

NASA Idaho Space Grant Consortium Update

October 2018

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NASA turned 60 on October 1, 2018. Celebrate by checking out the NASA @ 60 video here: https://www.youtube.com/watch?v=1UaBgr_sq9A

Connect with the NASA Idaho Space Grant Consortium (ISGC)!
Website: <https://www.idahospacegrant.org/>
✉ Email: isgc@uidaho.edu
f Facebook: <https://www.facebook.com/NASAIISGC>
📷 Instagram: <https://www.instagram.com/nasaisgc/>
in LinkedIn: <https://www.linkedin.com/company/nasa-idaho-space-grant-consortium/>

Important Dates

Note: Links to the opportunities below can be found on the last page of this newsletter.

- October 2, 2018 - ISGC K-12/Informal Education Solicitation release
- October 24, 2018 - Pre-Proposal Conference #1 for ISGC K-12/Informal Education Solicitation 3:30 pm Pacific Time
- November 13 - Pre-Proposal Conference #2 for ISGC K-12/Informal Education Solicitation at 4 pm Pacific Time
- December 3, 2018 - ISGC Solicitation Releases for:
 - * Research Seed Grants
 - * Undergraduate Research and STEM Engagement Grants
- December 3, 2018 - ISGC Opens Applications for:
 - * Graduate Fellowships (for Fall 2019)
 - * Undergraduate Scholarships (for Fall 2019)
- January 11, 2019 - Pre-College/Informal Education Grant Proposals due to ISGC
- February 8, 2019 - Research Seed Grant and Undergraduate Research and STEM Engagement Proposals due to ISGC
- February 20, 2019 - ISGC Fellowship Applications due
- February 28, 2019 - ISGC Scholarship Applications due

National Space Grant Program Updates

“It’s an interesting place to be. I recommend it.”

- Neil Armstrong, on going to the moon

NASA Releases 1-Year Extension Solicitation for Space Grants Instead of Multi-Year Solicitation

NASA has released a 1-year extension solicitation for Space Grant consortia. Originally, Space Grant consortia across the nation were anticipating a multi-year solicitation, but delays in the evaluation of the national Space Grant program, and other factors, have caused NASA HQ Office of STEM Engagement to delay the release of the multi-year solicitation until mid-2019.

Proposals for the 1-year extension are due November 6th. Given that this is an extension proposal, ISGC does not anticipate major changes to its activities. The only major change is that Designated Space Grant Consortia (such as ISGC) are able to request up to \$714,400. This represents a \$45,600 reduction from last year’s budget. ISGC proposes to spread the cuts over multiple programs to minimize the impact. One additional change, for this proposal only, is that NASA HQ is not requiring concurrence letters from affiliates prior to submission. So that means less work for the affiliates and fewer pages in the proposal!

ISGC will send out a draft proposal for affiliate representatives to review and comment on before submission. Be on the lookout for the draft proposal before October 24.

NASA’s Office of Education renamed to the Office of STEM Engagement

In August 2018, the NASA Office of Education was renamed the Office of STEM Engagement (OSE). Along with the name change, the OSE has been reorganized to focus on key programs including Space Grant, the Established Program to Stimulate Competitive Research (EPSCoR), and the Minority University Research and Engagement Program (MUREP) as well as engaging the next generation of explorers in NASA’s missions. More information on OSE can be found at:

<https://www.nasa.gov/offices/education/about/index.html>.

The Apollo 11 computers had less processing power than a cellphone!





Apollo 9 is launched from Pad A, Launch Complex 39, Kennedy Space Center (KSC) at 11 a.m. (EST), March 3, 1969.

NASA Highlights

Apollo 50th Anniversary

From October 2018 through December 2022, NASA will celebrate the 50th anniversary of the Apollo Program that landed a dozen Americans on the moon between July 1969 and December 1972.

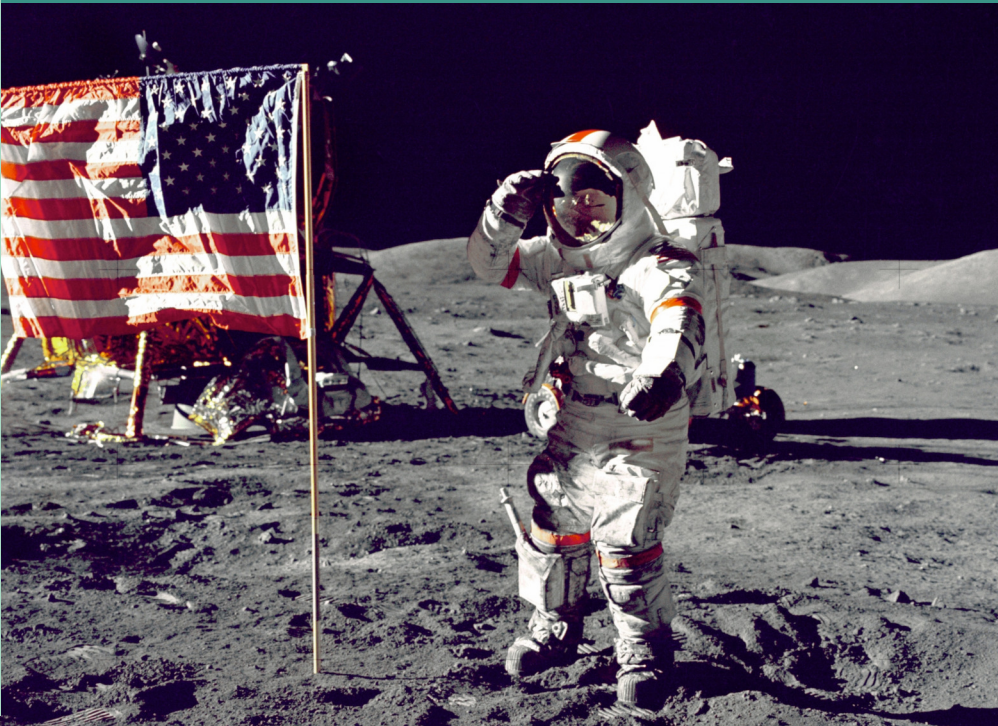
NASA is particularly interested in supporting programs and projects celebrating Apollo's 50th anniversary - with an eye toward the current effort to return to the Moon. ISGC is also interested in supporting projects and events related to Apollo - particularly those that focus on Idaho's involvement with the Apollo program. If you know of any Idahoan or Idaho location involved with the Apollo program, please share that with us via email at: isgc@uidaho.edu.

Find out more about the Apollo program, view historic photos, and download interesting activities at: https://www.nasa.gov/mission_pages/apollo/index.html

Created by NASA graphic artist Matthew Skeins, the logo offers a nod to the past with a few elements borrowed from the original program emblem, and a glimpse into the future with a graphic depiction of NASA's vision for the next half-century of deep space exploration."



The Apollo 50th anniversary logo is available for download at: https://images.nasa.gov/details-APOLLO%2050th_FULL%20COLOR_300DPI.html.



Neil Armstrong took his first steps on the moon July 21st, 1969!



Student Highlight

Natasha Dacic

"This summer I had the opportunity to intern for the Atmospheric Chemistry and Dynamics Lab at the NASA Goddard Space Flight Research Center (GSFC) in Greenbelt, MD, and it was quite the experience.

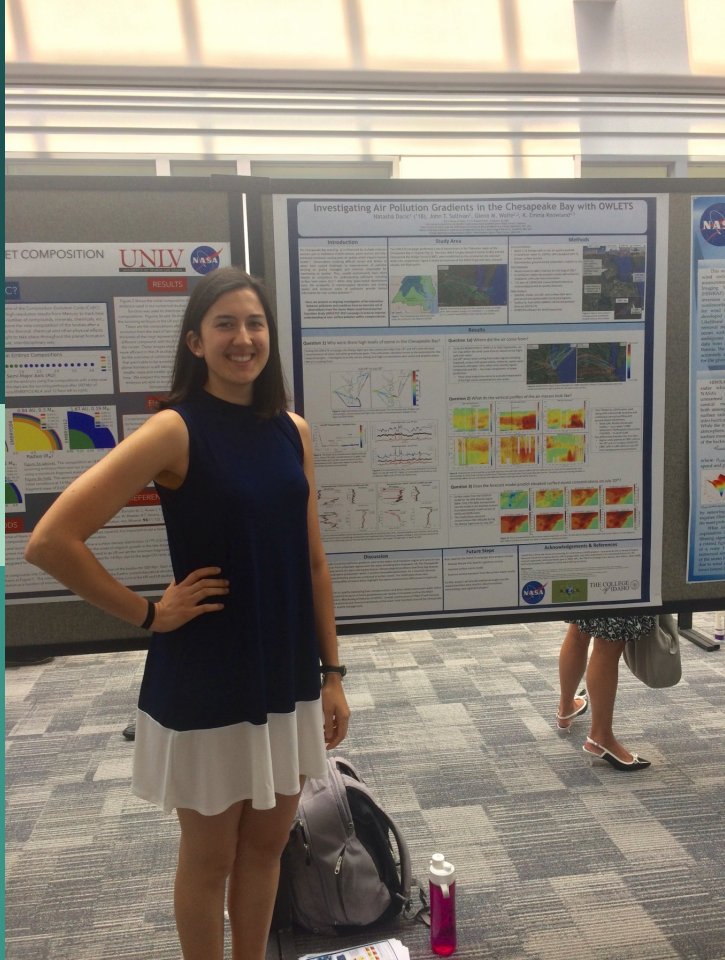
My internship program was conducted through the University of Virginia's Advanced Computing for Earth Sciences in conjunction with NASA. I spent 2.5 weeks at University of Virginia in Charlottesville, VA, partaking in a coding boot-camp where we were introduced to multiple coding languages through lectures and labs. At the conclusion of the boot-camp, I spent about 8 weeks at GSFC investigating air pollution gradients within the Chesapeake Bay.

Throughout my summer I was able to network with professionals, attend keynote lectures, strengthen my coding skills, conduct and present research, as well as participate in exploration and travel. Being close to DC, I had the chance to visit many museums and events as well as travel to neighboring states.

Some highlights throughout my summer internship included being selected to ask an astronaut a question for the ISS Downlink that occurred July 30th as well as winning one of the three poster awards for the science category during the Goddard poster session!"

My internship transitioned into a full-time position as an associate research scientist for Science Systems and Applications, Inc. (SSAI) at NASA GSFC. I am working on two research projects: continuing my summer's research and working on the cloud and aerosol LiDAR remote sensing team.

I would encourage anyone interested to apply to a NASA internship because it has been a fulfilling experience. Not only have I learned a lot about my research but I gained so many new friends and connections along the way that I will cherish forever. The experience has also allowed me to question my interests in what I want to pursue in graduate school."



Natasha is studying Physics and Math at The College of Idaho!



NASA Opportunities

NASA Looking to Fund Researchers That Use NASA's Physical Science Informatics System

NASA recently released an opportunity for researchers to use NASA's Physical Sciences Informatics System," available at <https://tinyurl.com/NASA-PSI-E>. NASA is seeking ground-based research proposals from established researchers and graduate students to generate new scientific insights by utilizing experimental data residing in NASA's Physical Sciences Informatics (PSI) system (<http://psi.nasa.gov>). PSI is an online database of completed physical science reduced-gravity flight experiments conducted on the International Space Station (ISS), Space Shuttle flights, Free-flyers, commercial cargo flights to and from the ISS, or from related ground-based studies. The proposals submitted in response to this NRA must present a compelling case on how the experimental data from the PSI system will be used to promote the advancement of further research. Proposers must show a clear path from the scientific data obtained from the PSI system to the proposed investigation. In addition, the project must address an important problem in the proposed area of research and advance scientific knowledge or technology.

The umbrella NRA will remain open until 2022, with planned annual opportunities to propose to be provided through a series of appendices. This latest announcement is for the release of Appendix E, which solicits proposals in the five research areas: Combustion Science, Complex Fluids, Fluid Physics, Fundamental Physics and Materials Science. This solicitation is applicable to researchers in all categories of U.S. and non-U.S. organizations, including educational institutions, industry, nonprofit organizations, NASA Centers and other U.S. Government agencies. This NRA is soliciting proposals from two types of investigators: 1) established researchers, including postdoctoral scholars; 2) graduate students (with academic advisors) from accredited U.S. postsecondary institutions and programs. The proposals from graduate students must be submitted by their advisor. Eligibility requirements and further instructions for both types of investigators are provided in the NRA. Principal Investigators (PIs) may collaborate with investigators from universities, Federal Government laboratories, the private sector, state and local government laboratories, and other countries..

NASA plans to conduct a proposers' conference via WebEx on October 16, 2018. Prospective proposers are advised to monitor the solicitation webpage for further information on the conference, including instructions on how to submit your questions about the PSI or the NRA. .

“That's one small step for man,
one giant leap for mankind.”
-Neil Armstrong



Fall is the Best Time to Apply for Summer 2019 Internships!

Attention students! Whether you are considering applying for a NASA internship or an industry internship, Fall semester is the best time to apply!

NASA's new internship application system opened on October 1st, 2018 and is accepting intern applications for Spring 2019, Summer 2019, and Fall 2019. To apply for an internship at a NASA Center, visit <https://intern.nasa.gov/>.

If you have questions about applying for internships, ISGC will hold two internship webinars in November to help students navigate the NASA system and to learn more about industry internships as well.

Be sure to check out www.idahospacegrant.org, or ISGC's Facebook page at <https://www.facebook.com/NASAISGC/> for the webinar details - which should be posted by the end of October.

Do not forget that most internships require a letter of recommendation. So, now is the time to reach out to your contacts to discuss recommendation letters!



Resources



Get the latest STEM Education Updates from NASA

Attention! If you're interested in receiving updates from NASA and STEM partners related to:

- Workshops
- Internships
- Fellowships
- Grants or collaborations
- Student and educator opportunities
- Online professional development:
- and other announcements

Then be sure to sign up for NASA EXPRESS at https://www.nasa.gov/audience/foreducators/Express_Landing.html

Or, check out the webpage at: <https://blogs.nasa.gov/educationexpress/>

“Here men from the planet Earth first set foot upon the moon. July 1969 A.D. We came in peace for all mankind.”

- Engraving on the plaque left on the Moon's surface by Neil Armstrong and Buzz Aldrin

Links to Opportunities/Events/Resources

- **NASA's 60th Anniversary website:**
<https://www.nasa.gov/specials/60counting/index.html>
- **NASA Internship System:** <https://intern.nasa.gov/>
- **ISGC K-12/Informal Education Solicitation** (and Pre-Proposal telecon information): <https://tinyurl.com/ISGC-K-12-STEM> (direct link) or www.idahospacegrant.org
- **NASA's Apollo 50th Anniversary website:**
<https://www.nasa.gov/specials/apollo50th/>
- **Solicitations for Research Seed Grants and Undergraduate Research and STEM Engagement Grants** will be posted at www.idahospacegrant.org
- **Application details for ISGC Fellowships and Scholarships** will be posted at www.idahospacegrant.org
- **NASA Space Apps Challenge:**
<https://2018.spaceappschallenge.org/>
- **NASA's Physical Sciences Informatics System:**
<https://tinyurl.com/NASA-PSI-E>

Do you have news, events, or opportunities you want to share with ISGC affiliates?

Please send an email to: isgc@uidaho.edu and we will put it in our next newsletter!