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IOWA STATE UNIVERSITY
Department of Agricultural and Biosystems Engineering

ABE Alumni E-News | Spring Edition | April 30, 2016

U.S. News rankings: ABE grad program ranks 2nd nationally

Iowa State University's agriculture and biosystems engineering program jumped another spot to **No. 2** in U.S. News and World Report's national graduate school rankings released on March 16, 2016.

The department's undergraduate program was also ranked **No. 2** by U.S. News and World Report.

ABE has the highest ranked program in ISU's history.

Read more [about Iowa State's rankings](#) from Iowa State University News Service.



Conservation proclamation



Government use of technology has potential to increase food security

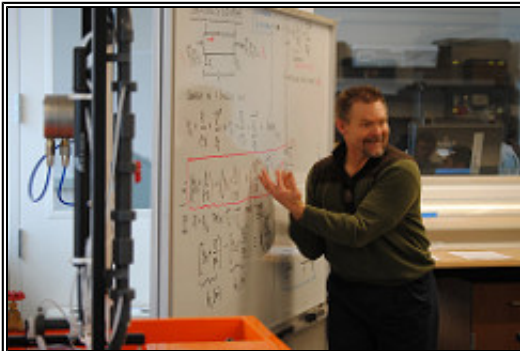
It's projected that the world population will reach 9.6 billion people by 2050, and therefore food production must increase by 70 percent. But Prashant Rajan, an adjunct assistant professor of [English](#) and communication studies, and Shweta Chopra, an assistant professor of [agricultural and biosystems engineering](#), say production is not the only solution to meet the growing demand for food.

“A lot of people talk about how to increase production. We found that production is not a challenge in some areas. There is enough food, but the problem is logistics and providing access to food,” Chopra said. “Communication and information technology can improve access to food and trace where the food is coming from and how it's being processed, rather than just putting all the resources into production.”

For the full story, [click here](#).



Class Highlights: ABE 110 - [Pipe Flow Lab](#)



ABE facility feature: 3D metal printer

The [Des Moines Register](#), [KCCI](#) and [WHO](#) stopped by to take a closer look at the 3D metal printer housed in our building and found out why this particular machine will be a "game changer" in the manufacturing industry.

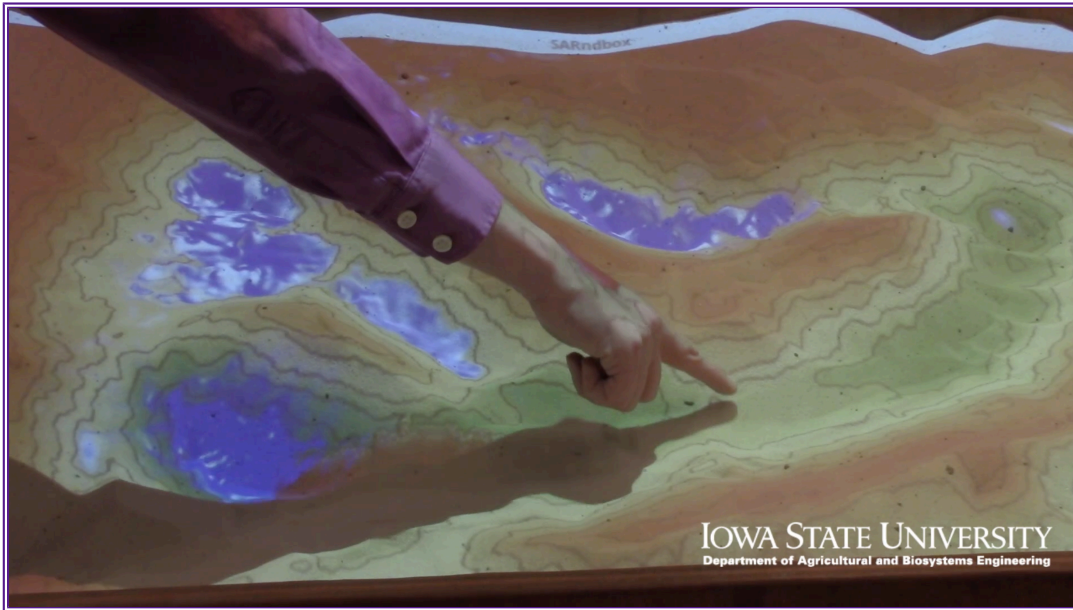


Photo by Roger Riley WHO-HD

Lawn Mower Service Days - AST Club

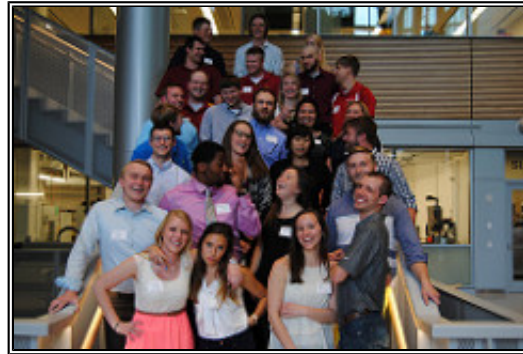


Video: Augmented reality sandbox



Video by Jared Calvert

Senior recognition dinner



Making an impact - ABE research and extension highlights

PI: **Steven Freeman**

Award Amount: \$98,472

Title: MAAPS: Monitoring advising analytics to promote student success

PI: **David Grewell**

Award Amount: \$51,590

Title: Soy based lawn, field and horticultural products-soy flour binder for biochar

PI: **Amy Kaleita-Forbes**

COI: **Michelle Soupier**

Award Amount: \$60,085

Title: Does increasing landscape diversity in farmed closed depressions (potholes) increase profitability and ecosystem services

PI: Dirk Maier

Award Amount: \$17,591

Title: Third edition of the grain drying, handling and storage handbook (Midwest Plan Service-13) using NC-213 multi-state expertise for national impact

PI: Charles Schwab

Award Amount: \$12,536

Title: National agricultural safety database

ABE Alumni in the news

- [Schmidt \(B.S. 1997 & M.S. 1999\) receives outstanding service award](#)
- [Environmental Stewardship is Life's Work for Lemke \(B.S. 1972\)](#)
- [AST alum's quest for knowledge takes him to Germany](#)

More ABE news

- For the latest stories, check out our [newsfeed](#).

E-News schedule

ABE Alumni E-News is published on a quarterly basis. The next issue will be published July 31, 2016. If you have news items or event dates to include, please send them to Dana Woolley by July 15.

Connect with us

Share your story! We are looking for alumni to participate in a new website feature - alumni profiles. If you are interested or want more information, please contact Dana Woolley at dwoolley@iastate.edu



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.

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