



NASA GSFC's SBIR/STTR Program

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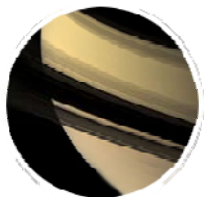
Aeronautics Research

Enabling a safer, more secure, efficient, and environmentally friendly air transportation system.



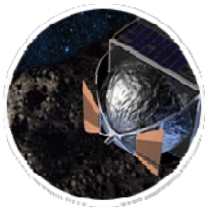
Human Exploration and Operations

Operating the International Space Station and prepare for the human exploration beyond low Earth orbit.



Science

Exploring the Earth-Sun system, our own solar system, and the universe beyond.



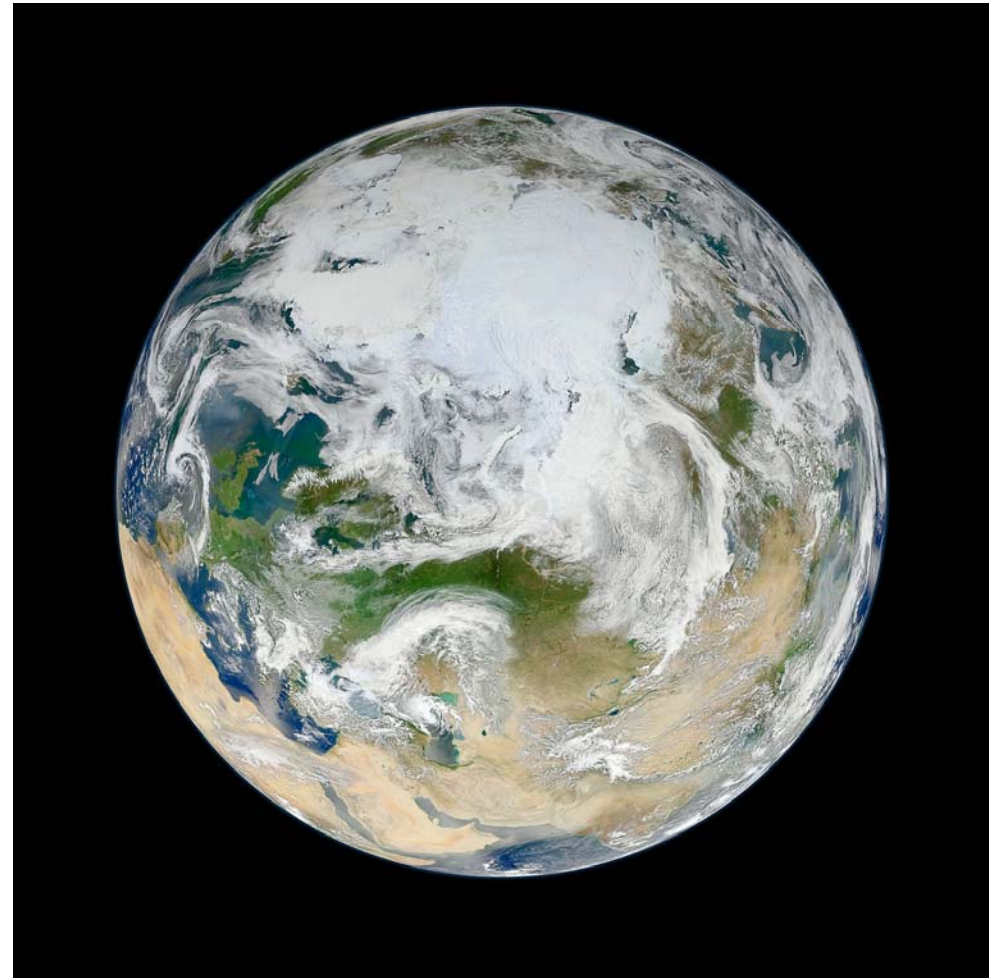
Space Technology

Developing the crosscutting, advanced and pioneering new technologies needed for current and future missions, benefiting the aerospace industry and other agencies, and addressing national needs.

GSFC's Areas of Interest



- Earth Science
- Astrophysics
- Heliophysics
- Planetary Science



GSFC Lead/Participating PY 2016 SBIR SMD Subtopics



TOPIC S1 Sensors, Detectors, and Instruments

- **S1.01** Lidar Remote Sensing Technologies
- **S1.02** Microwave Technologies for Remote Sensing
- **S1.03** Sensor and Detector Technology for Visible, IR, Far IR and Submillimeter
- **S1.04** Detector Technologies for UV, X-Ray, Gamma-Ray and Cosmic-Ray Instruments
- **S1.05** Particles and Field Sensors and Instrument Enabling Technologies
- **S1.06** In Situ Sensors and Sensor Systems for Lunar and Planetary Science
- **S1.07** Airborne Measurement Systems
- **S1.08** Surface & Sub-surface Measurement Systems
- **S1.09** Cryogenic Systems for Sensors and Detectors

TOPIC S2 Advanced Telescope Systems

- **S2.01** Proximity Glare Suppression for Astronomical Coronagraphy
- **S2.02** Precision Deployable Optical Structures and Metrology
- **S2.03** Advanced Optical Systems and Fabrication/Testing/Control Technologies for EUV/Optical and IR Telescope
- **S2.04** X-Ray Mirror Systems Technology, Coating Technology for X-Ray-UV-OIR, and Free-Form Optics

TOPIC S3 Spacecraft and Platform Subsystems

- **S3.04** Unmanned Aircraft and Sounding Rocket Technologies
- **S3.05** Guidance, Navigation and Control
- **S3.06** Terrestrial and Planetary Balloons
- **S3.07** Thermal Control Systems
- **S3.09** Command, Data Handling and Electronics

TOPIC S4 Robotic Exploration Technologies

- **S4.01** Planetary Entry, Descent and Landing and Small Body Proximity Operation Technology
- **S4.02** Robotic Mobility, Manipulation and Sampling
- **S4.03** Spacecraft Technology for Sample Return Missions
- **S4.04** Extreme Environments Technology
- **S4.05** Contamination Control and Planetary Protection

TOPIC S5 Information Technologies

- **S5.03** Algorithms and Tools for Science Data Processing, Discovery and Analysis, in State-of-the-Art Data Environments
- **S5.04** Integrated Science Mission Modeling

Colorado Companies with SBIR/STTR Awards From GSFC



- **Advanced Space, LLC**
 - Boulder, CO
- **Atmospheric & Space Technology Research Associates, LLC**
 - Boulder, CO
- **Barber-Nichols, Inc.**
 - Arvada, CO
- **Black Forest Engineering, LLC**
 - Colorado Springs, CO
- **Black Swift Technologies LLC**
 - Boulder, CO
- **Composite Technology Development, Inc.**
 - Lafayette, CO
- **Free Space Research**
 - Westminster, CO
- **GeoVisual Technologies, Inc.**
 - Boulder, CO
- **Microelectronics Research Development Corporation**
 - Colorado Springs, CO
- **Noqsi Aerospace Ltd**
 - Pine, CO
- **QuSpin, Inc.**
 - Westminster, CO
- **Vescent Photonics, Inc.**
 - Golden, CO