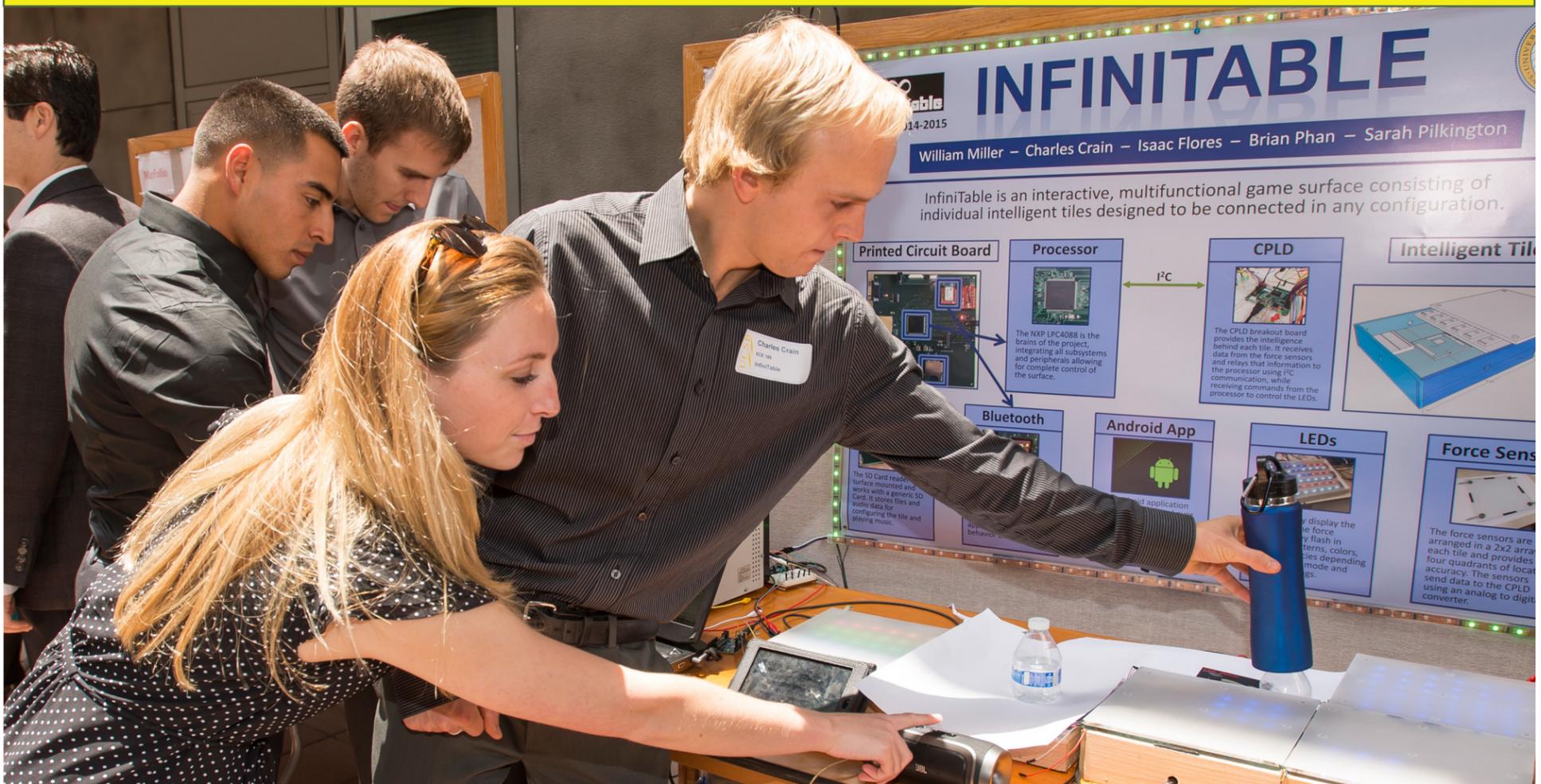


Computer Engineering ECE 189A/B Capstone Presentation Day



Thursday, June 2, 2016

Engineering Science Building (ESB), Room 1001 and Courtyard

Presentations - Morning (9:00-12:00pm) & Afternoon - (1:00-3:30pm) in ESB 1001

Posters & Free Pizza @ Noon to 1:00pm in the Engineering Science (ESB) Courtyard

Best Project Award Presentations @ 3:30pm in the Engineering Science (ESB) Courtyard Stairway

ECE 189 A/B - Instructor: Dr. John Johnson / TA: William Miller

Morning Presentations - (9:00-12:00pm) in ESB 1001

9:00 am — Opening Remarks: Dr. John Johnson, Instructor

9:15 – ChessMate: an interactive, LED illuminated chess board that enhances player experience with digital board augmentations

Team: Jeremiah Schultz, Philip Lo, Jason Dahn, Alex Babicz

9:45 – Soil Smart: a wireless sensor network that monitors and records soil conditions

Team: Jacob Adams, James Cornell, Jesus Vega, Peter Marcelo, Ricardo Morones

10:15 – OstraCam: an underwater machine vision platform that records bioluminescent plankton using cameras and external sensors with the goal to build a model of the individual emissions

Team: Bobby Heyer, Caio Motta, Eddie Franco, Jovan Hernandez, Molly Smith

11:00 – BULB by SONOS: a light bulb speaker that connects to any light bulb socket and is controlled via WiFi to produce audio in conjunction with lighting effects

Team: Nico Soberanes, Zaira Tomayeva, Jose Maun, Randy Picchini, Eric Jin

Posters & Free Pizza - (Noon to 1:00pm) in the Engineering Science (ESB) Courtyard

Afternoon Presentations - (1:00-3:30pm) in ESB 1001

1:00 pm – UCSB Hyperloop Drive: a communications, telemetry, and control unit entered in SpaceX's Pod Competition

Team: Celeste Bean, Connor Buckland, Benjamin Hartl, Cam McCarthy, Connor Mulcahey

1:45 – dVA: a software tool for analyzing and visualizing test data taken from semiconductor processes

Team: Sam Dowell, Blake Hall, Christopher Hindman

2:15 – Heart Buddy: a portable armband that provides help before or as soon as an accident occurs via sensors such as heart beat, body orientation, and acceleration

Team: Jairo Hernandez, Jose Reyes, Andrew Pagan, Andrew Villagomez

2:45 – D.A.T.A. (Dynamic Automated Tuning Air) Suspension System: designed to automatically facilitate smooth riding and prevent damage to the vehicle body

Team: Jonathan Rodriguez, Evan Hsiao, George Pina, Elton Wu

Best Project Award Presentations - (3:30pm) on the Engineering Science (ESB) Courtyard Stairway