

# Delta Computing & Engineering Colloquium

Hosted by the College of Science & Computer Engineering

Monday, November 6, 2017

Delta 241, 11:30 a.m. – 12:30 p.m.

**The UHCL Center for Robotics Software**

**Dr. Tom Harman & Carol Fairchild**  
**University of Houston-Clear Lake**

The *UHCL Center for Robotics Software* was officially launched Wednesday, June 7, 2017 with a reservation-only kick-off for academia, NASA, aerospace and Oceanering contractors and other companies involved in robotics. The Center was conceived during consultation with key members of the NASA and local community. The main purpose is to leverage the technical infrastructure that exists between NASA, academia, and industry to identify and solve challenging automation and robotics problems. The emphasis is on applications of the Robot Operating System for controlling robots.

At the kickoff, speakers included Robert O. Ambrose, division chief of NASA's Software, Robotics and Simulation Division, NASA Robotics Engineer Kimberly Hambuchen, Jacobs Oceanering Space System's Court Edmonson, UHCL Assistant Professor of Computer Engineering Luong Nguyen and Carol Fairchild.

Dr. Harman is the Director and Carol Fairchild is the Co-director of the Center. During the talk, they will present the Center's goals for collaboration as well as describe the latest robotics activity at UHCL. The department of Computer Engineering now has a specialization in Robotics that allow students to enhance their degrees by studying the latest technical aspects in this exciting field.

Some of the interesting work at UHCL includes control of mobile robots and Baxter the two-armed robot with Brain Waves! Another project involved student participation in the NASA Swarmathon contest held at Kennedy Space Center in Florida. Our team placed number four out of 20 competing universities..

**Host: Dr. Ahmed Abukmail**

**Refreshments will be served from 11:00 a.m. – 11:30 a.m.!**

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Any person needing an accommodation for a disability to participate in this program should contact the sponsoring organization at (281) 283-3770 for necessary arrangements.

