



Computer Engineering Program



Senior "Capstone" Project Presentation Day

Thursday, June 8, 2006 ~ ESB 1001 and ESB Courtyard



Schedule of Events

- 9:30 to 11:30 – Breakfast Treats / CE Project Presentations (morning session)
- 11:30 to 1:15 – Poster Session / Pizza Lunch / EE & CS Dept Awards
- 1:15 to ~5:00 – CE Project Presentations (afternoon session)

Overview

189 A/B Course	Student groups design a significant computer-based project. Groups work independently but may, if desired, cooperate to address sub-projects within a larger overall project context, interacting as appropriate via interface specifications and informal meetings.
"Capstone" Projects	The Computer Engineering Capstone project gives CE students the opportunity to put their education into practice. Students, working in small teams, design and engineer innovative hardware and software systems using techniques from robotics, circuits design, communications and wireless networking, and real-time systems.
Presentation Day	Computer Engineering Seniors will participate in a poster session and conduct presentations of their final "Capstone" group projects from the CE 189A/B courses.

Projects

Morning Session – 10:00 to 11:30	
<ul style="list-style-type: none"> - GameStud: (10:00) A rapid prototyping tool for electronic video game design & development - Hydra: (10:30) Customized Music Content on the Go - Parking L.O.T. System: (11:00) Using sensor nets to determine parking lot capacity in real-time 	
Afternoon Session – 1:15 to ~5:00 (~ 25 minutes per group - in the order below)	
<ul style="list-style-type: none"> - H R B E: Holonomic Robot Bluetooth Environment - InfoPoint: Point & Click Portable Information Terminal - Tag Along: Autonomous Robotic Vehicle that Tracks and Follows an IR Transmitter - Gaicho-9000: An MP3 Player - Cycling Assist: Bicycle-Mounted Data Gathering and Analysis - Bar Buddy: An Automated Drink Mixing System - Motion Tracker: Tracks Moving Objects in a Video Field of View - B E A S T: Basic Electronic Area System Transporter 	

