



## BSE Spring 2016 Newsletter

### News from the Department Chair - Doug Reinemann

We just finished another semester and graduated over 30 seniors. We are also expecting the largest enrollment of freshmen in the history of the department in the spring. Student numbers continue to climb with increased interest in engineering and our specialized area of the applications of engineering principles to the design, management and control of the machines and structures for feeding the world and improving environmental systems. We are launching a campaign to improve our teaching facilities to accommodate increasing class sizes and to stay current with our peer departments across the country. Our primary goal is to develop a facility to help our students take their ideas and turn them into creative reality in our senior design sequence. All the best to our alumni and friends and we hope to connect with you in the coming year.

### BSE Spring Update

#### CALS Associate Dean Shutske to return to BSE faculty



After serving as CALS associate dean for extension and outreach and Cooperative Extension's agriculture and natural resources program director for eight years, John Shutske plans to return to return to BSE Faculty

after July 1, 2016. [Read more about the move here.](#)

#### BSE Graduate Applies Education to "Real-World" Situations with Peace Corps



BSE Alumna Rita Argus is currently in Senegal, West Africa, where she has been working with a Senegalese master farmer to train local farmers in sustainable agriculture and agroforestry practices.

[Read the full article here.](#)

#### Inexpensive In-Field Manure Solids Tester

BSE's Becky Larson, Assistant Professor, and John Panuska, Extension Specialist, show how an a simple device can help reduce adverse impacts from agriculture in the recent edition of Applied Engineering in Agriculture.

[Read more here.](#)

#### Changing the Way Farmers Farm - Adapting Farm Technology

Assistant Professor Brian Luck briefly explains some of the new technology available to farmers. Read the

[Wisconsin State Farmer article in full here.](#)

#### BSE Professor Steps into Role as Faculty Director of CALS International Programs

BSE Professor Sundaram "Guna" Gunasekaran recently stepped into a new role.



[Read about his vision for CALS International Programs here.](#)

#### Professor Reinemann Helps Artist Prepare for Voyage



Photo courtesy of the Wisconsin State Journal

Department Chair Dr. Doug Reinemann usually sings shanties about milking machines. Now he will be singing seashanties to help Amy

Franceschini's class prepare for a journey from Oslo to Istanbul this fall.

[Read the full article here in the Wisconsin State Journal.](#)

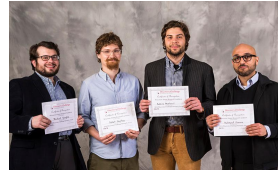
**Professor Guna  
Recognized for  
Contributions to  
International  
Student  
Community**

Congratulations to Dr. Sundaram

"Guna" Gunasekaran who recently received the Outstanding Faculty Award from UW-Madison International Student Services! The award recognizes a faculty member who has gone above and beyond the call of duty to provide assistance and support to international students on the UW-Madison campus.



**BSE Graduate Student  
Receives WARF Discovery  
Challenge Award**



BSE's Mahmoud Sharara, Research Associate with Dr. Troy Runge, was recently awarded a Discovery Challenge Award from the Wisconsin Alumni Research Foundation for his work on balancing the economic costs with environmental impacts of supplying biomass to cellulosic ethanol facilities.

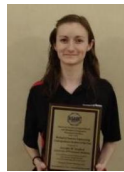
[Read more about the award here.](#)



**Larson and Panuska Co-  
Author Superior Paper**

BSE's Rebecca Larson and John Panuska, along with Peter Vadas, Dennis Busch, and Laura Good, authored "A New Model for Phosphorus Loss in Runoff from Outdoor Cattle Lots" which has been selected to receive a 2016 ASABE Superior Paper Award. Congratulations!

**Jennifer Sanford -  
Biological Systems  
Engineering Student of  
the Year!**



Congratulations to Jennifer Sanford, who recently was awarded the BSE Student of

the Year Award by the Wisconsin section of the ASABE. This award honors an undergraduate BSE student for achievement in preparation for a career in the profession.

**Dr. David Bohnhoff -  
Career Achievement  
Award!**



Congratulations to Dr. Bohnhoff the recipient of the Agricultural and Biological Engineering Career Achievement Award from the Wisconsin section of the ASABE. This award honors a Wisconsin Section member who has made outstanding contributions to Agricultural and Biological Engineering through work in research, education, design, and/or extension.

**Joshua Harmon - BSE  
Graduate Student of the  
Year!**



The Wisconsin section of the ASABE recently granted Joshua Harmon with the BSE Graduate Student of the Year Award! This award recognizes a BSE graduate student for singular achievement in developing and/or advancing the technology of engineering in food and agriculture.



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