

# Capstone Senior Project Day

## CS & ECE 189A/B and ECE 188A/B

Thursday, June 2, 2011 – 9:00am to 5:15pm

**Morning** - CS 189 Projects: Opening remarks (9:00), MarkIt! (9:10), WhichAisle (9:30), Snuffle (9:50), Koala (10:10), Bookaroo (10:30), Mobversus (10:50), Team 2.0 Induco (11:10), iBreatheFootball (11:30), Awards (11:50)

**Poster Session and Pizza Lunch (sponsored by Citrix Online):** ESB Courtyard - Noon to 1:00pm

**Afternoon** - ECE 189 Projects: Jam Session (1:15), SpinScreen (1:45), SSSS (2:15), Kwik-E-Kart (2:45), BITS (3:15)

**Afternoon** - ECE 188 Projects: IRIS (3:45), BIOGRAPHIX (4:15), SwitchStat (4:45)

### CS 189 A/B (Instructors: Chris Kreugel (A), Rich Wolski (B) / TAs: Hans Nielsen ,Teri Lampoudi)

- **MarkIt!** (9:10): iPad app with PDF viewer and markup tool intended to increase efficiency on construction sites by mobilizing resources only available in the trailer — M. Gross, J. Kingery, K. Lee, G. Nelson
- **WhichAisle** (9:30): a mobile app that helps grocery store customers find items by allowing the creation of lists and mapping of items on a given store layout — M. Decoteau, S. Gala, J. Goren, C. Pawley
- **Snuffle** (9:50): a multi-network event aggregation API that allows developers to retrieve events in a unified format from sources like FBook and Last.fm — S. Burau, A. Khanov, M. Kwiat, V. Patnala, R. Phung
- **Koala** (10:10): an additional system for securely adding authenticated computing nodes as resources to the Eucalyptus cloud platform directly — J. Castaneda, B. Fleischhacker, E. Lee, D. Sanders
- **Bookaroo** (10:30): a fun and user-friendly interactive children's book creator and reader for the iPad — A. Greenfield, C. Piccolo, S. Strickland, D. Todorovic
- **MobVersus** (10:50): crowdsourced web-app that allows for dynamic comparison and review of any products of choice regardless of how different they are — J. Ebentier, K. Hwang, T. Kaehler, D. Sauerbrun
- **Team 2.0** (11:10): management application with improved scalability, availability, and security to allow users to access the software from a browser and share docs; balance the processing load across the cloud; and provide user authentication wrapped around it — A. Ngo, M. Kloster, S. Abraamyan
- **iBreatheFootball** (11:30): a social game for sports enthusiasts worldwide — A. Alok and W. Li

### ECE 189 A/B (Instructor: Steve Butner / TAs: Nilesh Modi - Fall 10, Samantha Alt - Spring 11)

- **Jam Session** (1:15): portable audio recorder subsystem that can be clipped inside an acoustic guitar to make a recording — M. Hardee (project leader), M. Paer, P. Bybee, B. Welke
- **SpinScreen** (1:45): spinning color display system — K. Tomei (project leader), N. Akey, M. DiMartino
- **SSSS** (2:15): Super Scalable Sonic Sensor — A. Ballinger (project leader), R. Bahneman, C. Wu
- **Kwik-E-Kart** (2:45): smart shopping cart that "knows" what items are currently residing within it — L. Garcia (project leader), C. Aguirre, F. Villegas, S. Sanchez
- **BITS** (3:15): Bluetooth Imaging Theater System. R. Pakbaz (project leader), L. Singh, J. Malcolm, D. Trinh

### ECE 188 A/B (Instructor: Ilan Ben-Yaacov)

- **IRIS** (3:45) - a Fresnel thermoelectric power generator system — Charles Garcia, Ashok Kodigala
- **BIOGRAPHIX** (4:15) - a compact front-end biosensor data-logger — Simon Bill, Alvin Fong, Star Li, Blayne Tolleson
- **SwitchStat** (4:45) - an electrochemical multiplexing board — Alex Wolf, Max Pourshalchi, Jarred Hare

