



# 2017 Oregon NASA Space Grant Consortium Student Symposium

LaSells Stewart Center - Oregon State University  
Ag Production/Ag Leaders Rooms  
November 9, 2017

## AGENDA/PRESENTATION SCHEDULE

8-9am	<b>POSTER SESSION SET-UP</b> - Breakfast provided for presenters
9-9:30am	<b>OPEN POSTER SESSION</b>
9:30-10am	<b>KEYNOTE SPEAKER</b> - Mr. Torry Johnson, Assistant Deputy Director, Hydrosphere & Biosphere Science NASA Goddard Space Flight Center
TIME	Presenter
10:00am	<b>Caleb Turner</b> - Portland State University - NASA Marshall Space Flight Center Internship Title: <i>Propulsion Analysis of Lunar Lander Concept</i>
10:20am	<b>James Benbrook, Ryan Domres, Chloe Jordan, and Justin Luc</b> - Oregon State University OSGC Undergraduate Team Experience Award Program Title: <i>Oregon State Rocketry Team ESRA Spaceport America Cup Competition</i>
10:40am	<b>Sam Colosimo</b> - University of Portland - NASA Goddard Space Flight Center Internship Title: <i>Silicon X-Ray Optics Manufacturing</i>
11:00am	<b>Amy Caldwell</b> - Oregon State University - NASA Marshall Space Flight Center Internship Title: <i>Creating the Acquiescent Rail Translator Equipment for Mass and Inertial Support (ARTEMIS)</i>
11:20am	<b>Bertrand DeChant, Mark Musil, and Jacob Tiller</b> - Portland State University - OSGC Undergraduate Team Experience Title: <i>Portland State Aerospace Society Liquid Fuel Engine Test Stand (LFETS)</i>
11:40am	<b>Matthew Lucas and Audrey Vaughn</b> - Linn-Benton Community College - Higher Ed Research Award Title: <i>Launch Procedures for Offshore Flights</i>
12:00pm	<b>LUNCH/NETWORKING/POSTERS</b> - Food and refreshments provided for presenters
1:00pm	<b>Levi Willmeth</b> - Oregon State University - NASA's Independent Verification & Validation Facility Title: <i>Adapting NASA Avionics Software Commonly Used on Rockets and Satellites, to Control a Commercially Available Drone</i>
1:20pm	<b>Louis Detweiler</b> - Southern Oregon University - NASA Ames Research Center Title: <i>Tool Support for UAS Hazard Risk Assessment</i>
1:40pm	<b>Michael Polander</b> - Oregon State University - OSGC Undergraduate Team Experience Award Program Title: <i>OSU 2017 RockSat-X Program - Hephaestus</i>
2:00pm	<b>Diane Demchenko</b> - Portland State University - OSGC Undergraduate Research Fellowship Title: <i>Creating a General Antiviral: Testing the Inhibition of Spindle-Shaped Virus 1 and Yellow Fever Virus by Silver Nanoparticles</i>
2:20pm	<b>Matthew Morse</b> - Oregon State University - NASA Marshall Space Flight Center Internship Title: <i>Orbital Class Nanosatellite Launch Vehicle Spin-Stabilization System</i>
2:40pm	<b>Nina Cox, Daniel Folkerts, and Savannah Grey</b> - Oregon Coast Community College - Higher Ed Research Award Title: <i>Using Radiosondes to Detect Atmospheric Changes During the Total Solar Eclipse</i>
3:00pm	<b>BREAK</b>
3:20pm	<b>Rachel Hausmann</b> - Oregon State University - NASA Jet Propulsion Laboratory Title: <i>Creation of the Final Hazard Maps for the Next Mars Mission: InSight Landing Site, Elysium Planitia, Mars</i>
3:40pm	<b>Charity Woodrum</b> - University of Oregon - OSGC Faculty Research Award Program Title: <i>Evolution in Solitude: Field Galaxies from Half the Age of the Universe to the Present</i>
4:00pm	<b>Miles Curry</b> - Oregon State University - OSGC Internship: Oregon Sea Grant Seacast Project Title: <i>Seacast - A Python Web Application to Display High Resolution Weather and Ocean Forecast Models for Ocean Consumers</i>
4:20pm	<b>Alexander Chabert, Thomas Manfredonia, and Savon Sengsavanh</b> - University of Portland OSGC Undergraduate Team Experience Award Title: <i>Micro-Radial Jet Engine</i>
4:40pm	<b>Austin Gulstrom</b> - Oregon State University - NASA Goddard Space Flight Center Internship Title: <i>Analytical Software Validation for Composite Technology</i>
5-6:30pm	<b>RECEPTION/NETWORKING/POSTERS</b> - Food and refreshments provided