

## CEAS projects showcased at 2009 WMU Day in Lansing

Late last spring, about 700 WMU supporters traveled to Lansing for the second annual WMU Day. Several CEAS projects were among the more than 30 showcased at the event aimed at introducing legislators to WMU. Here are some photos submitted by **Abe Poot** and the PCI department. In addition to those pictured on this e-news, the CEAS also featured **Dr. John Patten** and his plug-in hybrid electric vehicle.



**Concrete Canoe:** WMU American Society of Civil Engineers [ASCE] students **Allison Doty, Adam Eaton, Ryan Stoughton, and Mike Romkema** brought **Black Pearl** – this year's entry in the North Central concrete canoe competition.

**RoboBronco:** **Manthiramurthy Paramasivam** talks to RoboBronco. **Dr. Tarun Gupta**, a professor in the Department of Industrial and Manufacturing Engineering (IME), and a team brought RoboBronco, a six-foot tall robot with a friendly horse face. Gupta mentored a robotic team of area high school students who call themselves the Quantum Ninjas, in the FIRST competition



**FSAE car:** The WMU Formula racing team of the Society of Automotive Engineers (SAE) brought this year's entry in the 2009 Formula SAE® Michigan competition. The WMU team successfully completed all events at the competition, which requires teams to design and build a formula-style race car

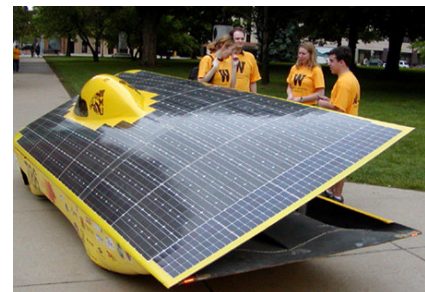


**CAPE:** Presenting examples of printed electronics from the new Center for the Advancement of Printed Electronics (CAPE): front (L to R): **Dr. Margaret Joyce, Dr. Massood Atashbar, and Sara Lara**; back (L to R): **Dr. Erika Hrehorova, Dr. Marian Rebros, Michael Joyce, Dr. Dan Fleming.** **Dr. Jounghmin Cho** is missing from photo



**Flying Machines:** **Dr Kapseong Ro** led the development of a plane with solar panel wings (in front of the van) and teamed up with **Dr. Jun-Seok Oh** and a team to develop the unmanned aerial vehicle (UAV) for traffic and emergency surveillance that is on top of the van. Team members **DaeWoon Park** and **Taeseung Kuk** also participated.

**Sunseeker 05:** WMU's solar car team reviewed Sunseeker 05 features while solar car adviser **Abraham Poot** photographically documented CEAS projects.



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