



FLORIDA SPACE GRANT CONSORTIUM

Director : Dr. Jaydeep Mukherjee
Associate Director: Dr. Michael Hickey
Assistant Director: Ms. Sreela Mallick
FY 2009-10 Fact Sheet



PARTICIPANTS

- 20 Affiliates Statewide comprising
 - ◆ 16 Universities & Colleges
 - ◆ Lead Institution—UCF
 - ◆ Astronaut Memorial Foundation
 - ◆ Space Florida
 - ◆ Kennedy Space Center
 - ◆ Orlando Science Center

ACCOMPLISHMENTS

Research

- ◆ Joint Grant Program (sponsored by FSGC and Space Florida)
 - Spaceport Technology*
 - Space-Based Research & Payload Development*
- ◆ \$ 395K in funded proposals

Education

- ◆ 9 college and university programs
 - Graduate Fellowships*
 - Kennedy Space Center Internships*
 - Florida High Tech Corridor Internships*
 - Florida University Satellite Design Competition*
 - Hybrid Rocket Competition*
 - Undergraduate Academy for students*
 - NASA Academy*
 - Senior Design Projects*
 - Microgravity and other competitions*
- ◆ 4 precollege programs
 - Space Education & Training Program*
 - GE Foundation Teacher workshops*
 - Pre-Service Teacher Institute*
 - Engineer-Teacher Connection*

Informal Education

- ◆ 3 Programs
 - Radio JOVE and UFRO Online*
 - Orlando Science Center Fun Nights*
 - Starry Nights*

STUDENT AWARDS

- ◆ 93 Undergraduate awards
- ◆ 7 Graduate Fellowships
- ◆ 217 undergraduates involved in student collaborative projects
- ◆ Trained 200 teachers
- ◆ Engaged 3000 Florida citizens through public programs

SOURCES OF FUNDS

- ◆ \$ 785K in NASA funds
- ◆ \$ 595K in Matching Funds

STUDENT QUOTES

- ◆ Participation in the Space Grant program allowed me to experience many different aspects of the U.S. space program and learn what I truly enjoyed about it. Knowing what I love doing has allowed me to pursue a career in a STEM field that I know will keep me interested and excited to work as well as benefit our country. (Andrew McDonald, 2008 NASA Academy/Internship Program-University of Florida, Space Grant Scholar-UF)
- ◆ Participation in the FSGC program gave me a concrete career goal to aim for and the tools to succeed in the aerospace field. (Adrienne Accardi, 2008 NASA Academy/Internship Program-USF)
- ◆ I would not be able to fully focus on my degree. I might have stopped at Masters degree if not for FSGC. I would have considered going back to school for PhD if it would be an option. I enjoy doing research and I am glad I was given this opportunity. (Nikolai Kozlovski, Space Grant Fellow-UCF)

Florida Space Grant Consortium

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A NASA sponsored program administered by the University of Central Florida

Student Collaborative Projects

I. Undergraduate Academy

- ◆ Joint program between Florida Space Grant Consortium and Space Florida and sponsored by Northrop Grumman
- ◆ 1 week internship for undergraduate students in Florida
- ◆ Designed and constructed a meteorological balloon instrument payload and launch from Cape Canaveral
- ◆ 48 students from 5 universities and 1 community college participated in 3 undergraduate workshops.



II. Senior Design Projects and other Competitions

- ◆ Supporting 79 students from 4 universities and 1 community College in senior design projects and competitions.
- ◆ Supporting 15 senior design projects in 2 universities and 1 community college
- ◆ Supporting universities for participating in the University Space Launch Initiative program, Moonbuggy Competition, Microgravity Flights and Google X-Prize



III. Rocket Competition

The objective of the competition is to design and build a hybrid powered rocket. The competition has two categories: the first category is to reach the maximum altitude and the second is to fly the rocket closest to 2000 feet in altitude.

- Sponsored by the Florida Space Grant Consortium, Florida Space Institute, and the Northeast Florida Association of Rocketry

- 8 teams from 6 universities and 1 community college
- 55 undergraduate students

IV. FUNSAT

The FUNSAT (Florida University SATellite) is a pico-satellite with a mass of 1 Kg and the size of 10 x 10 x 10 cm³. 35 students from 5 universities currently participating in the competition.

FIU

-Development of an Earth Station

UF

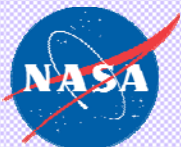
-Completed Flight Model

-Boost students' interest in space engineering - Class & Satellite Team

-Development of a de-orbiting technology UCF

- Interdisciplinary Sr. Design Class: EE, CE, ME, and AE

-Air Force Nano-satellite program



*To understand and protect our home planet,
To explore the universe and search for life,
To inspire the next generation of explorers as only NASA can*