaptation and Mitigation: An Economic Perspective on Land-based Policies and Food Security", plenary talk to the IPCC Summit on Food Security, Dublin, Ireland, May 28, 2015.

**Hertel, T.W.** "Agricultural Impacts of Climate Change: Adaptation and Mitigation", presentation to the 21<sup>st</sup> annual meeting on Integrated Assessment of Climate Change, Snowmass, Colorado, July 28, 2015.

**Hertel, T.W.** "Green Revolutions Past and Future: Implications for Food Security and the Environment", presentation to the EAAE-IATRC Conference on Global Food Security, Milan, Italy, August 7-8, 2015.

**Hertel, T.W.**, based on a paper with Uris Baldos and Keith Fuglie "Appraising the gains from R&D-led climate adaptation in agriculture", presentation at the International Conference of Agricultural Economists, Milan, Italy, August 10, 2015.

## Publications:

**Zhao, Xin, Otto C. Doering, and Wallace E. Tyner.** "The economic competitiveness and emissions of battery electric vehicles in China." *Applied Energy* 156 (2015) pp. 666-675.

Mueller, Steffen, Stefan Unasch, **Wallace E. Tyner**, Jennifer Pont, and Jane M-F Johnson. "Handling of co-products in life cycle analysis in an evolving co-product market: A case study with corn stover removal." *Advances in Applied Agricultural Science* 3 (2015), issue 5, pp. 8-21.

Wicke, B., van der Hilst, F., Daioglou, V., Banse, M., Beringer, T., Gerssen-Gondelach, S., Heijnen, S., Karsenberg, D., Laborde, D., Lippe, M., van Meijl, H., Nassar, A., Powell, J., Prins, A. G., Rose, S. N. K., Smeets, E. M. W., Stehfest, E., **Tyner, W. E.**, Versteegen, J. A., Valin, H., van Vuuren, D. P., Yeh, S. and Faaij, A. P. C. (2014), "Model collaboration for the improved assessment of biomass supply, demand, and impacts." *GCB Bioenergy*. doi: 10.1111/gcbb.12176

**Sun, Shanxia, Sesmero, Juan**, and Schoengold, Karina. "The Role of Common Pool Problems in Irrigation Inefficiency: A Case Study in Groundwater Pumping in Mexico", accepted for publication by *Agricultural Economics*.

## Jobs:

Western Kentucky University – Assist Prof – entrepreneurship/marketing/sales

Texas A & M: Assist Prof – Energy Market Analysis and Decision Making

American University Beirut: Faculty member – Food Security Program

University of Nebraska: Faculty – Ag and rural Cooperatives

University of Saskatchewan: 2 positions – Management/Finance and Marketing and Risk

Kansas State University: IO, Risk Management, Natural Resources

Texas A&M: Assist Prof- Energy market Analysis

## Internships:

<http://crs.org/about/careers/fellowships/>

Dow AgroSciences

## Career and Job Sites on the Internet:

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/](http://jobs.conagrafoods.com/)

Chronicle of Higher Education	<a href="http://chronicle.merit.edu/jobs/">http://chronicle.merit.edu/jobs/</a>
Education Jobs Page	<a href="http://www.nationajob.com/education">http://www.nationajob.com/education</a>
Employment/Resume posting	<a href="http://galaxy.einet.net/GJ/employment.html">http://galaxy.einet.net/GJ/employment.html</a>
EPA	<a href="http://jobs.quickhire.com/scripts/epa.exe">http://jobs.quickhire.com/scripts/epa.exe</a>
Foreign Ag Service	<a href="http://www.fao.org/VA/vac_en.htm">http://www.fao.org/VA/vac_en.htm</a>
Government Career	<a href="http://www.jobsearch.usajobs.opm.gov/">http://www.jobsearch.usajobs.opm.gov/</a>
National Job Bank	<a href="http://www.jobs.joe.org">http://www.jobs.joe.org</a>
USDA, Ag Research Service	<a href="http://ars.usda.gov">http://ars.usda.gov</a>
	<a href="http://www.ams.usda.gov/lsg/hr/lajobs.htm">http://www.ams.usda.gov/lsg/hr/lajobs.htm</a>
U.S. International Trade Commission	<a href="http://usitc.gov">http://usitc.gov</a>

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

[http://www.federalreserve.gov/careers/intern\\_research.htm](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