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IOWA STATE UNIVERSITY  
Department of Agricultural and Biosystems Engineering

## ABE Alumni E-News | Spring Edition | January 31, 2016

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### New ABE faces

From left to right: Steve Bell (Lecturer), Joe Vanstrom (Lecturer), Dirk Maier (Professor). Click on their photos to read more about them.



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### Video: Agriculture and Life Sciences Career Day - alumni advice



Video by Jared Calvert

### Industrial Education II building demo

Demolition of Industrial Education II, on the northwest corner of Stange Road and Pammel Drive, is near completion in preparation for the construction of the [Advanced Teaching and Research Building](#). For more pictures of the demolition, [click here](#).



### Augmented reality sandbox

By using an Xbox 360 and some sand, students are able to visualize the path water takes in watersheds of their own design. Click [here](#) for more pictures.



### Video: Senior capstone



Video by Jared Calvert

### Making an impact - ABE research and extension highlights

PI: **Adina Howe**

COI: **Michelle Soupir**

Award Amount: \$999,346

Title: Diversity of antibiotic resistance genes and transfer elements quantitative monitoring (DARTE-QM) for environmental samples

PI: **Gretchen Mosher**

COI: **Dirk Maier**

Award Amount: \$140,000

Title: Training on prevention of grain dust explosions

PI: **Mehari Tekeste**

Award Amount: \$22,780

Title: Evaluation of low inflation tire technologies on traction performance and soil compaction

COI: **Chenxu Yu**

Award Amount: \$115,146

Title: Prediction of pork sensory quality using raman spectroscopy

### **ABE Alumni in the news**

- [I Tec alum, Mandara Savage to lead SIU extended campus](#)
- [I Tec alum elected to The Toro Company Board of Directors](#)
- [AST alum new addition to Peoples Company land management team](#)
- [Eugene Sukup: Fall 2015 Honorary Degree Recipient](#)
- [Ag engineering alum helps design conceptual urban farm at MN agriculture workshop](#)

### **More ABE news**

- Water quality continues to be a problem in Iowa that attracts statewide attention and a call for answers. [See how ABE](#) and Iowa State University Extension and Outreach are helping to build a #StrongIowa.

### **E-News schedule**

ABE Alumni E-News is published on a quarterly basis. The next issue will be published April 30, 2016. If you have news items or event dates to include, please send them to Dana Woolley by April 15.

### **Connect with us**

Check out our YouTube Channel for more video content including alumni advice at career days, the water jet in action, and the Cyclone Power Pullers team.



ABE @ ISU is distributed by the Department of Agricultural and Biosystems Engineering.

If you have questions or news items to suggest, please contact Dana Woolley at [dwoolley@iastate.edu](mailto:dwoolley@iastate.edu).

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