



Engineering and Physics Scholarship Day

Please join us next Wednesday (May 9) for a celebration of scholarship in Engineering and Physics. Feel free to attend any combination of sessions as you are able.

10:00 – 11:15 Senior Project Session I – Esbenshade 163

- 10:00 "Solar Boat Electrical System" by John Artieda
- 10:15 "Hydraulic Pneumatic Storage for Solar Cabin Power" by Robert Blevins
- 10:30 "The Accelerated Universe?" by Robyn Dunstan
- 10:45 "Balance Recovery in Young and Middle Aged Women" by Garry Brock
- 11:00 "LabVIEW Laboratory projects Computer Engineering Courses" Juan Pablo Rodriguez

11:30 – 12:45 Lunch and Awards Ceremony

- Lunch provided – at the Lake Placida Gazebo, weather permitting*
- Hager Scholars (outstanding academic merit – returning students)
- First year student awards
- Custer award (outstanding 3+2 transfer student(s))
- Reber award (outstanding graduate(s))
- Outstanding Senior Project award(s)
- Sigma Pi Sigma* inductees

1:00 – 1:45 Senior Project Session II – Gible Auditorium

- 1:00 "Using Arena Simulation to Optimize Accumulation Equipment Placement in a Manufacturing Plant" by Kaitlin Hartzell
- 1:15 "Hershey Project I" by Amlan Banerjee
- 1:30 "Hershey Project II" by Arindam Kanjilal

1:45 – 4:00 7th Annual Miniconference on Robotics and Machine Intelligence – Gible

- 1:45 P&E Senior project: "Laser Range Finder for Wunderbot IV" by Mark Dinse
- 2:00 EGR 280 "International Robotics and Machine Intelligence Research at the Italian Institute of Technology" by Juan Pablo Rodriguez
- 2:15 "Case Study Summary of the 2006 IGVC Competitors" by David Coleman and EGR 100 students
- 2:30 EGR 280 "Wunderbot IV Vision System" by James Painter
- 2:45 EGR 280 "Path-Planning Algorithms for Wunderbot IV" by David Coleman
- 3:00 EGR 280 "Wunderbot IV Communication Protocol for IGVC 2008" by Jeremy Crouse
- 3:15 EGR 280 "Computer Aided Architectural Drawings for new Robotics and Machine Intelligence Lab" by Amelia Alft, Bryan Kuppe, and Mathew Loman
- 3:30 "Analysis of PennDOT's Mitsubishi Robotic Arm" by Drew Graybeal
- 3:45 "Past, Present, and Future Etown Robotics and Machine Intelligence" by James Painter, David Coleman, Nicholas Diaduk, and J. Wunderlich (alumni Justin Shade and Tom Yeager of Phoenix-Contact)