Thursday, June 4, 2015
Engineering Science Building (ESB), Room 1001 and Courtyard

Morning: ECE 189 in ESB 1001 (9:30-11:00) | CS 189 in ESB 1001 (11:00-12:00) | ECE 188 in the ESB Courtyard (10:00-12:00)
Posters & Free Pizza (Noon to 1:00pm): Engineering Science (ESB) Courtyard
Afternoon: (1:00-3:00): CS 189 in ESB 1001

2015 Best Project Award Presentations: ECE 189 & ECE 188 @ 1:00pm | CS 189 @ 4:30pm

ECE 189 A/B (ESB 1001) – Instructor: John Johnson
MORNING SESSION ONLY — 9:30am to 11:00am
* 9:30am — Opening Remarks: Dr. John Johnson, Instructor
* 9:45am — InfiniTable: an interactive, multifunctional table made up of individual tiles that users can connect in any configuration
  Team: William Miller, Sarah Pilkington, Charles Crain, Isaac Flores, Brian Phan
* 10:20am — Open Sesame: a portable door security accessory that can unlock doors remotely with WiFi via an Android or iOS app
  Team: Eric Taban, Grant Apodaca, Jeffrey Bolin, Richie Agpaoa, Evin Sellin

POSTERS & PIZZA LUNCH in the ESB Courtyard — 12:00pm to 1:00pm

ECE 188 A/B (ESB Courtyard) – Instructor: Ilan Ben-Yaacov
MORNING SESSION — 10:00am to Noon
* 10:00am — FreshBox: a fresh take on the age old problem of (not so) dirty clothes
  Sponsor: Dr. Aaron Rowe / Team: Henry Huang, Amir Khazaeei, Ernesto Ortiz, Yunwei Zhou
* 10:25am — HummingbIRd: Stabilized Gimbal for Drone
  Sponsor: FLIR Systems / Team: Tal Bernard, Vincent Komala, Victor Wu, Patrick Yin
  Sponsor: FLIR Systems / Team: Jason Farkas, Sullivan Morsa, Sean Tauber
* 11:20am — SONEST: Speaker Reliability Test System
  Sponsor: Sonos / Team: Jordan Pringle (lead), Melissa Anewalt, Scott Waltstead, Peter Gaede

POSTERS & PIZZA LUNCH in the ESB Courtyard — 12:00pm to 1:00pm

CS 189A/B (ESB 1001) – Instructor: Chandra Krintz (A), Tim Sherwood (B)
MORNING SESSION — 11:00am to Noon
* MapFolio: mobile app that maps indoor spaces
  Sponsor: Appfolio / Team: Kazbek Seilkahanov (lead), Sidney Rhodes, Crystal Cheung, Tom Craig, Michael Gu
* Moose Blazers: showcase low power, high performance characteristics of using GPGPU acceleration compared to a serial processing CPU in computer vision applications
  Sponsor: Aerospace / Team: Jordan Pringle (lead), Melissa Anewalt, Scott Waltstead, Peter Gaede

POSTERS & PIZZA LUNCH in the ESB Courtyard — 12:00pm to 1:00pm

AFTERNOON SESSION (Part 1) — 1:00pm to 2:50pm
* Struct By Lightning: smart assistant integrated with video conferencing that observes the stream and provides real-time assistance and info
  Sponsor: Citrix / Team: Trevor Fresse (lead), Evan Crook, Britt Christy, Kevin Malta
* The Sixth Sensor: a multi-wavelength camera that allows users to capture image stacks, review images, and store files on a cloud-system
  Sponsor: FLIR / Team: Jocelyn Ramirez (lead), Jonathan Terry, Javier Hernandez, Chris Inderwiesche, Yu-Choeul Shin
* Treadsetters: connect a bike to the Internet of Things
  Sponsor: Qualcomm / Team: Sali Raje (lead), Duncan Sommer, Oliver Townsend, Joel Dick, George Karcher
* NovaToast: a home detection system using a Lepton camera and thermal images
  Sponsor: Novacoast / Team: William Chen (lead), Brian Wan, Jacob Anderson, Jonathan Simozar, Christopher Kim

COFFEE & SNACKS BREAK — 2:50pm to 3:00pm

AFTERNOON SESSION (Part 2) — 3:00pm to 4:30pm
* Team Voice++: personal assistant for mobile devices that listens for voice commands and lets users perform usually difficult tasks during a phone call
  Sponsor: Invoca / Team: Petros Khachatrian (lead), Chris Atanasian, Julio Garcia, Belsin Barkhos, Sheng Zheng
* Savvy-gnon: an application that enables farmers to monitor their crops using near-infrared imaging
  Sponsor: VineRangers / Team: Rick Waltman (lead), Iris Moridis, Ariel Xin, Amy Chen, Chien Wang
* Team Enigma: a mobile application for customers to find and match a range of products
  Sponsor: Raytheon / Team: Blake Hussein (lead), Rafal Wojciak, Jose Vasquez, Metehan Ozten, Ahmad Bayon

www.ce.ucsb.edu/capstone/capstone-2015/

Thanks to Citrix for the generous support of the pizza lunch at the poster session!