

The Twenty Ninth ECE Capstone Design Competition

Tuesday, December 3, 2019 at Ballroom (Curry Student Center)

7:30-8:30	Judges Breakfast (334 Curry Student Center)	
8:45-9:00	Welcome by Professors Bahram Shafai (Capstone Director), Jacqueline Isaacs (Interim Dean of COE) and Srinivas Tadigadapa (ECE Chair) in Ballroom Curry Student Center	
9:00-9:20	Non-Invasive Cuff-Less Blood Pressure Monitor Aiman Ginawi, Anthony Guariglia, Fardin Islam, Ojasvi DSilva, Soibifaa Georgewill, and Stephen Pryzbylek	
9:20-9:40	Detection and Tracking Radar System (DeTRS) Greg Tolj, Jon White, Andrew Moy, Bert Nunneley, Samuel Chowdhury, and Anthony Silvino	
9:40-10:00	Wilbur: A modular, closed loop sensor protection solution Michael Eiden, Rigel Madraswalla, Christopher Notarianni, Eric Siletzky, and Nicholas Robinson	
10:00-10:20	Pedestrian Localized Advanced Notification System Kenneth Afriyie, Kyung Hwan Lee, Nick Pelepchan, Andrew Petrik, Kieran Talty, Shivam Sharma	
10:20-10:40	Low-Light Environmental Neural Surveillance (LENS) Henry Gridley, Kevin Hines, Noah Lichtenstein, John Nguyen, Michael Potter, and Jacob Walsh	
10:40-11:00	<u>Break</u>	
11:00-11:20	Coordination and Localization Platform for Ground Connected Robot Swarm Andres Guevara, Richmond Liew, Mira Maalouf, Morgan Kohler, Benjamin Logan, Changran Liu	
11:20-11:40	Visual Light Communication (VLC) Matt Martinico, Sean Foley, Ben Hadra, Joseph Mulhern, Bhumika Sood, and Jensen Rosemond	
11:50-12:10	Butterfly Robot Erin Burba, Jun Jie Chen, Derek Chou, Erick Dang, Hao Jiang, Breonna Liew	
12:10-12:30	Flexibly Adjustable Liquid Lens (F.A.L.L) Arbina Camaj, Changzong Liu, CJ Valdez, Daniel Castle, Lynn Tsao, and Joe Song	
12:30-1:30	<u>Lunch Break (McLeod Suites, 3rd Floor of Curry Student Center)</u>	
1:30-1:50	Wireless Audio Control Interface (WACI) Jess Bardio, Louisa Beckwith, Joshua Berlin, Phil Del Signore, Matan Silver, Andrew Whitaker	
1:50-2:10	ChairGeek (Infrared Based Human Presence Detection System) Jessie Sigler, Juan Rodero-Sales, Saif Billah, Jacqueline Banning, Ronit Sharma, Christopher Conard	
2:10-2:30	Open-Architecture Modular Quadcopter (OMQuad) Aaron Campbell, Hanye Chen, Rebekah Davis, Anthony Gavazzi, Samuel Starkman	
2:30-2:50	Personal Autonomous Non-Invasive Device for Assisting Kids (PANDA Kids) Mohib Azam, Spenser Cheung, Daravichea Lim, Spencer Pozder, Trung Tran and Alyxandra Spikerman,	
2:50-3:00	<u>Short Break</u>	
3:00-3:20	Low-Weight Automated Mechanical Manipulator Shixin Xu, Bochao Shan, Jonathan Jew, Tayla Grimes, Naomi Shaw, Zonghao Liu	
3:20-3:40	McKhan Arm Camille Cash, Ken Leombruno, Anthony Montuoro, Hector Ramirez, Michelle Stack, and Nicolas Tedori	
3:40-4:00	Automatic Melodic Transcription for Interactive Piano Tutorials Trenton Couture, Mason Lin, Zaid Al-Bilbeisi, Di Hu, Jack Hirsh, Dan Silver	
4:00-4:45	Judges Deliberation and Award Announcement	End of Program 5:00 PM.