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Jerrie Fiala, Editor: [jerrie.fiala@wmich.edu](mailto:jerrie.fiala@wmich.edu)**Tues., Dec. 2, conference to showcase 42 senior engineering projects**

The 43<sup>rd</sup> **Conference on Senior Engineering Design Projects** – set for **Tues., Dec. 2** – features 36 projects presented by 99 seniors from five CEAS departments. The event is free and open to the public; parking is available.

The 25-minute presentations are scheduled to begin between 9 a.m. and 1:30 p.m. at the Parkview Campus. All sessions begin exactly on the hour and half hour. No projects are presented during the lunch break from 12 to 1 p.m.



**MAE...** To test the feasibility of thrust vectoring on an unmanned aerial vehicle to reduce take-off distance are (from left) ME senior **Curtis Trinkle**, Dr. **Kapseong Ro**, project advisor, AE senior **Travis Iott**, and **Taesung Kuk**, graduate student. The project will be presented at 10 a.m. in D-206.

The **Department of Mechanical and Aeronautical Engineering (MAE)** is offering two concurrent sessions for 14 projects completed by 35 students: 8 presentations from 9 to 2 in D-109 and 6 from 9 to noon in D-206.

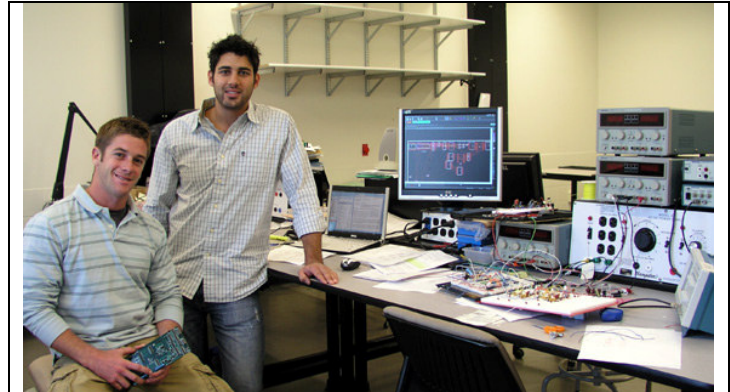
The **Department of Industrial and Manufacturing Engineering (IME)** has scheduled 8 projects by 24 students from 9 to 2 in D-201.

The **Department of Electrical and Computer Engineering (ECE)** is presenting 7 projects by 22 students from 9 to 1:30 in D-208.

From the **Department of Civil and Construction Engineering (CCE)**, 11 students are offering 3 presentations between 9:30 and 11 in D-115.

Four presentations by 9 students in the **Department of Computer Science (CS)** are scheduled at 9 and 11 in D-204/5.

Sponsors for this semester's projects include the following: **AC Foundry, Decco Software, Diagnostic Systems, Associates, Eaton Corporation, eInternet Design, Fantom Racing, FEMA Corporation, Frank's Shoe Parlor, Kelen**



**ECE...** To create a printed circuit board to be used in an amplification and stimulation system for neural studies, EE seniors **Evan Daiek** (left) and **Troy Caruso** built the circuit on a breadboard, verified circuit operation, and then designed the printed circuit board. The third EE senior SEDP member is **Eric Jones**. Advisors are **Drs. Brad Bazuin, John Gesink, Damon Miller, and Frank Severance**. Presentation set for 11 a.m. in D-208.

**Sales Consulting, LLC, Parker Hannifin Corporation, Stryker Medical, and Whirlpool Corporation.**

About 30 faculty and administrators are serving as advisers for one or more projects. Professors chairing the various sessions are **Dr. Hobo Cai (CCE), Dr. John Kapenga (CS), Dr. John Gesink (ECE), Dr. Betsy Aller (IME), Drs. Rameshwar Sharma and Pnina Ari-Gur (MAE), and Drs. Claudia Fajardo and Christopher Cho (MAE).**

**IME...** To improve quality in foundry processes are (from left) MFT senior **Ron Davis** (left), Dr. **Sam Ramrattan**, project advisor, and MFT senior **Mike Horvath**. The third member of the SEDP is UEM senior **Alex Hiday**. The project can be seen at 9:30 a.m. in D-201.



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 **Tamara Bergman** at (269) 276-3248.

Send your thoughts or suggestions for future topics to the editor at [jerrie.fiala@wmich.edu](mailto:jerrie.fiala@wmich.edu) Thank you.