



North Dakota Space Grant Consortium Annual Affiliates Meeting

Devils Lake, ND - May 4, 2015

Santhosh Seelan
Director, NDSGC

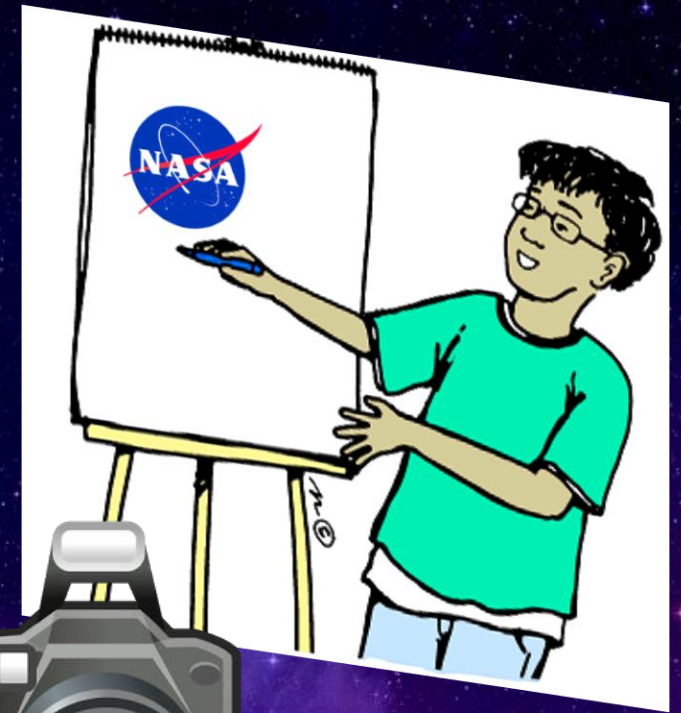
Caitlin Nolby
Coordinator, NDSGC



MAY THE _____
FOURTH
_____ BE WITH
YOU

Agenda

- 9:05am Review of the Past Year
- 9:15am Lego Drop!
- 10:00am Presentations
- 10:40am *Break*
- 10:50am Presentations
- 12:00pm Group Picture
- 12:10pm *Lunch*
- 1:00pm Space Grant Updates and Open Discussion
- 2:00pm LRSC Campus Tours!



Purpose of Space Grant

- The NASA Space Grant Program is a national network that promotes science, technology, engineering and mathematics (STEM) education through cooperative and multidisciplinary programs while recruiting and training the workforce.
- The North Dakota NASA Space Grant Consortium fulfills the Space Grant mission by involving North Dakota faculty, students, and K-12 teachers and students from across the state.
- The NDSGC works in close coordination with North Dakota NASA EPSCoR (Experimental Program to Stimulate Competitive Research) to improve the environment for STEM education in North Dakota





CANKDESKA CIKANA
COMMUNITY COLLEGE
Spirit Lake Dakota Nation

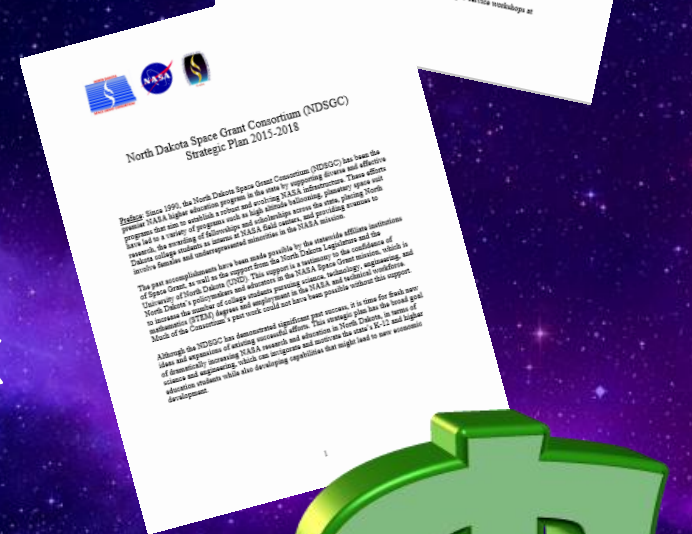
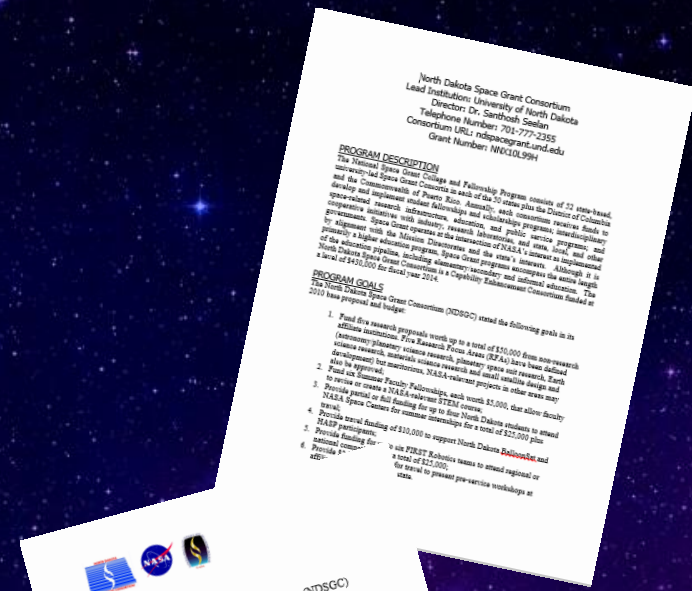


VALLEY CITY
STATE UNIVERSITY



Budget and Reporting

- \$430,000 for FY15
- \$200,000 state match for FY15
- Received approval for No-cost Extension through June 2016
- Proposal accepted for 3 year grant – thank you affiliates and supporters!
- Annual report for FY 2014 was submitted to NASA in April 2015



Our Major Budget Elements

- **Summer Faculty Fellowships**
- **Scholarships/Fellowships**
- **GRAs and Tuition Waivers**
- **Student Travel Funding for Conferences**
- **Support for national competitions**
- **Research Focus Area Projects**
- **Human Spaceflight Laboratory (rover, suits, habitat)**
- **Summer internships at NASA Centers**
- **Meetings and other administrative expenses**

FY14 Report Highlights

- 181 undergraduate scholarships awarded
 - 5 American Indian Scholarships
 - Pearl I. Young Scholarships (UND)
 - Lillian Goettler Scholarships (NDSU)
 - Integration Scholarship (LRSC)



Carl Kolbo, LRSC



Haylee Archer, UND



Mindy Ludlum, NDSU

FY14 Report Highlights

- 11 student research fellowships awarded
 - UND, NDSU, Minot SU, LRSC, DCB, DSU



FY14 Report Highlights

5 NASA Internships Awarded



Lindsay Anderson, JSC



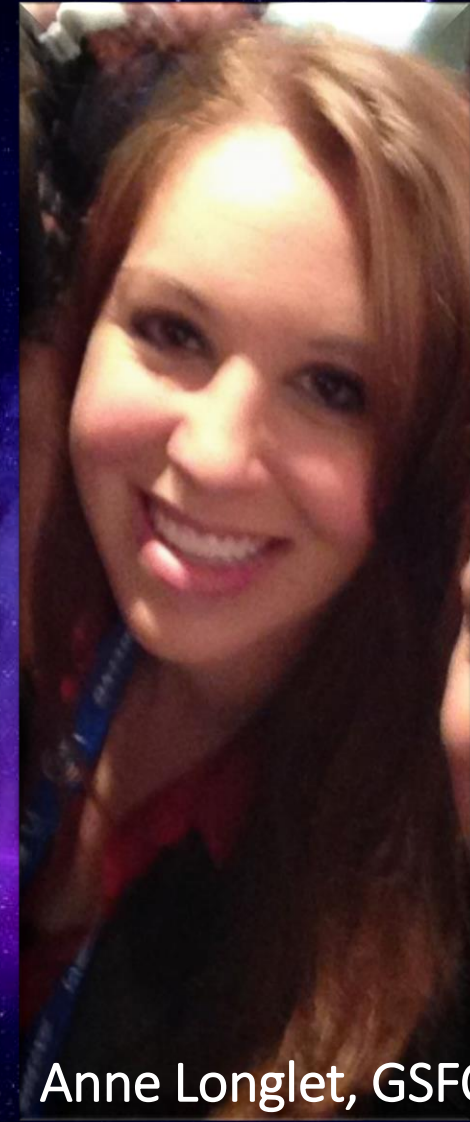
Tim Buli, JSC



Jordan Senff, MSFC



Kendell LaRoche, MSFC



Anne Longlet, GSFC

FY14 Report Highlights

7 Student Travel Grants



Emily Nordahl & Mitchel Nordahl, NDSU



Travis Nelson, UND



Tim Buli, UND



Lindsay Anderson & Tiffany Swarmer, UND



Matt Zimmer, UND

FY14 Report Highlights

Outreach Events



FY14 Report Highlights

K-12 Programs



FY14 Report Highlights

5 Student Team Competitions



FY14 Report Highlights

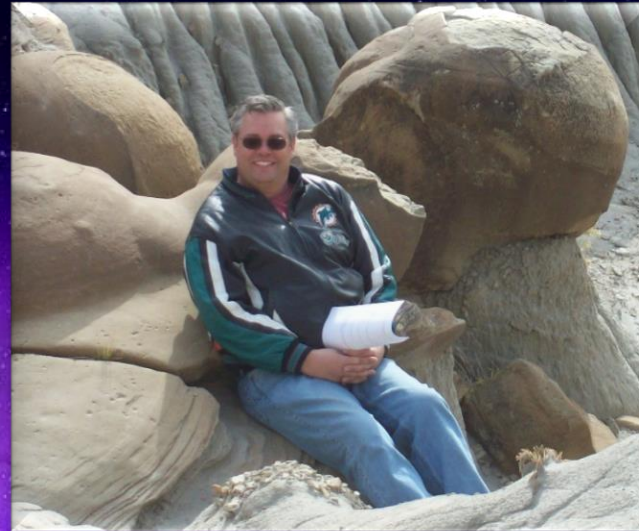
5 Summer Faculty Fellowships



Joshua Steffan, DSU



Margaret Brady, NDSCS



Eric Brevik, DSU



Shaun Prince, LRSC



Jim Casler, UND

The New Aurora is out!



Lego Drop!

- Thanks to Colorado SGC and GF Public Library
- Goal = Build the lightest weight structure that keeps the light bulb intact and working after the drop
- Up to 6 teams of ~5 people
- 25 minutes to build your structure
- Weigh structures (fastest teams bonus!)
 - 1st: -40g , 2nd: -30g , 3rd: -20g
- Drop test
- What will be *your* team's strategy?

Discussion



- August 21, 2017
- 2017 Total Solar Eclipse
- Series of High Altitude Balloon Launches
- NDSGC will launch from Idaho
- College focus with potential for K-12 involvement
- Streaming of eclipse from stratosphere to NASA website
- Eclipse.montana.edu

Discussion

- Summer/Fall visits to affiliate institutions
- Pre-service workshops and Classroom Visits
- Campus Career Fairs
- New Programs!
 - STEM Ambassadors
 - Community College and Tribal College Fellowship Bridge Program
- Vacancy for Assistant Coordinator– July 1, 2015
- NASA Policy on funding Nursing students
- Next meeting date, day of week, time of year?
- Next meeting location
- Reimbursement information



Thank you!
Now for some LRSC
campus tours!