COMPUTER ENGINEERING
ECE 189A/B Capstone Project Presentations
Instructor: Dr. Yoga Isukapalli / Teaching Assistants: Caio Motta & Celeste Bean
June 8 (Fri) | ESB Rm 1001

9:00 - Opening remarks by ECE 189 A/B Instructor Dr. Yoga Isukapalli
9:05 - TiresiaScope: A headset that assists blind people in identifying nearby obstacles Team: John Bowman, Devon Porcher, Brian Young, Timothy Kwong, Trevor Hecht
9:30 - Gaucho Hawk (AeroVironment): A printed circuit board with state-of-art sensors and relevant software for high precision drones. Team: Jack Zang, Yesh Ramesh, Vikram Sharma, Richard Young, Kurt Madland, Shaoyi Zhang
9:55 - SPOT (NASA): Device that helps astronauts path-find on unknown terrain, without an increase in cognitive load Team: Bryan Lavin-Parmenter, Brandon Pon, Neil O’Bryan, Saurabh Gupta
10:20 - * Deep Vision (SEAL Lab, NVIDIA): Identifies and tracks targets such as dogs and people in real time by analyzing video recorded by the drone’s camera Team: Jenny Zheng, Chenghao Jiang, Terry Xie, Charlie Xu
10:45 - WALL-E (Oakley Lab): A submersible low-light camera that can be deployed in tandem to analyze Ostracod courtship patterns using computer vision techniques. Team: Veena Chandran, Karthik Kribakaran, Vincent Wang, Wesley Peery, Franklin Tang, Karli Yokotake
11:10 - Hover Hand (Arveng Technologies): A glove that recognizes and converts hand movements to pilot a quadcopter drone. Team: Steven Fields, Colin Garrett, Miclos Lobins, Zach Meyer, Austin Dorotheo
11:35 - ** UCSB Hyperloop (Northrop Grumman, Laritech Inc., Montecito Bank & Trust): A communications, telemetry, & control unit for UCSB’s entry into SpaceX’s Hyperloop Pod Competition. Team: Cameron Bijan, Dylan Vanmali, David Donaldson, Mark Wu, Alex Jun

* Team is participating in the 2018 Design Automation Conference (DAC) – System Design Contest
** Multidisciplinary Team of CE, Mechanical Engineering and Electrical & Computer Engineering students

2:00-5:00p – Afternoon Poster Session in the Corwin Pavilion Courtyard