



Scarlet Hawk II-HASP 2014

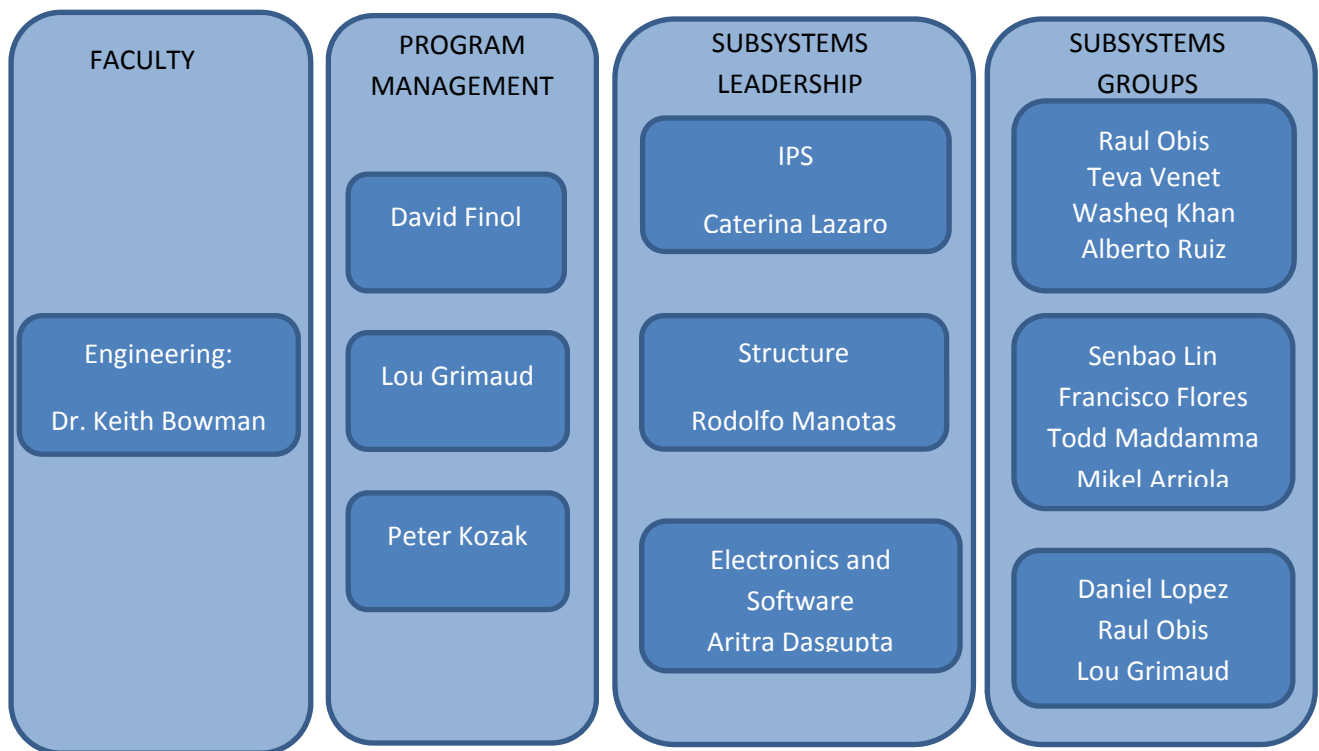
May Status Update

5/30/2014

Summary of Progress

The entire team has been steadily working on the system during the past month. However, the team only worked three weeks of this period due to final exams week. The Electronic and Software team completed the board that will control the power system of the payload. The Independent Power System team finished the solar panels and worked on their adaptation to the circuit board. The structure has reached the level of more than 90% of completion and the team has mainly focused on details this month. The team is on schedule and will be working on the integration and testing of the entire system in the upcoming month.

Updated Team Structure



Electronics and Software (ES)

During the three weeks that the team was working this month, the board that will control the solar power system was finalized. All the sensors and electrical components were integrated with the PCB and the Maximum Power Point Tracker. Testing of these electrical components was started and further testing will be done the upcoming month. The team is then planning on focusing on further testing and subsystem integration for the upcoming weeks.

Independent Power System (IPS)

This month the team finalized the mounting of the solar cells to the FRP shields. The solar panels were initially tested and further testing will be done next month. An initial integration of the sensing board with the power system was made. The code behind the management of the cameras and the sensors was also completed. The team will be working towards integration of the entire Power System and further testing this upcoming month.

Structure

During the month of May, the structure team has focused on adding final details to the structure. A hole for the camera was made on the baseplate. The team also worked on the insulation of the entire payload. The structure of the payload is reaching the status of “Fully Completed” and the team will be mainly working on details and slight adjustments in the upcoming months.

Participants’ Demographics

Last Name	First Name	Gender	Ethnicity	Race	Status	Disability
Ruiz	Alberto	M	Hispanic	Caucasian	Grad	NO
Dasgupta	Aritra	M	Non-Hispanic	Indian	Grad	NO
Lazaro	Caterina	F	Hispanic	Caucasian	Grad	NO
Lopez	Daniel	M	Hispanic	Latino	Undergraduate	NO
Finol	David	M	Hispanic	Latino	Undergraduate	NO
Flores	Francisco	M	Hispanic	Latino	Undergraduate	NO
Arriola	Mikel	M	Hispanic	Caucasian	Grad	NO
Obis	Raul	M	Hispanic	Caucasian	Grad	NO
Manotas	Rodolfo	M	Hispanic	Latino	Undergraduate	NO
Grimaud	Lou	M	Non-Hispanic	Caucasian	Grad	NO
Lin	Sembao	M	Non-Hispanic	Asian	Grad	NO
Kozak	Peter	M	Non-Hispanic	Caucasian	Grad	NO
Teva	Venet	M	Non-Hispanic	Caucasian	Undergraduate	NO
Maddamma	Todd	M	Non-Hispanic	Caucasian	Undergraduate	NO
Washeq	Khan	M	Non-Hispanic	Indian	Undergraduate	NO