

Weekly Status Report #4

Group sdmay20-31

AUTOMATIC TRACKING OF ACTORS WITH INTELLIGENT THEATRICAL LIGHTING SYSTEMS

Week Summary:

This week our team continued research on finding the best tracking method looking at “Indoor GPS”, “localino”, and OpenCV. We worked on spotlight control experimenting with the Open Lighting Architecture framework to control the spotlight.

Weekly Accomplishments:

This week Team member Joel Ohge successfully connected to the spotlight with a usb controller and sent DMX signals to the spotlight with the OLA framework. Using OLA’s Python API he sent DMX signals to the spotlight that can control the position of the light through rotation and tilt, the RGB light dimmers, the master light dimmer and more. The other team members researched the different tracking techniques.

Name	Individual Contributions	Hours this week	Hours cumulative
Joel Ohge	OLA Spotlight controls	8	26
Hassan Alhaddad	Tracking Research	6	24
Hassan Almohammedsaleh	Tracking Research	6	24
Raed Albloushy	Tracking Research	6	24
Mouez Zayed	Tracking Research	6	24

Plans for the upcoming week:

- Team member Joel Ohge will continue to work on using OLA to make the spotlight controller
- Team members Hassan Alhaddad, Hassan Almohammedsaleh, Raed Alboushy, Mouez Zayed will make a final decision and choose a tracking method to pursue for this project.