

University of Colorado at Boulder SIMBA Team January Status Report

This month Team SIMBA's proposal was accepted for a HASP mission. The team leaders worked to review applications and interview students to put together the final team. Many students that were on the proposal team were accepted as well as other applicants. The team is focusing on the proposal comments from the HASP reviews.

Team Demographics

Paige Arthur: Caucasian female, sophomore, Aerospace Engineering

Haleigh Flaherty: Caucasian female, freshman, Aerospace Engineering

Melody Blackis: Caucasian female, freshman, Aerospace Engineering

Nathan Levigne: Hispanic male, freshman, Aerospace Engineering

David St Clair: Caucasian male, freshman, Aerospace Engineering

Trevor Barth: Caucasian male, freshman, Aerospace Engineering

Lauren Raddatz: Caucasian female, freshman, Aerospace Engineering

Ryan Wall: Caucasian male, sophomore, Aerospace Engineering

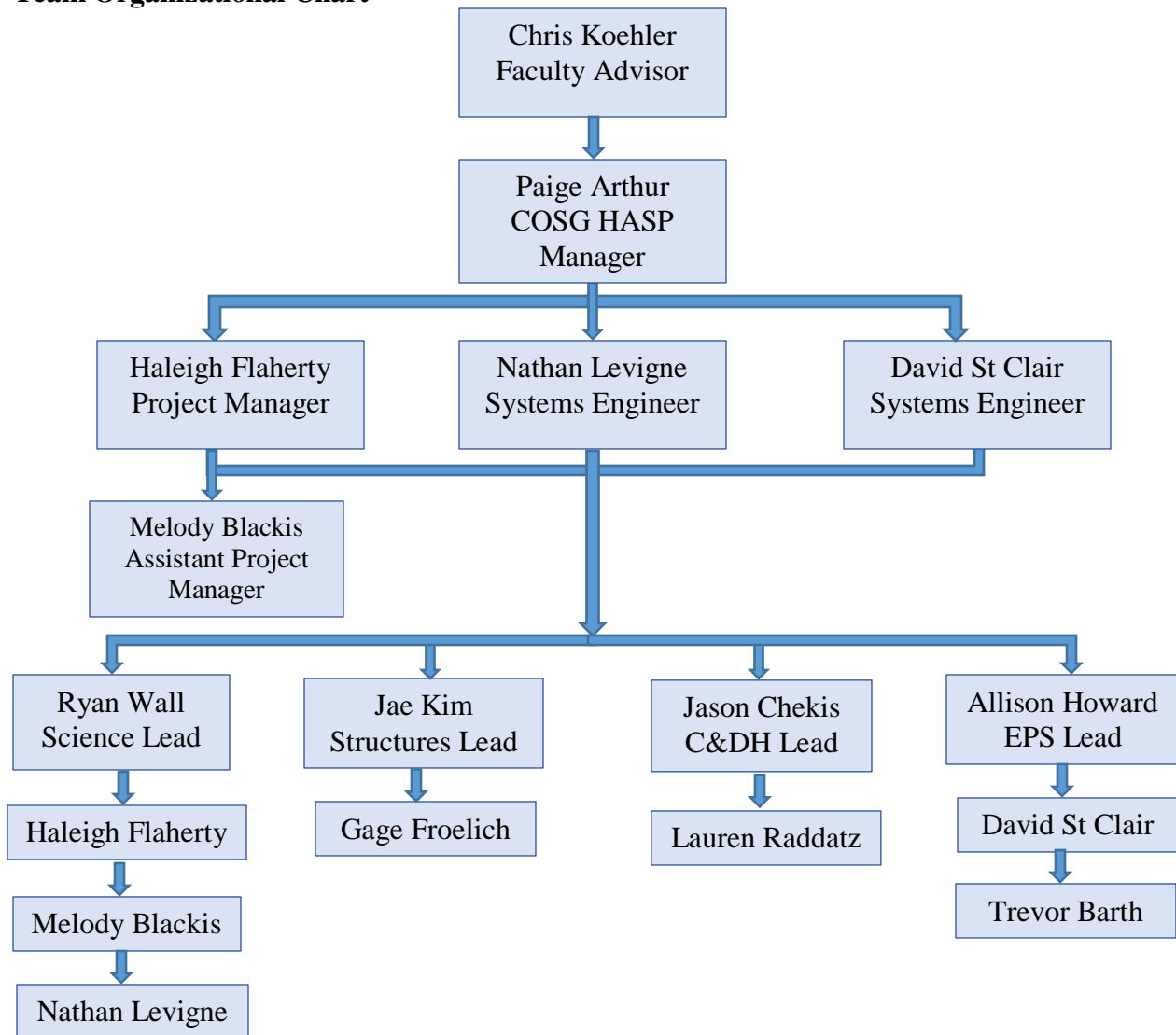
Allison Howard: Caucasian female, freshman, Electrical Engineering

Gage Froelich: Caucasian male, freshman, Mechanical Engineering

Jae Kim: Asian male, freshman, Aerospace Engineering

Jason Chekis: Caucasian male, senior, Astronomy

Team Organizational Chart



Accomplishments of January

In January, SIMBA received its acceptance from HASP. Immediately following its acceptance it began finalizing the team structure. Most of the proposal team has officially joined the team, as well as several new members that did not participate in the proposal. Applications were reviewed and interviews are in the process of being conducted and will be concluded by early next week. New management was selected and is being trained and mentored by the HELIOS IV management. HELIOS IV management will continue to mentor the SIMBA team throughout the semester. Comments were read and the project manager, assistant project manager, system engineers, and mentors will begin answering the comments this weekend.

Plans for February

The teams shall take the feedback they received to make on the SIMBA proposal to improve the payload design. The main focus will be on improving the pump system as it received the most amount of comments in the major weaknesses section. This will be the job of the structures and science teams and be the priority problem to solve. The first formal team meeting will take place next week.

February and part of March will be devoted to finalizing the design based on the proposal comments and additional research. As soon as the structure of the team is finalized, the sub-teams will thoroughly research their system, conduct trade studies, and chose hardware. This will begin after the first formal team meeting next week. A Preliminary Design Review will be presented to the Colorado Space Grant Consortium before spring break.

Management will apply for funding for the project from on-campus undergraduate research funds and look for any companies that might want to contribute to the project.