

University of Bridgeport
September HASP Status Report
Submitted November 29, 2016
Submitted: Jani Pallis Faculty Advisor

Team Activities:

Data Analysis:

Three team members Maheshwari Kumar Rakkappan, Rothen Krishna Thashanath Sajeevan and Sam Zhang are working on the final summary of data and will submit the report shortly. Abd Elfatah Karkory has been developing a CFD simulation to emulate the heat transfer the payload experienced on the ground and in flight and we will share some of that work as well.

North Carolina

Kayla Seiffert from the North Carolina HASP team contacted us. Their team believes that perhaps their payload picked up noise from the Bridgeport payload. Kayla and I have discussed; our team has provided our spreadsheet of all data. We have not been able to hook up to discuss and explain our data but have emailed Kayla today to see if we can still assist. We're happy to assist and interested to learn if indeed North Carolina picked up Payload 11 noise!

HASP 2017

Team members participated as 2016 "first time" participants at the informational meeting for HASP 2017. UB is considering submission for HASP 2017 related to a CubeSat opportunity it has with the Discovery Museum.

Issues: None

Milestones Achieved:

Current Team Leaders/Members, Demographics: All students are still enrolled at the university.

Student Project Manager: Bashar Alhafni (Undergraduate Student – Computer Science - **Male**)

Leader Flight Computer, Data: Sam Zhang (Graduate Student – Computer Science/Electrical Engineering - **Male**)

Palestine Student Team Leader: Phil Carroll (Undergraduate Student – Industrial Design - **Male**)

Fort Sumner Team Leader: Josh Hauge (Undergraduate Student – Industrial Design - **Male**)

Arduino Gesture Programming: Sam Zhang (Graduate – Electrical Engineering - **Male**)

Structure Lead: Maheshwari Kumar Rakkappan – (Graduate Student – Mechanical Engineering - **Female**)

Rochen Krishna Thashanath Sajeevan (Graduate Student – Mechanical Engineering - **Male**)

Karan Kakanur Patel (Graduate Student – Mechanical Engineering - Male)

Thermal Control: Maheshwari Kumar Rakkappan - (Graduate Student – Mechanical Engineering - **Female**)

Abd Elfatah Karkory - (Graduate Student - Mechanical Engineering - Male)

Robot Gesture Range of Motion and Fabrication:

Phillip Carroll (Undergraduate Student – Industrial Design - Male);

Josh Hauge (Undergraduate Student – Industrial Design – **Male**)

Power and Communications: Xuan (Sam) Zhang (Graduate Student – Computer Science/Electrical Engineering - **Male**)

Lead Faculty Advisor: Dr. Jani Macari Pallis (Mechanical and Aerospace Engineering - **Female**)

Faculty Advisor: Dr. Neal Lewis (Technology Management - Project Management - **Male**) – resigned from university fall 2016

Education Partner: David Mestre (Discovery Museum and Planetarium: Director of Space Sciences, responsible for Challenger Center Mission Control - **Male**)

Education Partner: Lawrence Reed: (Discovery Museum and Planetarium: Electrical Engineering, Communications - **Male**)

Engineering Volunteer: James J. Pallis (United Airlines – Mechanical Engineering Design - **Male**)