**Engineering Discovery Days Notes**

# Introduction

This document outlines how the AFSL participates in Engineering Discovery Days.

# Notes

* We typically only participate in Engineering Discovery Days on Friday and are not open for exhibits on Saturday.
* You will receive a free T-shirt and pizza in exchange for volunteering.
* The typical audience is K-12 (mostly middle school age). Expect up to 500 visitors throughout the lab on Friday.
* Exhibits open at 9am and end at 2pm on Friday.

# Exhibits

We will have several exhibits setup within the lab.

## X-Plane Simulator

* Setup the AFSLCondor machine with a simple scenario to allow participants to fly an aircraft using the yoke and pedals.

## Phoenix RC Simulator

* Setup the machine near the door to fly the Phoenix RC simulator.

## GROVER

* Setup GROVER outside near AERB 139 and allow kids to drive it around (use buddy box so you can reclaim control if necessary).
* Hook up camera to FPV goggles to give kids a viewpoint from the camera (setup OSD as well).

# AFSL Participants

## 2016

Table : List of participants for 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Time** | **AFSL Personnel #1** | **AFSL Personnel #2** | **AFSL Personnel #3** | **AFSL Personnel #4** | **AFSL Personnel #5** | **Comment** |
| **04/22/16 (Friday)** | | | | | | |
| 8:30 – 10:30am | Chris Lum | Bobby Larson | Andrew Jacobson |  |  |  |
| 10:30 – 12:30pm | Bobby Larson | Ward Handley | Harrison Stankey | Anupam Gupta | Taehan Kook |  |
| 12:30 – 2:30pm | Yifu Wang | Ward Handley | Gage Winde | Anupam Gupta | Kibaek Jeong |  |

## 2017

Table 2: List of participants for 2017

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **04/21/17 (Friday)** | | | | | | |
| **Time** | **MFOC** | **Showing UAS** | **Showing UAS** | **X-Plane Simulator** | **Phoenix RC Simulator** | **Comment** |
| 7:30 – 8:30 | Chris Lum | Aaron Goldfogel | Riley Turk | Helen Kuni | Tommy Zhou | Setup MFOC |
| 8:30 – 9:30 | Chris Lum | Aaron Goldfogel | Riley Turk | Helen Kuni | Tommy Zhou |  |
| 9:30 – 10:30 | Hannah Rotta | Aaron Goldfogel | Riley Turk | Nick Armstrong | Tommy Zhou |  |
| 10:30 – 11:30 | Ge Bao | Selina Lui | Tommy Zhou | Nick Armstrong | Hannah Rotta |  |
| 11:30 – 12:30 | Jason Borgida | Selina Lui | Scott An | Nick Armstrong | Hannah Rotta |  |
| 12:30 – 1:30 | Jason Borgida | Connor Kafka | Karine Chen | Scott An | Aaron Goldfogel |  |
| 1:30 – 2:30 | Jason Borgida | Connor Kafka | Karine Chen | Selina Lui | Scott An |  |
| 2:30 – 3:30 | Jason Borgida | Connor Kafka | Karine Chen | Selina Lui | Mike Brady | Put away MFOC |

Please fill out your name and shirt size so we can order the correct size for you (XS – XXL)

1. Chris Lum (M)
2. Jason Borgida (S)
3. Karine Chen (XS)
4. Connor Kafka (L)
5. Nick Armstrong (M) (available 9:30am-12:20pm)
6. Hannah Rotta (S)
7. Tommy Zhou (M)
8. Selina Lui (L)
9. Helen Kuni (S)
10. Aaron Goldfogel (S)
11. Mike Brady (XL)
12. Scott An (S)
13. Riley Turk (M)
14. Ge Bao (XL)