Flight Opportunities

ISSUE: 59 | January 2023

In This Issue

Community of Practice

- Join us tomorrow for the February webinar: NASA TechFlights – Best Practices for Proposing

News

- NASA Announces 2022 TechFlights Selections
- Winning Teams Announced for TechRise Student Challenge

Opportunities

- Now Open: Lunar Surface Technology Research (LuSTR) Opportunities

Events

- SmallSat Symposium: Feb. 7-9, 2023
- NASA's Human Research Program Investigators' Workshop: Feb. 7-9, 2023
- Next-Generation Suborbital Researchers Conference: Feb. 27-Mar. 1, 2023

Enjoy!
The Flight Opportunities team

Community of Practice

Join Us for the February Webinar

NASA TechFlights: Best Practices for Proposing
The NASA TechFlights solicitation is one avenue for researchers to **access flight tests** through the Flight Opportunities program. TechFlights offers funding opportunities to principal investigators from U.S.-based industry, academia, and non-profit research institutions to flight test innovations that may meet NASA or industry technology needs. This session will share key tips for researchers to keep in mind as they respond to upcoming TechFlights solicitations. The discussion will cover best practices for preparing a proposal and identify resources available to prospective researchers. This session will be valuable to researchers interested in suborbital and hosted orbital flight tests.

Wednesday, February 1, 2023
10:00 a.m.-11:00 a.m. PST

Join on your computer or mobile app
Microsoft Teams meeting
Click here to join the meeting

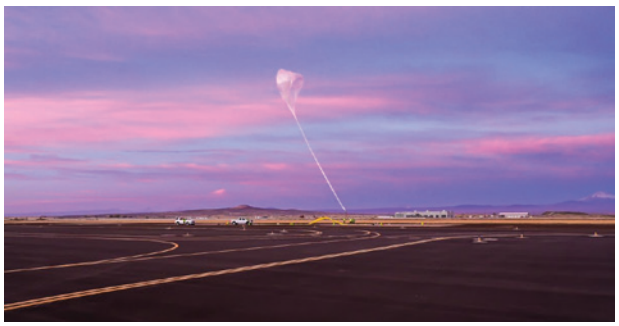
Or call in (audio only)
+1 256-715-9946
Phone Conference ID: 525 323 272#

Do you have ideas or suggestions for a future Community of Practice topic? We'd love to hear your thoughts. Email us at NASA-FlightOpportunities@mail.nasa.gov to tell us what you'd like to see.

News

NASA Announces 2022 TechFlights Selections

NASA has selected nine space technologies for flight testing to advance innovations that address mission needs for both the agency and the commercial space industry.



Credit: SpaceWorks Enterprises

Selected as part of NASA's 2022 TechFlights solicitation, these technologies will fly aboard commercial suborbital vehicles such as high-altitude balloons, aircraft following parabolic flight profiles, and suborbital rocket-powered systems as well as commercial payload-hosting platforms in orbit, such as spacecraft. The TechFlights selections represent a $6.1 million investment in technology testing and involved collaboration with the agency's Small Spacecraft Technology program. "Flight Opportunities is excited to support these efforts to solve some of the most important challenges facing space exploration and Earth observation," said Danielle McCulloch, acting program manager for Flight Opportunities.

Read the **NASA web feature** to learn more about the 2022 TechFlights technology selections, and **access resources** to begin preparing for the 2023 solicitation!

Winning Teams Announced for TechRise Student Challenge

NASA has selected 60 winning teams for the second TechRise Student Challenge, a nationwide contest designed to engage students in technology, science, and space exploration.

The challenge was open to students in grades six through 12 at American public, private, or charter schools, including those in U.S. territories. This year, winning teams include about 500 students representing 38 states and territories. Each team will receive $1,500 to build a science or technology experiment and an assigned spot to test it on one of two NASA-sponsored high-altitude balloon flights scheduled for this summer.

Winning proposals address a wide variety of science and technology challenges, including evaluating the effects of climate change; protecting humans, electronics, and various materials against radiation; testing machine learning and computing techniques for space technology; and supporting human health on long-duration space missions.

Read the **NASA press release** to learn more and to access the full list of winning teams.

Credit: Saxe Middle School

Opportunities

Now Open

Lunar Surface Technology Research (LuSTR) Opportunities
NASA's Space Technology Mission Directorate (STMD) is soliciting proposals from U.S. universities for innovative lunar surface space technology research and development of high priority to NASA. Released as an appendix to the SpaceTech-REDDI-2023 solicitation, the proposal call supports STMD's Lunar Surface Innovation Initiative (LSII). This LuSTR opportunity features topics that address specific challenges in three of the LSII focus areas: Dust Mitigation, Extreme Access, and In-Situ Resource Utilization. NASA anticipates making up to four awards. Proposals are invited for 1- to 2-year projects, and total amounts are expected to range between $1M and $2M per award.

Learn more about this opportunity
Notices of Intent Due: March 22, 2023
Proposals Due: April 24, 2023

Events

SmallSat Symposium

February 7-9, 2023
Mountain View, California

SmallSat Symposium aims to arm members of the small satellite industry with the knowledge and insight needed to remain agile in a rapidly changing environment through access to industry leaders, suppliers, partners, and customers.

NASA Human Research Program (HRP) Investigators' Workshop (IWS)

February 7-9, 2023
Galveston, Texas

The HRP IWS is the primary venue for reporting progress and results from HRP-funded research and technology tasks, with the additional benefit of permitting cross-discipline interaction among the full spectrum of investigators. It also provides NASA with an outreach opportunity to include abstract submissions from other external researchers who would like to become involved.

Next-Generation Suborbital Researchers Conference (NSRC)

February 27-March 1, 2023
Broomfield, Colorado

NSRC gathers the suborbital space research and education communities, including suborbital researchers, educators, flight providers, spaceport operators and government officials. NSRC 2023 will provide an in-depth forum for attendees to discuss funding, new research, and education missions aboard the many suborbital flight vehicles in operation and under development, as well as new results from recent suborbital missions. Flight Opportunities personnel will be in attendance and will host sessions that highlight best practices for suborbital flight testing. The program encourages all current and prospective suborbital researchers to attend.

Subscribe

Visit our Web site

Have ideas or feedback for the Flight Opportunities newsletter?
Drop us a line at:
NASA-FlightOpportunities@mail.nasa.gov

STAY CONNECTED:

NASA Flight Opportunities Program

Flight Opportunities is part of NASA's Space Technology Mission Directorate.