

Materials Science and Engineering

IOWA STATE UNIVERSITY
College of Engineering

Elements

Grow it! Wear it! Keep the Earth Happy!



May 2014

Forty teams competed in Washington, D.C. this April at the U.S. Environmental Protection Agency's [National Sustainable Design Expo](#). Iowa State's team was one of seven winning teams who will advance to the next phase of product development.

The three Iowa State graduate students included Gauri Ramasubramanian, an MSE graduate student supervised by MSE Research Assistant Professor Samy Madbouly. Prof. Madbouly was one of three faculty advisers to the team.

[Read more.](#)

MSE Highlights

Rohit Trivedi, retired MSE Distinguished Professor, will be presented with an award for the results of his NASA work "Breathing Modes in Cellular Interface Pattern Formation" at the 3rd Annual International space Station Research and Development Conference in Chicago next month.

- The work was selected as "one of the top discoveries in microgravity on the ISS (International Space Station) in 2013."
- Trivedi will also be on the panel "Top Discoveries in Microgravity" at the conference.

Tommy Geske and Trent Borman (S14BSMatE), along with two other team members from the Electrical and Computer Engineering Department, proved that it is possible to [extract electrical energy from waste heat](#) at the ECpE Senior Design Demonstration on May 30 .

Kara Lind, currently pursuing a PhD degree with Ludovico Cademartiri, earned third place in a poster competition at the [International Workshop on on Engineered Crops](#) held in Des Moines on April 28.

Three MSE alumni have received [NSF Research Fellowships](#) for showing the potential to be future leaders in their fields.

- Alex Bruce (BSMatE'12)
Currently at Purdue University
- Mandi (Caudle) Buffon (BSMatE'12)
Currently at University of California Santa Barbara
- Lisa Rueschhoff (BSMatE'13)
Currently at Purdue University