

**HASP 2013  
UND-UNF Payload  
Monthly Status Report for February 2013**

**UND Team**

**Faculty Advisors:**

Dr. Ron Fevig  
Email: [rfevig@aero.und.edu](mailto:rfevig@aero.und.edu),  
Phone: 701-777-2480

**Students Leader:**

Marissa Saad  
Email: [Marissa.saad@my.und.edu](mailto:Marissa.saad@my.und.edu)  
Email: [mrzhasaad@gmail.com](mailto:mrzhasaad@gmail.com)  
Phone: 617-462-0610

**Consultant:**

Jonathan Snarr  
Email: [Jonathan.snarr@und.edu](mailto:Jonathan.snarr@und.edu)  
Email: [wade@speedhut.com](mailto:wade@speedhut.com)  
Cell: 485-851-3572

**Students:**

Two more students will be added soon

**UNF Team**

**Faculty Advisor:**

Dr. Nirmal Patel  
Email: [npatel@unf.edu](mailto:npatel@unf.edu)  
Office Phone: 904-620-1670  
Cell: 904-200-2855

**Students:**

- (i) Jason Saredy  
Email: [sarj00007@unf.edu](mailto:sarj00007@unf.edu)  
Cell: 954-205-1251
  
- (ii) Kenneth Emanuel  
Email: [k.emanuel@unf.edu](mailto:k.emanuel@unf.edu)  
Cell: 904-607-6034
  
- (iii) Kayla Colbert  
Email: [n00809657@ospreys.unf.edu](mailto:n00809657@ospreys.unf.edu)  
She joined recently. She will put more time after adjusting her job schedule.  
One more student will be joined soon.

**UND-UNF team did the following work during February 2013:**

- (1) The UND and UNF teams made teleconferences and discussed and review the (i) objectives of payload for HASP 2013 with team members as well as (ii) with Dr. Matthew Nelson, a professor at Iowa State University and team members to explore development of “Free Flying Payload” for the independent balloon flights.
- (2) Discussion of objectives of HASP 2013 payload has been completed at UNF.
- (3) Last month, the UND and UNF teams received the comments on HASP 2013 proposal from Mr. Michael Stewart. We have submitted answers of the most of comments except first four comments with January 2013 monthly report. The first four comments are related to the circuit design. We have not yet completed that work. UND team will submit the answers of first four comments during March 2013 or before.
- (4) Fabrication of first batch of ozone sensors work was initiated at the UNF. These sensors will serve for the preliminary testing work in the lab. This will be useful to the new student who joined in the group.
- (5) The process of adding few students is going on in the both groups.
- (6) Wade, Dr. Fevig, and Dr. Patel discussed turning the ITO gas sensor on a meteorological balloon flight into a precision sensor module. This is already being developed by Taylor University on their meteorological balloon flights. This aligns with our proposal objectives of turning our HASP payload into a free flying payload.
- (7) Wade, Marissa, Brian, and Dr. Fevig have held weekly HASP meetings every Friday this month. We have discussed the upcoming deadlines and the construction of the payload.