



TEXAS TECH UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
WHITACRE COLLEGE OF ENGINEERING



U-REASON SEMINAR SERIES FALL - 2013

A Brief Introduction to High Throughput Phenotyping

By Atluri Sri Harsha
Texas Tech University

Date: October 15th, 2013 (Tuesday)

Time: 3:40pm-4:40pm

Venue: ECE 108 (Pulsed Power Conference Room)

Note: Please note that the venue is changed due to unavailability of bullen room for only this seminar and we will continue to have the next seminar series in bullen room.

Faculty Coordinator: Dr. Yong Chen (yong.chen@ttu.edu)

Student Coordinators: Navaneeth Thiagarajan, Dan Ferguson, Lakhan Jhawar

Abstract:

There is a strong need to multiply the food production to meet the needs of rapidly growing population. Properties of new plant breeds have to be studied to assess and increase productivity. Because of its large scale nature, the process of studying plant properties out in the field has to be automated. In our research, we intend to develop an autonomous robot, which is capable of measuring various traits of a plant out in the field. This is a multi-disciplinary project, requiring expertise from Autonomous Robotics, Image Processing, Big data management and Plant sciences.

Speaker Bio:

Harsha is a Graduate student at TTU in Electrical Engineering, doing his thesis under Dr. Hamed Sari-Sarraf. He has done his Bachelors in India in Electronics and Communication Engineering. He has been very active in robotics field and participated in many national level competitions. The major Project which he has done in his under graduation, "Design and Development of Low Cost and Energy Efficient Segway", has won 3rd Prize in Texas Instruments, India Microcontroller Design Contest.

