Welcome and Introduction

Dr. Stephen M. Ruffin
Director, NASA’s Georgia Space Grant Consortium
Professor and Associate Chair, School of Aerospace Engineering
Georgia Institute of Technology
Atlanta, GA

National Council of Space Grant Directors Fall 2017 Meeting
September 14-16, 2017
Grand Forks, ND
Outline

• Welcome and Updates
• Introductions
• Agenda Features
Space Grant Annual 2017 Accomplishments...

• Got a bunch of people to visit North Dakota for the first time ever
Space Grant Impact on Educators and K-12 Students in FY 2015

Total of 25,547 Educators
- Higher Ed Faculty: 3,133
- In-Service K-12: 20,046
- Informal Educators: 1,562
- Pre-Service: 805

Total of 314,995 K-12 Students
- High School: 32,991
- Middle School: 124,533
- Elementary School: 157,471
NASA Educator Development

This year I found the NASA JSC 1974 press release for my Mom’s involvement

• NASA’s Apollo-Soyuz test project and space shuttle program

Professor Inetha W. Ruffin, assistant professor of physics at Southern University, Baton Rouge, Louisiana, is taking part in a 10-week summer faculty fellowship program at the NASA Johnson Space Center. She is one of 53 university professors and instructors participating in the program at JSC, which is sponsored by NASA in cooperation with the American Society for Engineering Education.

Professor Ruffin said, "The program is a rewarding intellectual experience."
Space Grant Higher Education Awardees in FY 2015

- Scholarship: 2,388 (49.0%)
- Higher Education: 803 (16.5%)
- Fellowship: 792 (16.2%)
- Travel: 26 (0.5%)
- Research Infrastructure: 433 (8.9%)
- Faculty Projects: 10 (0.2%)
- Internship: 384 (7.9%)
- Other: 41 (0.8%)
- Total: 4,877

Space Grant Awardees
Tracking Space Grant Student Awardees in FY 2015

Space Grant Advancing Diversity
- 43% female participants
- 28% underrepresented minorities

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduated and Pursuing Advanced STEM Degree</td>
<td>2,013</td>
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<tr>
<td>Graduated and Seeking STEM Employment</td>
<td>294</td>
</tr>
<tr>
<td>Employed by STEM Aerospace Contractor</td>
<td>475</td>
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<tr>
<td>Employed in STEM Non-aerospace Position</td>
<td>1,210</td>
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<tr>
<td>Employed by NASA/Jet Propulsion Lab</td>
<td>77</td>
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<tr>
<td>Employed in Other STEM Academic Field</td>
<td>346</td>
</tr>
<tr>
<td>Employed in K-12 STEM Academic Field</td>
<td>114</td>
</tr>
<tr>
<td>All Other - e.g. Non-STEM Employment or Academic Degree</td>
<td>889</td>
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Maybe you have heard of NASA Space Grant’s 2017 Eclipse Activities?

• The national network mobilized to inspire and educate!

https://youtu.be/uan-qDRkvL8
Another Stellar Year for NASA’s Space Grant

• Stellar accomplishments in meeting critical national needs

• Your efforts and those of all of our stakeholders ensure continued advancement of the NASA Education mission
  • ...despite a challenging and changing environment

• Thank you for improving the lives and careers of so many!
Much has Happened in My Family Since we Last Met...
• My actor son keeps surprising me

2015: Played **Romeo** in “Romeo and Juliet”

2016: Acted like Romeo in his Wedding

2017: Played **Juliet** in “Shakespeare in Love”
My daughter who flew like an eagle at college graduation last year...

Took one step closer to really, actually, finally being out of the nest:
Meet Nurse Nikki!
My Industrial Engineer son who graduated 2 years ago has remained gainfully employed and out of my house!

This year, he got promoted, earned more responsibility and visibility. AND, I am less and less able to understand what he does.
The NASA Family

- Introduce our new additions
- Update us on those who have left
Agenda Features

• Even More Interactive Sessions
  • Workshop: Development of Diversity Plans (3:15pm Thur.)
  • Student Poster Session, Eclipse Fair, Reception (4:30pm Thur.)
  • Workshop: NASA Ed. Listening & Feedback Session (8:35am Fri.)
  • Yoga during a break (is that a typo?)
  • Panel Discussion: Finding Additional Funds (3:00pm Fri.)

• National Space Grant and NASA Initiatives
  • Eclipse Ballooning Videos & Results (12:00pm Fri.)
  • USIP, HASP
  • NASA Chief Technologist
  • MUREP
Agenda Changes

• Greg Guzik (LA SGC), NASA HASP 2017 Results and 2018 Opportunity
  • Moved from Fri. 1:20pm to Sat. 9:50am

• Al Conde (Deputy NASA Chief Scientist) speaking instead of Douglas Terrier (NASA Chief Scientist)
  • Fri. at 1:00pm

• Luke Flynn (HI SGC) USIP speaking instead of Daniel Hicks (Spaceport America)
  • Sat. at 10:05am