

Aerospace Club

2015-16'





Experimental Sounding Rocket Association

Founded in 2003 as a non-profit, ESRA seeks to further the field of experimental sounding rocketry

[LATEST NEWS](#)

Warning! Website under massive construction. Teams interested in details for next year's competition should check back in mid-to-late August

The Experimental Sounding Rocket Association, founded in 2003, seeks to further the field of experimental sounding

IREC 2014-2015

- IREC (Intercollegiate Rocket Engineering Competition)
- Goals:
 - Get to 10,000 feet and recover safely
- Subgroups
 - Aerodynamics
 - Body, fins, nosecone
 - Recovery
 - Drogue and main parachutes, ejection charges
 - Electronics
 - Tracking and separation timing
 - Payload
 - Experiment/launch anything
 - Propulsion
 - Motor selection

New This Year

New Subgroup Categories

- Solid Fuel
 - Create homemade solid fuel with repeatable thrust values
 - Create a test platform for verifying thrust predictions
 - Testing complete by February 15th
 - Testing results due by March 31st
 - Ready for use Summer 2016
- Hybrid
 - Design/create hybrid propellant system
 - Aerospace materials
 - Potentially long term project
 - (Launch Summer of 2017)



WASHINGTON STATE UNIVERSITY



Welcome to the Aerospace Club

- About Us
- Activities
- Active Projects
- Completed Projects
- Member Information
- Sponsorship
- News
- Photos

HYPER lab
Voiland College of Engineering and Architecture



AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS
Aerospace Club

Welcome to the Aerospace Club



News, Updates, etc.

Ladies and Gentlemen, IREC 2015 July 13, 2015

Carbon Cougar Getting Ready for Maiden Voyage June 22, 2015

Carbon Cougar Launch Video May 11, 2015

The CARBON Cougar Launches! April 26, 2015

We are now NAR level 1 Certified! April 20, 2015

The Archive

The Archive

A messaging app for teams who put *robots on Mars!!*

NASA's Jet Propulsion Laboratory is one of tens of thousands of teams around the world using **Slack** to make their working lives simpler, more pleasant, and more productive.

Slack is **free** to use for as long as you want and with an unlimited number of people.

Curiosity Rover
📍 Mars, the Milky Way



Schedule

- **Overall Schedule**
 - First semester
 - Research, designing, planning,
 - Second semester
 - Implementing, building, testing
- **Choose Subgroups Friday Sept. 11th**
 - Design members 2014 will be giving presentations
 - 2014 Presentations are on WSUAerospaceclub website
- **Meetings**
 - Monday and Friday at 5:30
 - Next Meeting September 11th 5:30 (Dana 15-FIZ)