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April 17 conference to showcase 71 senior engineering projects

The 40th Conference on Senior Engineering Design Projects – set for Tues., April 17 – features 71 projects presented by 185 seniors who represent programs in seven CEAS departments. The 25-minute presentations are scheduled between 9 a.m. and 4:30 p.m. at the Parkview Campus. No projects will be presented during the lunch break from 12 to 1 p.m. All sessions begin exactly on the hour and on the half hour.



For their senior engineering design project, electrical engineering seniors install wiring for a robotic vision system for the FIRST robotics competition: (from left) **Mike Powsiad** from Ann Arbor, **Faris Khawandeh** from Jordan, and **Noumousa Tounkara** from Mali. Advisor for the project is **Dr. Ikhlas Abdel-Qader** and the FIRST project advisor is **Dr. Tarun Gupta**

The **Department of Mechanical and Aeronautical Engineering (MAE)** is offering three often concurrent sets of sessions to accommodate 18 projects from 9 to 11:30 a.m. in C-122 and C-123 and from 9 a.m. to 2:30 p.m. in D-115.

The **Department of Industrial Design** will present 13 projects from 9 a.m. to 4:30 p.m. in D-109. The **Department of Computer Science (CS)** plans nine project presentation from 10 a.m. to 3:30 p.m. in D-206. The **Department of Electrical and Computer Engineering (ECE)** will present nine projects from 9 a.m. to 2:30 p.m. in D-204/5.

The **Department of Industrial and Manufacturing Engineering (IME)** has scheduled eight presentations from 9 a.m. to 2 p.m. in D-201. The **Department of Paper Engineering, Chemical Engineering, and Imaging (PCI)** offers eight presentations from 11 a.m. to noon in D-202 and from 1 to 4 p.m. in D-208. The **Department of Civil and Construction Engineering (CCE)**, is providing six projects from 9 a.m. to noon in D-208.

Corporate sponsors for the projects include Aeromobile, Inc.; Allgrosso Racing; Armstrong International, Inc.; Autocam – Pax; Consumer's



Anthony Serge, a senior in manufacturing engineering technology from Novi, analyzes plastic parts in a senior design project in which he, **Matt Dawson**, and **Ryan Miller** studied cooling effectiveness in plastic injection molding. Advisors for the project are **Dr. Paul Engelmann** and IME graduate assistant **Brian Sather**.

Energy / Nuclear Management Company; Cytec Industries, Inc.; Dana Corporation; Dragun Enterprises; Duncan Aviation; Eaton Filtration, LLC; Graphic Packaging International; Haworth – Design Studio; Hospital Network Healthcare Services; Humphrey Products Company; Invensys Controls; JKK Consulting, LLC; Landscape Forms; Metal Technologies; Michigan Department of Transportation; Kalamazoo Transportation Service; New Concept Products; ND Designs; Pfizer, Inc.; Slingshot Bicycles; Stryker Medical; TechCare-TronLabs; Texas Instruments, Inc.; Tiger Studio Design; and ToughCoat Custom Powder Coating LLC..

About 50 faculty and administrators are serving as advisors for the projects. Some are serving on several projects. Professors chairing the various sessions are **Dr. Sherif Yehia (CCE)**; **Dr. John Kapenga (CS)**; **Dr. John Gesink (ECE)**; **Dr. Roman Rabiej (ID)**; **Drs. Betsy Aller and Bob White (IME)**; **Drs. Bade Shrestha, Rameshwar Sharma, Iskender Sahin, Javier Montefort, Christopher Cho, and Koorosh Naghshineh (all MAE)**; and **Dr. Peter Parker (PCI)**. For more information about the conference, call **Laura Decker** at 269-276-3248.

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