



# Computer Engineering Program



## Senior “Capstone” Project Presentation Day

Thursday, June 5, 2008 ~ ESB 1001 / 2001 and ESB Courtyard

### Schedule of Events

8:30am to 10:00 (ESB 2001): Breakfast Treats / ECE 188 and LITE Presentations  
10:00 to 12:00 (ESB 1001): Breakfast Treats / CS 189 “Capstone” Project Presentations  
12:00 to 1:00 (ESB Courtyard): Pizza Lunch / Group Poster Session  
1:00 to 5:00 (ESB 1001): Cake / ECE 189 “Capstone” Project Presentations

### Overview

The students will participate in a poster session and conduct presentations of their final group projects from the CS 189, ECE 189, ECE 188 courses and the LITE (Leadership in Team Engineering) Program

### Presentation Projects

TO SEE GROUP WEBSITES GO TO <http://www.ce.ucsb.edu/capstone.htm#proj>

#### LEADERSHIP IN TEAM ENGINEERING (LITE) PROJECT – ESB 2001

**IDEAS: (9:00)** Aimed at creating an innovative game that teaches children about environmental conservation.

#### ECE 188 PROJECT – ESB 2001

**BIGXELS: (9:30)** A simple efficient, low-cost, very-large-scale picture element display using high-power LEDs and networked lighting control.

#### CS 189 PROJECTS – ESB 1001

**Phase 2: (10:00)** Automated computer infrastructure security assessment tools.

**Cyborg: (10:30)** Transcribed voicemail application incorporating SMS, Email and more on Google's Android mobile device platform.

**ConnectRD: (11:00)** Video conferencing on the desktop using the web browser only and the ability to incorporate audio-only participants via voice-over IP.

**Picard: (11:30)** Using MapReduce and Cloud Computing to try and win the Netflix Prize, a recommendation algorithm competition.

#### ECE 189 PROJECTS – ESB 1001

**CFit: (1:00)** Digital personal trainer.

**PTS: (1:25)** Hospital patient tracking system.

**Microtouch!: (1:50)** Touchscreen MP3 player.

**HiCam: (2:15)** Remote control blimp with camera.

**Icebreaker: (2:40)** Social awareness device.

**Acoustik: (3:05)** MP3 player.

**Quasi-M070: (3:30)** Bluetooth audio switch.

**WAM: (3:55)** Wide-area Mesh Network.

**Safe Teen Driver: (4:20)** GPS auto tracker.

**A Special Thank-You To Project Sponsors:** CallWave, Citrix Online, Google Inc., Lattice Semiconductor Corp., Microchip, Novacoast, PCB Express/SunStone Circuits, Rapid Prototypes, and RightScale



<http://www.ce.ucsb.edu/capstone>