



# ABE-Notes



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AGRICULTURAL & BIOLOGICAL ENGINEERING

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## Projects Funded

**Dennis Buckmaster** - \$29,360 - Delmhorst Instrument Company. “Electronic Forage Moisture Meter Evaluation/Calibration/Probe Assessment”.

**Richard Stroshine** - \$6,070 - Agricultural Research Service. “Physical and Chemical Properties of Shelled Corn Related to Conditioning, Drying, and Processing”.

**Bernard Tao** - \$111,435 - Indiana Soybean Alliance. “Biodiesel Refining and Quality”.

**Richard Stroshine** - \$23,700 - Indiana Soybean Alliance. “Indiana Soybean End-Use Quality Traits Initiative (Year 5)”.

**Bernard Tao and Arvind Varma** - \$38,704 - Indiana Soybean Alliance. “Catalytic Conversion of Glycerin to Dihydroxyacetone (DHA)”.

**The Millionaire’s Club** - recognizes personnel in the College of Agriculture who have been awarded a \$1M or higher grant - ABE members are; Osvaldo Campanella, Nathan Mosier and Miroslav Sedlak.



## Grants/Funding Opportunities

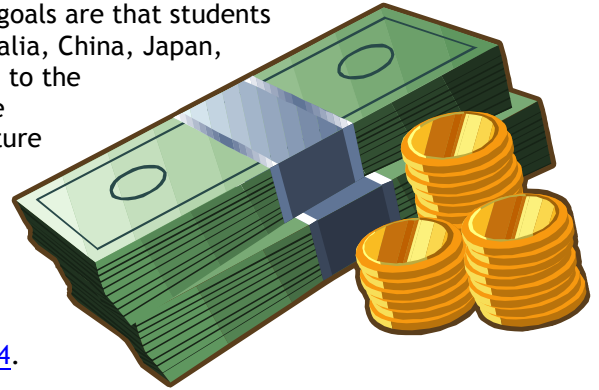


**The National Science Foundation** - has released a new solicitation for the *Partnerships for International Research and Education (PIRE)* program, which seeks to catalyze a higher level of international engagement in the U.S. science and engineering community by supporting innovative, international research and education collaborations. The program will enable U.S. scientists and engineers to establish collaborative relationships with international colleagues in order to advance new knowledge and discoveries at the frontiers of science and engineering and to promote the development of a diverse, globally-engaged U.S. scientific and engineering workforce. International partnerships are, and will be, increasingly indispensable in addressing many critical science and engineering problems. The request for proposals is available at

<http://www.nsf.gov/pubs/2009/nsf09505/nsf09505.htm>. Internal deadlines are as follows:  
**Monday, December 8:** Letters of Intent due to the OVPR. **Monday, January 5:** Preproposals due to the OVPR. **Thursday, January 8:** Preproposal rankings due to the OVPR.

Please note: Letters of intent, preproposals, and rankings to the OVPR should be e-mailed to [OVPRlimited@purdue.edu](mailto:OVPRlimited@purdue.edu). Purdue's limited submission policy and template for letters of intent may be found at <http://dagon.admin.purdue.edu/cgi-bin/lid.cgi>. For any case in which the number of internal letters of intent received is no more than the number of proposals allowed by the sponsor, the OVPR will notify the PI that an internal preproposal will be unnecessary.

**National Science Foundation's East Asia & Pacific Summer Institutes (EAPSI)** for US graduate students pursuing science and engineering. The goals are that students are provided with first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; an introduction to the science, science policy, and scientific infrastructure of the respective location; and an orientation to the society, culture and language. The primary goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts, for more information visit - [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5284](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284).



**USDA International Science and Education (ISE)** - request for applications should be issued on November 15. The process should be the same as last year, except that the maximum per proposal will be raised to \$150,000. Abstracts of previous proposals are available at: [http://cris.csrees.usda.gov/cgi-bin/starfinder/0?path=isecglink.txt&id=anon&pass=&search=CG=-51160\\*%20and%20gy%3e2002&format=WEBTITLES](http://cris.csrees.usda.gov/cgi-bin/starfinder/0?path=isecglink.txt&id=anon&pass=&search=CG=-51160*%20and%20gy%3e2002&format=WEBTITLES).

**2009 ASABE Blue Ribbon Educational Aids Competition** - the entry deadline is changed to January 15, 2009. For entry categories and instructions visit the web page at - <http://www.asabe.org/awards/educomp/index.html>.

**Frederick N. Andrews and Russell O. Blosser Environmental Travel Grant** - a complete grant announcement can be found at <http://www.gradschool.purdue.edu/funding>.

## Publications & Papers Presented



**Ale, S, L.C. Bowling, S.M. Brouder, J.R. Frankenberger and M.A. Youssef** - Simulated effect of drainage water management operational strategy on hydrology and crop yield for Drummer soil in the Midwestern United States. Agricultural Water Management, In press.

**Naz, B.S., S. Ale, L.C. Bowling** - Detecting subsurface drainage systems and estimating subsurface drain spacing in intensively-managed agricultural landscapes. Agricultural Water Management, In press.

## ABE News



### **Congratulations to the following ABE faculty**

Outstanding Agriculture Teacher - Klein Ileleji

Outstanding Counselor - Dennis Buckmaster

Outstanding Engineering Teacher - Gary Krutz

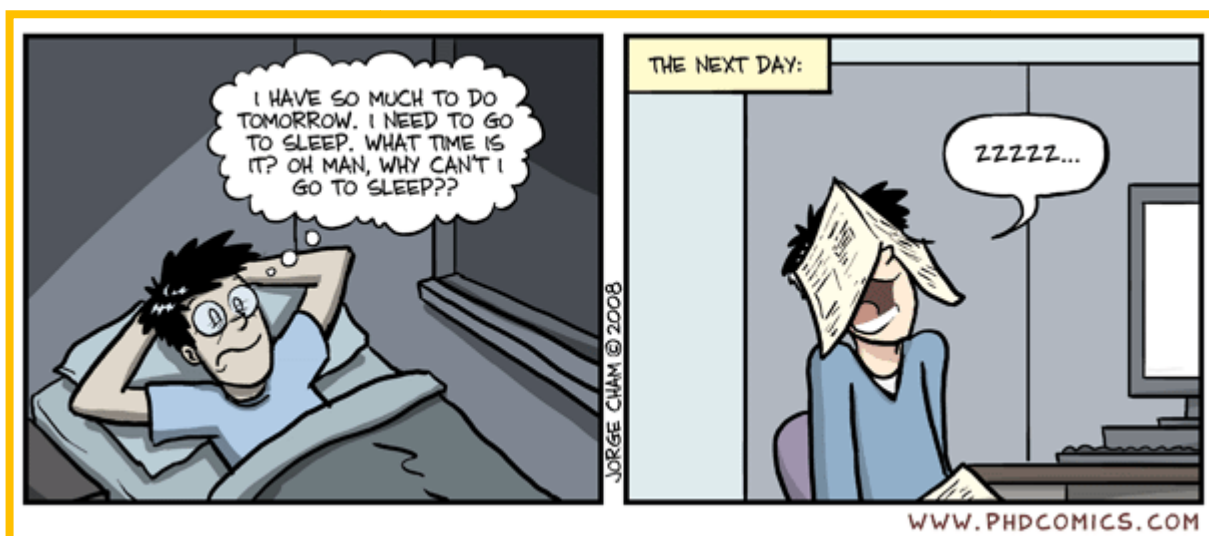
**Professor Don Jones** - a retirement celebration will be held on Friday, January 16, 2009 beginning at 3:00 pm at the Beck Center in West Lafayette, Indiana. For more information, including directions to the Beck Center visit our web page at [www.purdue.edu/ABE](http://www.purdue.edu/ABE).

## Student News

**Decagon Devices Fellowship** - In memory of their long-time Chairman of the Board, Professor of Forestry and Range Management Dr. Grant A. Harris, Decagon Devices is offering \$10,000 worth of Decagon research instruments to a graduate student studying any aspect of environmental science. This year's committee will be emphasizing studies that propose continuous monitoring of the natural environment as part of their research methods. Details of the fellowship and application materials are available online at [www.decagon.com/gaharris](http://www.decagon.com/gaharris).

**Mark Thomas** - ABE Ph.D. student presented a poster at a joint China-US Workshop on "Bioenergy Consequences for Global Environmental Changes", held in October in Beijing, China. The workshop was geared towards developing a large scale framework for joint research/education programs between China and the United States in the area of sustainable bioenergy production, feedstock management and technology transfer.

**Jose Garcia** - participated in the International Joint Tribology Conference from October 20<sup>th</sup> thru the 22<sup>nd</sup> in Miami, Florida. He presented a poster there with excellent comments from industry, and academia.



## Alumni News

**Emily Raderer (BS ABE '07)** - is now working at Texas A and M's Urban Solutions Center in Dallas doing research. She married fellow Purdue graduate Allen Guzik in October.



**Jada Phillabaum (BS ABE '97)** - was recognized as a 2008 recipient of the Emerging Leader Award from the Society of Women Engineers. Phillabaum is a marketing recruitment and development supervisor in Caterpillar's Marketing and Product Support Division. Jada is responsible for supervising the development of 14 marketing representatives as well as leading Caterpillar's recruitment efforts by recruiting and placing employees and interns.



**Purdue University Agricultural Alumni Fish Fry** - will be held on February 7<sup>th</sup> at the Toyota Blue Ribbon Pavilion at the Indiana State Fairgrounds starting at 11:30 am. The Fish Fry is the annual meeting of the Purdue Agricultural Alumni Association. Tickets are \$20 and must be purchased in advance. Tickets are available by contacting the Purdue Ag Alumni office at 765-494-8593 or by email at [agalumni@purdue.edu](mailto:agalumni@purdue.edu).

**David Yung (BS ABE '08)** - and his parents visited with Purdue President France Cordova when she attended the Purdue Alumni Event in November in Hong Kong, China.



**Brad Lukas (BS ABE '96)** - welcomed a new member to the family! Paxton Carter Lukac was born on November 11 (same day as her daddy) she weighed in at 8 lbs 3 oz and was 20 inches long.

**Dr. Kelsi Bracmort (MS ABE '01, PhD. ABE '04)** - has accepted a new position as an analyst in agricultural conservation and natural resources policy for the Congressional Research Service (CRS).

## FYI



Looking for a job or internship -  
check out the ABE web page at -  
[https://engineering.purdue.edu/ABE/InfoFor/CurrentStudents/job\\_opportunities.html](https://engineering.purdue.edu/ABE/InfoFor/CurrentStudents/job_opportunities.html)

## Calendar

<b>December 2008</b>	
4-6	Indiana Farm Bureau Convention - contact Anna Todd at 317-692-7857
13	Fall Classes End
15	Faculty Meeting - 12:30 pm - ABE #301
15-20	Fall Final Exams - Semester Ends.
17	Indiana Certified Crop Advisor (CCA) meeting - contact Lisa Green at 494-4783
20	Fall Semester Ends
21	Fall Commencement - 2:30 pm
25, 26	University Holiday
<b>January 2008</b>	
1-2	University Holiday
12	Spring Semester Begins
12-14	Indiana Association of Soil & Water Conservation Districts Annual Conference in Indianapolis - contact Danica Kirkpatrick at 494-9113
12-14	Indiana Green Expo at the Indiana Convention Center - contact Mike Mickelbart at 494-7902
13-15	Fort Wayne Farm Show - contact Danica Kirkpatrick at 494-9113
19	University Holiday
<b>February 2008</b>	
7	Ag Alumni Fish Fry at the Indiana State Fairgrounds - contact Donya Lester at 494-8593
11-14	National Farm Machinery Show and Tractor Pull - Kentucky Exposition Center - contact Danica Kirkpatrick at 494-9113
14	Valentine's Day
16	Presidents Day
<b>March 2008</b>	
8	Daylight Savings Time Begins
16	Student Spring Break Begins
21	Student Spring Break Ends

