

## Mechanical Engineering @ Iowa State



### InCyde Mechanical Engineering December 11, 2009

This will be the last issue of *InCyde Mechanical Engineering* in 2009. We'll start up again at the beginning of the spring semester. Please continue to submit news and story ideas to [Jessi Strawn](#). Have safe and happy holidays!

#### Getting hands-on with CAD

Students in the ME computer-aided design (CAD) course got to see their on-screen designs take true form this semester.

After creating a model of a wheel using a CAD modeling software program, each group of students loaded their designs into the department's rapid prototyping machine. From there, the machine heated and melted acrylonitrile butadiene styrene plastic bit by bit to develop a scaled-down prototype of the design.

Within the course, senior lecturer Emmanuel Agba aims to emphasize the entire engineering process—moving from design to analysis, then to prototyping and manufacturing—all while keeping optimization in mind. ([Full story](#))

#### Kelkar awarded patent

Professor Atul Kelkar was issued U.S. patent no. 7,623,993, entitled "Method and system to perform energy-extraction based active noise control."

#### Commencement activities planned

The department will host a reception to honor undergraduates on Saturday, December 19, 2009, in the Alumni Center. The reception will begin with a continental breakfast at 9 a.m. followed by a student recognition program. Faculty and staff are requested to RSVP by December 11 through the [Alumni Events Web page](#). The undergraduate commencement ceremony starts at 1:30 p.m. in Hilton Coliseum.

The College of Engineering is hosting a master's/PhD precommencement reception on Friday, December 18, 2009. The event will take place from 5:30 to 7:30 p.m. in #220–240 Scheman at the Iowa State Center and will feature an informal student recognition program, hors d'oeuvres, and a cash bar. Faculty and staff are requested to RSVP [online](#) by December 11. The university commencement ceremony for the Graduate College is at 8:00 p.m. in C. Y. Stephens Auditorium.

#### Dimensions posted online

The latest issue of [Dimensions](#), the department's alumni newsletter, is online. Check it out and learn more about the Solar Decathlon Team, departmental research, and the nuclear engineering minor. If you have any story ideas for the next issue, please submit them to [Jessi Strawn](#).

Do you have department news you'd like to share? Please e-mail news items for InCyde Mechanical Engineering to Jessi Strawn at [jlstrawn@iastate.edu](mailto:jlstrawn@iastate.edu)

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