Flight Opportunities

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Enjoy!
The Flight Opportunities team

News

NASA Selects 31 Promising Space Technologies for Commercial Flights

NASA has selected 31 promising space technologies as part of the agency's Tech Flights 2020 solicitation for testing aboard parabolic aircraft, high-altitude balloons, and suborbital rocket-powered systems.

"We are excited to have selected more technologies for Flight Opportunities than we have in any prior year," said Christopher Baker, program executive at NASA's Headquarters in Washington, D.C. "We are leaning into the future with these selections, including our first of a researcher-tended payload on a suborbital space flight."

To read more about the selections and view the full list of awardees, read the **NASA web feature**.

Flights

Blue Origin's New Shepard rocket-powered system is prepared for launch on the company's launch pad in West Texas.

Flight Opportunities and Tipping Point Technologies Launched on Blue Origin's New Shepard

On Oct. 13, Blue Origin launched nine Flight Opportunities-supported technologies to space on its New Shepard rocket-powered system. The flight facilitated testing in microgravity for innovations ranging from hydroponic food growth to regolith collection, cryogenic fluid management, and more. Also aboard were key components of NASA's Safe and Precise Landing – Integrated Capabilities Evolution (**SPLICE**) technology suite with support from both Flight Opportunities and NASA's Tipping Point Program.

Read more about the technologies aboard in the NASA web features **here** and **here**.
Watch the replay of New Shepard's launch on the company's **YouTube page**.

Opportunities

NASA Request for Information: Small Spacecraft Technology Plan

NASA is pursuing rapid identification, development, and testing of capabilities that exploit agile spacecraft platforms and responsive launch capabilities to increase the pace of space exploration, scientific discovery, and the expansion of space commerce.

As it lays out plans to meet these objectives, **NASA is soliciting input** on the desired future "Outcomes" and the associated "Technology Gaps" that need to be closed to achieve them, as listed in the **Small Spacecraft Technology Plan**.

Researchers in the suborbital community as well as commercial flight providers are encouraged to submit input, along with any other interested parties.

Input statements are due no later than Nov. 13 at 5 p.m. PST.

Civilian Commercialization Readiness Pilot Program (CCRPP) Application Period Opens October 26

NASA's SBIR/STTR Program is offering the CCRPP for fiscal year 2021. The program is open to companies with prior SBIR/STTR Phase II awards resulting from Phase I awards that started in Program Year 2010 or later and whose base Phase II period of performance is completed by Dec. 7, 2020.

The primary objective of CCRPP is infusion or commercialization. *For projects in which suborbital flight testing is applicable, the Flight Opportunities program may be an external investor. Read more about potential* **Flight Opportunities investments** *on the program website.*

CCRPP Application Period: Oct. 26, 2020 – Dec. 7, 2020

Learn more.

Events

Join Us for One-on-One Sessions at the Innovation and Opportunity Conference

The Innovation and Opportunity Virtual Conference will be held **Oct. 20-22**. Brought to you by the NASA Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program, this free conference is structured to provide small companies with resources, engagement opportunities, and actionable next steps towards transitioning their technology, both for organizations just starting their SBIR/STTR journey or pursuing a Phase III award.

Flight Opportunities team members will be available at the event for one-on-one meetings with members of small businesses that want to learn more about the program. During the registration process, be sure to indicate your desire to sign up for one-on-ones, and you will receive additional information from the conference organizers on how to schedule the meetings.

Join Us for ASCEND Nov. 16–18

At next month's **ASCEND conference**, Flight Opportunities Program Executive Christopher Baker will speak on the topic of "Stimulating Science Aboard Suborbital Spacecraft" and Program Manager John Kelly will present "A Decade of Flight Opportunities". We hope you'll join us.

Mark Your Calendar for Other Upcoming Events

- **American Society for Gravitational and Space Research (ASGSR) Space Exploration Plant and Microbiome Learning Sessions: throughout October** (online);
  email Andrew Koehnemann for information and to register
- **SpaceCom Expo: Oct. 19-29** (online)
- **ASGSR Virtual Meeting: Nov. 5-6, 2020** (online)

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Have ideas or feedback for the Flight Opportunities newsletter?
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Flight Opportunities is part of NASA's Space Technology Mission Directorate.