

National Space Grant Foundation Update

<http://www.SpaceGrant.org/>

101 Constitution Avenue NW, Suite 650 East
Washington, DC 20001

202-536-3030

202-536-3089 (Fax)

Peter Sukanek
President
cmpcs@olemiss.edu

Mark Fischer
Executive Director
fischer@spacegrant.org

- ◎ Board Expanded From 5 to 7
 - Angela DeJardins – MT
 - Wallace Fowler – TX
 - Philippe Geubella – IL
 - Pat Hynes – NM (Treasurer)
 - Jaydeep Mukherjee – FL
 - Peter Sukanek – MS (President)
 - Denise Thoresen – AK (Secretary)
- ◎ Future Elections
- ◎ Dual Program Approach
- ◎ Evaluating Current Policies and Procedures

- Non-Profit 501(c)(3) Organization
- Established by Space Grant Directors
- Governed by a Board of Directors Elected by Space Grant Directors

To support and enhance the Space Grant Consortia in every state

To carry out education, research, and public outreach activities related to space, aeronautics, aviation, and Earth system science

- Shirley Campbell – Assistant Executive Director
campbell@spacegrant.org
- Eric Day – Web Development and Design
day@spacegrant.org
- Mark Fischer – Executive Director and Services Manager
fischer@spacegrant.org
- Talia Jurgens – Fiscal Specialist
jurgens@spacegrant.org
- Veronica Richison – Program Assistant
richison@spacegrant.org

- ◎ Financial Update (as of August 2012)
 - 2.8M in Programs Over Last 12 Months
 - Endowment Balance: 287K
 - Constituent Balance: 1.2M

◎ Staff

- Administrative - 0.92 FTE over 4 people
(Shirley Campbell, Mark Fischer, Talia Jurgens, Veronica Richison)
- Contracts - 1.45 FTE over 3 people
(Shirley Campbell, Mark Fischer, Veronica Richison) does not include staff on contracts where NSGF serves exclusively as the fiscal agent

- ◎ 11 Current Contracts
- ◎ Sources
 - 4 NASA
 - 5 State Based Space Grant Programs
 - 2 Other Organizations

◎ NASA

- NASA Summer of Innovation Mini-Grant Program – NASA/Glenn
- NASA Aerospace Scholars Program – NASA/JSC
- Women in STEM High School Aerospace Scholars (WISH) – NASA/JSC
- ESMD Space Grant Project – NASA/KSC

◎ State Based Space Grant Programs

- Interface Region Imaging Spectrograph (IRIS) Build – MTSG/Lockheed Martin
- Virginia Aerospace Science and Technology Scholars (VASTS) – VASG
- Commonwealth STEM Industry Internship Program (CSIIP) – VASG
- Building Leaders for Advancing Science and Technology (BLAST) – VASG
- Virginia Space Coast Scholars (VSCS) – VASG

◎ Other Organizations

- John Mather Nobel Scholars – John and Jane Mather Foundation for Science and the Arts
- Satellite Engineering for the Development of Puerto Rico's Aerospace Workforce - Puerto Rico Industrial Development Company

- Offered Through Partnership Agreements with Outside Organizations
 - Education Programs Support Services
 - Longitudinal Tracking – 10 states/1 other program
 - Application System – 8 states/6 other programs
 - Proposal System – 5 states/1 other program
 - Performs Services for SG Programs That Are Not Able to Utilize the NSGF Directly
 - Eric Day Web Design
 - Website Design/Hosting – 9 States, 2 Related Organizations, Council

Questions?

- NASA Summer of Innovation Mini-Grant Program – NASA/Glenn
 - Small Grants ~\$2500/each
 - Small, Community Based Organizations
 - Implement Sol Material
 - Summer and After School Student and/or Teacher Programs
 - Year 2 Awards
 - 200+ Awards Totaling 480K
 - Projected Impact:
 - 16,000 – 20,000 Students
 - 1,000 – 2,000 Educators, and
 - 700-1400 Informal Educators
 - 51 States/Jurisdictions Represented
 - NSGF's Responsibilities
 - Program Website
 - Solicitation, Evaluation, and Selection
 - Program Awards
 - Reporting

- ◎ NASA Aerospace Scholars Program – NASA/JSC
 - Interactive On-line Learning Experience
 - Cumulating in an On-Site Experience at NASA/JSC
 - Participants
 - High School Juniors (Texas)
 - Community College Students (Texas and Nation Wide)
 - Middle School Teachers (Texas)
 - NSGF's Responsibilities
 - Program Website
 - Application System
 - On-Line Course Management System
 - Longitudinal Tracking

- ◉ Women in STEM High School Aerospace Scholars (WISH) – NASA/JSC
 - Interactive On-line Learning Experience
 - Cumulating in an On-Site Experience at NASA/JSC
 - Female High School Juniors (Nation Wide)
 - NSGF's Responsibilities
 - Program Website
 - Application System
 - On-Line Course Management System

◎ ESMD/SG – NASA/KSC

- Base Contract
 - Lunabotics Student Competition
 - Senior Design Faculty Workshop
 - NASA Intern Support
 - Senior Design Support
 - Budget Cuts – 2013 Focus on Lunabotics
- Augmentations
 - eXploration Habitat (X-Hab) Academic Innovation Challenge – NASA/KSC, JSC, JPL
 - NASA Intern Support
- NSGF's Responsibilities: Award Administration

- eXploration Habitat (X-Hab) Academic Innovation Challenge – NASA/KSC, JSC, JPL
 - Student Design/Build/Test Teams
 - NASA Defined Projects
 - Competitively Selected
 - 5 New Awards Totaling 180K
 - Cal Poly, Pomona: Vertical Habitability Layout and Fabrication Studies
 - OK State: Deep Space Habitat, Horizontal Habitability Layout Studies
 - Texas A&M: Wireless Smart Plug for DC Power
 - U AL Huntsville: Design and Development of a Microgravity Random Access Stowage and Rack System
 - U Colorado Boulder: Remote Plant Food Production Capability
 - NSGF's Responsibilities
 - Facilitate Proposal Submission/Evaluation Process
 - Administer Awards

- ◎ Interface Region Imaging Spectrograph (IRIS)
Build – MTSG/Lockheed Martin
 - IRIS Build Awards
 - Student Teams
 - Up to 25 Awards
 - NSGF's Responsibility: Award Distribution

- Virginia Aerospace Science and Technology Scholars (VASTS) – VASG
 - Interactive On-line Learning Experience
 - Cumulating in an On-Site Experience at NASA/Langley
 - Virginia High School Juniors
 - NSGF's Responsibilities
 - Program Website
 - Application System
 - On-Line Course Management System
 - Marketing Email Support

- ◎ Commonwealth STEM Industry Internship Program (CSIIP) – VASG
 - Pairing Students With Industry Internships
 - NSGF's Responsibilities
 - Program Website
 - Student Application
 - Industry Portal
 - Management Portal

- Building Leaders for Advancing Science and Technology (BLAST) – VASG
 - Provide hands on STEM experience
 - Focused on students with interest or passion for STEM but underperforming in academics
 - NSGF's Responsibilities
 - Program Website
 - Student Application
 - Marketing Email Support

- Virginia Space Coast Scholars (VSCS) – VASG
 - Interactive On-line Learning Experience
 - Cumulating in an On-Site Experience at NASA/Wallops
 - Virginia High School Sophomores
 - NSGF's Responsibilities
 - Program Website
 - Student Application
 - On-Line Course Management System
 - Marketing Email Support

- ◎ John Mather Nobel Scholars – John and Jane Mather Foundation for Science and the Arts
 - Travel Support
 - Current and Former NASA/Goddard Interns
 - Recipients Receive Three Year Awards
 - 11 New Awards in 2012 Totaling 33K
 - NSGF's Responsibilities
 - Program Website
 - Student Application
 - Evaluation/Selection
 - Award Administration

- Satellite Engineering for the Development of Puerto Rico's Aerospace Workforce - Puerto Rico Industrial Development Company
 - CubeSat Initiative in PR
 - Support for
 - Student Teams
 - Faculty Mentors
 - Supplies
 - NSGF's Responsibilities: Award Administration

- ◎ Offered Directly By NSGF
 - Endowment/Expendable Accounts
 - Meeting Registration
 - 2 National, 4 of 5 Regionals, 5 Other Meetings
 - Student Payments – 8 States
 - Process Student Fellowship, Scholarship, and/or Internship Payments