

Please join us for the

Fall 2008 EMA 469

Senior Design Competition Presentations



Dr. Elder & Prof. Hershkowitz

Wednesday December 10, 2008

2:15 – 6:00 pm online or on campus

1106 Mechanical Engineering Building

Eight Competing Design Teams

**1513 University Avenue
Madison, WI 53706**

(Optional online viewing instructions are attached)

Engineering Mechanics & Astronautics

Department of Engineering Physics



**COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON**

Competing Design Teams



2:30pm BBC – The Better Bottle Cleaner efficiently and thoroughly cleans glass bottles: Ben Blaser, Mai Lee Chang, Eric Magayne, Jason McDowell, Derek Palm



2:55pm Delce Master is a snow blower attachment for simultaneously dispensing deicing fluid while blowing snow: Patrick Christians, Jeff Jones, Melissa Kleine, Rob Kuether, Jena Lange



3:20pm Improved Over-bed Table is a redesigned hospital over-bed table increasing adaptability to variable use scenarios: Kevin Hart, Chris Lietz, Travis Marks, Dan Morgan, John Springmann



3:45pm Snobility attaches to existing manual wheelchairs and allows them to successfully traverse 2 inches of snow and icy surfaces: Josh Bogie, Nick Endter, Ryan Grisa, Devin Lundey, Erik Nelson



4:10pm The Go-Wheel is a bicycle wheel design allowing storage and release of kinetic energy to help propel the bicycle: Don Lyons, Josh Smith, Aaron Towne, David Younk, Maio Zhang



4:35pm Tired and Deflated is a system allowing re-inflation of a flat automobile tire automatically when a flat occurs: Tommy Jakab, Doug Knox, Katie Kotarek, Ryan Srnka, Ben Ward



5:00pm The Assistive Golf Chair allows persons with limited use of their legs accessible means to play the game of golf: Danielle Alling, Amanda Blaschko, Dylan Brown, Austin Kazda, Peter Penegor



5:25pm The Somnus Shade is a unique, affordable system for blacking out a bedroom window allowing the user to sleep in complete darkness at any time of day: Claude Drehfal, Andrew Elizondo, Miguel Gallego-Geisen, Eric Liegel, Brandon Roeder

EMA 469 Design Contest: ONLINE VIEWING

ACCESSING LIVE EMA 469 PRESENTATIONS FOR VIEWING

Step One: Navigate to <http://mediasite.cae.wisc.edu/mediasite/catalog>

Step Two: Click on EMA 469 Final Presentations

IMPORTANT NOTICES: FIREFOX USERS

a) A recent version of Windows Media Player is required (version 9 is not sufficient, version 11 is, version 10 may be sufficient). Version 11 can be downloaded free from the link below should one choose to do so.

www.microsoft.com/windows/windowsmedia

b) Windows Media Player Plugin for Firefox is necessary (the mediasite prompts this required download and links to the location) and can be had from the link below

<http://port25.technet.com/page/windows-media-player-firefox-plugin-download.aspx>

INTERNET EXPLORER USERS

a) Internet Explorer needs to be run "with add-ons". This is the way Internet Explorer usually runs and should be the default unless the user specifies otherwise.

b) A recent version of Windows Media Player is required (version 9 is not sufficient, version 11 is, version 10 may be sufficient). Version 11 can be downloaded free from the link below should one choose to do so.

www.microsoft.com/windows/windowsmedia

Troubleshooting:

a) If unable to view live video the presentations may not have started yet or satisfaction of the notices listed above is not complete.

b) If able to view live video of the presentations but the color is wrong (primary colors of red, blue and green) an updated version of Windows Media Player is required (see notices above).