

Mechanical Engineering @ Iowa State



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Senior ME student awarded honors grant

Ilya Ellern, an ME senior who will graduate with honors in spring 2010, received a University Honors Program Grant worth \$702. The grant will support expenses related to Ellern's honors capstone project, "Deca-Stage Assembly Lightweight Composite Car Body."

Pletcher to receive ASME Award

Richard Pletcher



Professor Emeritus Dick Pletcher will receive the American Society of Mechanical Engineers (ASME) Heat Transfer Memorial Award on November 17. The award will be presented during the International Mechanical Engineering Congress and Exposition and is bestowed on individuals who have made outstanding contributions to the field of heat transfer through teaching, research, practice, and design, or a combination of such activities.

Pletcher is receiving the Heat Transfer Memorial Award in the area of science of heat transfer for "seminal contributions to the field of heat transfer, particularly developments in computational heat transfer when that technology was in its infancy; and for contributions to the development of computational approaches for separated flows with heat transfer, viscous-inviscid interaction methods, and large-eddy simulation through research, education, and archival literature."

Honey Creek Resort State Park to be home for Iowa State solar house

After successfully competing in the U.S. Department of Energy's Solar Decathlon on the National Mall in Washington, D.C., Iowa State University's student-designed and built solar house has found a permanent home: Honey Creek Resort State Park at Rathbun Lake in southern Iowa. ([News release](#))

Bryden's start-up focuses on reducing C0₂ emissions

Roger Ferguson and ME Associate Professor Mark Bryden spent large chunks of their careers working for the U.S. Navy as nuclear power plant engineers, one on the East Coast and the other on the West Coast. So go figure; now they're working together in Iowa on a project to enable coal-fired power plants to burn biomass with coal. ([News release](#))

Mark Bryden



Got some news or a photo op coming up?

The Department of Mechanical Engineering wants to get the word out about interesting projects or activities going on in our classes or research laboratories. If you have an event or are working on a neat experiment, please let [Jessi Strawn](#) know so she can coordinate photography and news coverage.

ME in college's *Innovate* magazine

The fall 2009 issue of *Innovate* is now online. As you check it out, be sure to read the articles that include faculty and students from the ME department.

- "[A World of Difference](#)" features student service projects, including the department's sustainability and appropriate technology courses, along with the work of Engineers Without Borders and Engineers for a Sustainable World.
- See what [Erin MacDonald's research](#) is all about.
- You can also read archived stories, like the profile on [Pranav Shrotriya](#).

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

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