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Jerrie Fiala, Editor: jerrie.fiala@wmich.edu**Tues., Dec. 4, conference to showcase 42 senior engineering projects**

The 40th **Conference on Senior Engineering Design Projects** – set for **Tues., Dec. 4** – features 42 projects presented by 105 seniors who represent programs in six CEAS departments. The 25-minute presentations are scheduled to begin between 9 a.m. and 3 p.m. at the Parkview Campus. The event is free and open to the public, and parking is available.

All sessions begin exactly on the hour and half hour. No projects will be presented during the lunch break from 12 to 1 p.m.

The **Department of Mechanical and Aeronautical Engineering (MAE)** is offering two concurrent sets of sessions to accommodate 17 projects completed by 39 students: 10 sessions from 9 to 3 in D-109 and 7 from 9 to 1:30 in D-204/205.



Seniors **David Ludens** (left), an aeronautical engineering major, and **Ian Smith**, a computer science major, work on their senior design project to develop an autonomous flight computer to control an unmanned aerial vehicle. The computer is installed under the wing of a kit plane to handle the plane's orientation. Advising the project are **Dr. Kapseong Ro** (aeronautical) and **Dr. John Kapenga** (computer science). The presentation is set for 10:30 a.m. in D-204/205.

The **Department of Electrical and Computer Engineering (ECE)** plans to present 9 projects by 28 students from 9 to 2:30 in D-115.

The **Department of Industrial and Manufacturing Engineering (IME)** has scheduled seven projects by 19 students from 9 to 1:30 in D-208.

The **Department of Civil and Construction Engineering (CCE)**, 11 students are offering four presentations between 9 and 11 in D-201.

Two presentations by five students in the **Department of Computer Science (CS)** are scheduled at 9 and 9:30 in D-206.



Mechanical engineering senior **Grant Adams** prepares a part for a project that he and ME senior **Grant Gillispie** have undertaken to develop a microprocessor controlled suspension system that allows a driver to make adjustments from within the cockpit. **Dr. Koorosh Naghshineh** is adviser and **Sweet Manufacturing, Inc.** is the sponsor. The project presentation is set for 1 p.m. in D-204/205

Three students from the **Department of Paper Engineering, Chemical Engineering, and Imaging (PCI)** will present three projects between 9 and 10:30 in D-202.

Sponsors for this semester's projects include the following: **Accumold, Inc., American Axle, Arvco Containers, Bacchus Wine and Spirits, Bronson Methodist Hospital, Cometic Company, Downs Design Group, Fox 17 News, Herman Miller, Humphrey Products Company, Innotec, Kalamazoo Humane Society, Lakeshore Antique Tractor Pulling Club, NASA Michigan Space Grant Consortium – University of Michigan, Perrigo Company, Stryker Medical, Sweet Manufacturing, Inc., TechnCare-Tronlabs, and Thomas and Judith Sullivan.**

About 30 faculty and administrators are serving as advisers for the projects. Some are serving on more than one project. Professors chairing the various sessions are **Dr. Sherif Yehia (CCE), Dr. John Kapenga (CS), Dr. John Gesink (ECE), Dr. Betsy Aller (IME), Dr. Muralidhar Ghantasala (MAE) and Dr. Tianshu Liu (MAE), and Dr. Peter Parker (PCI).**

A complete schedule of project presentations is available at <http://www.wmich.edu/engineer/senior-design-conference.htm> For more information about the conference, call **Laura Decker** at 269-276-3251.

Send your thoughts or suggestions for future topics to the editor at jerrie.fiala@wmich.edu Thank you.