The Twenty Fourth ECE Capstone Design Competition  
Friday, December 2, 2016 at Ballroom (Curry Student Center)

7:30-8:30  Judges Breakfast (435 Curry Student Center)

8:40-9:00  Welcome by Professors Shafai (Capstone Director), Nadine Aubry (Dean of COE) and Miriam Leeser (ECE Chair) in Ballroom

9:00-9:20  Capstone NAO  
Anthony Cicchetti, Adam Slattery, Sean Andrews, David Stewart, Matthew Henderson

9:20-9:40  Spinostim: Data Acquisition and Test Device for Back Pain Treatment using a High Electrode Density Paddle  
Colleen Finnegan, Michael Hoang, Kenneth Staley Jr, Eric Su, Alexander Teixeira, Liane Wong

9:40-10:00  High Dimensionality Synchronous Data Acquisition (DAQuLA)  
David Butler, Lauria Clarke, Dominic Harkness, Peter MacLellan, Tyler McCarthy, Marie Mitchell

10:00-10:20  Classio: An Integrated Classroom Solution  
Cole Bush, Tyler Paskowski, Jose Ramirez, Jon Smith, Tao Tang

10:20-10:40  Short Break

10:40-11:00  ‘Hi’: An In-Ear Minimal Latency Translator  
Halah Abuateeq, Tammy Huynh, Upendra Naidoo, Menglu Xie, Luxi Zeng, Hao Zhen

11:00-11:20  Air Pollution Monitoring and Visualization with AirMap  
Taylor Skilling, Will Johnson, Nick Tosta, Chris Kenyon, and Brandon Nguyen

11:20-11:40  Microwave Tomography (MWT) Scanner  
Emma Bobola, Joshua Jameson, Erica Penniman, Janna Shaftan, Matthew Tivnan

11:40-12:00  EyeoT: Context-Aware Gaze Interface to Assistive Devices for Persons with Limited Fine Motor Control  
Jenna Czeck, Harrison Dimmig, Filmon Elias, Gen Ohta, Francesca Sally, Eric Tseng

12:00-12:20  Autonomous Object Tracking UAV  
Samuel Lindemer, Oliver Scott, Nathan Winn, Robert Peterson, Robert Lebel, Robert Daigle

12:20-2:00  Lunch Event (McLeod Suites, 3rd Floor of Curry Student Center)

2:00-2:20  High Altitude Remote Aircraft Measuring Botanical Energy  
Evan Hovaniak, Gregory Cusano, Joseph Grasso, Michael Bibinski, Michael Youngstrom, Joseph Beaudreault

2:20-2:40  Total Knee Replacement Therex  
Ryan Doherty, Gurtaj Khatra, Kenny Krug, Izaak Branch, and Jay Chinnaswamy

2:40-3:00  Monarc: Autonomous UAV with Stereovision Obstacle Avoidance  
Nigil Lee, Nathan VanBenschoten, Benjamin Soper, Justin Knichel, Chris Canal, Nate Casale

3:00-3:30  Judges Deliberation

3:30-4:00  Award Announcement