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Application for 2015 Student Research and Creativity Celebration

Open Source Data Collection System

Class Project: ENT 465W Donnie Herman

Abstract This Smart Data Collector is an open source, high performance instrument designed for collecting analog data from any device under test. It can store and display collected data to users in various ways. The Smart Data Collector is a complete solution for a tester to collect data and access it by either accessing the device's data storage (USB storage) or view the data wirelessly over the cloud. With today's increasing technology being part of our lives, we should expect to see most tasks we do becoming more efficient and simplified; also automated. When it comes to industry and lab testing, scientists and engineers can be more productive if they are not organizing and transferring data to different PCs after they collect it. Combining open source technology with cutting edge tools, this data collection systems is a complete solution for almost any experiment and engineer can run into from beginning to end.

Faculty Mentors: Robert Finton**Presentation Type:** poster

You can return to your application to make updates until midnight March 17, 2015 or until your mentor approves your application. Simply return to the front page of the application form and enter the access code:

26qjur4060

Once your mentor has confirmed their support you will receive an email letting you know your application is complete. After that point you will not be able to edit your application directly. Your mentor will have an access code through which they can make further edits. So if you want to make changes after your mentor has approved your application you'll need to contact them and ask them to make the changes.

You and your mentor will be notified by April 9, 2015 of the status of your application and given instructions about your scheduled presentation time. Contact your faculty mentor to plan and practice your presentation/performance.

Hint: Don't forget to review the tips for preparing a talk and poster session (linked from the [Student Research and Creativity Celebration website](#))

