Senior “Capstone” Design Project Presentations (ECE 189A/B)

Date: Thursday, June 5, 2003
Time: 2:00pm to 4:30pm
Location: Engineering II, Pavilion

Senior Computer Engineering students are required to take a two quarter sequence (either CMPSC 189A/B or ECE 189A/B) as their Computer Engineering Senior "Capstone" Design Project. The Capstone Project brings together previous knowledge learned, builds confidence, and teaches team-development skills.

Today’s Presentations:

Auto-Pilot: Brandon Barnes, Chris Erro, Ed Heyward, Guy Morgenshtern
Takes over control of an R/C model plane and flies it around a pre-planned trajectory using GPS.

IR Badge: Victor Chang, Sunil Kaki, Yu Hiroki Kato, Daniel Salce
Uses infrared LEDs on a small electronic badge to automatically exchange information and match and display interests of the wearers. Displays use visible LEDs and also incorporate sound.

MP3 Player: David Ansari, Greg Hoover, Mike Hu, Tony Mora, Alex Sanks
Portable MP3 player with small LCD screen and internal disk.

Paging Service: David Bai, Arthur Blough, Rahul Deb, Willis Hayes, Jeff Li, Peter Schroeter
Wireless pager that can receive messages and display them on an integrated LCD screen.

“Sentry” Intrusion Detection Robot: Hung Lam, Matt Weathersby, Kyle Wilson
Autonomous surveillance robot that can roam about within a large space to detect motion and heat (IR) signatures.

Class website: http://vulcan.ece.ucsb.edu/ece189