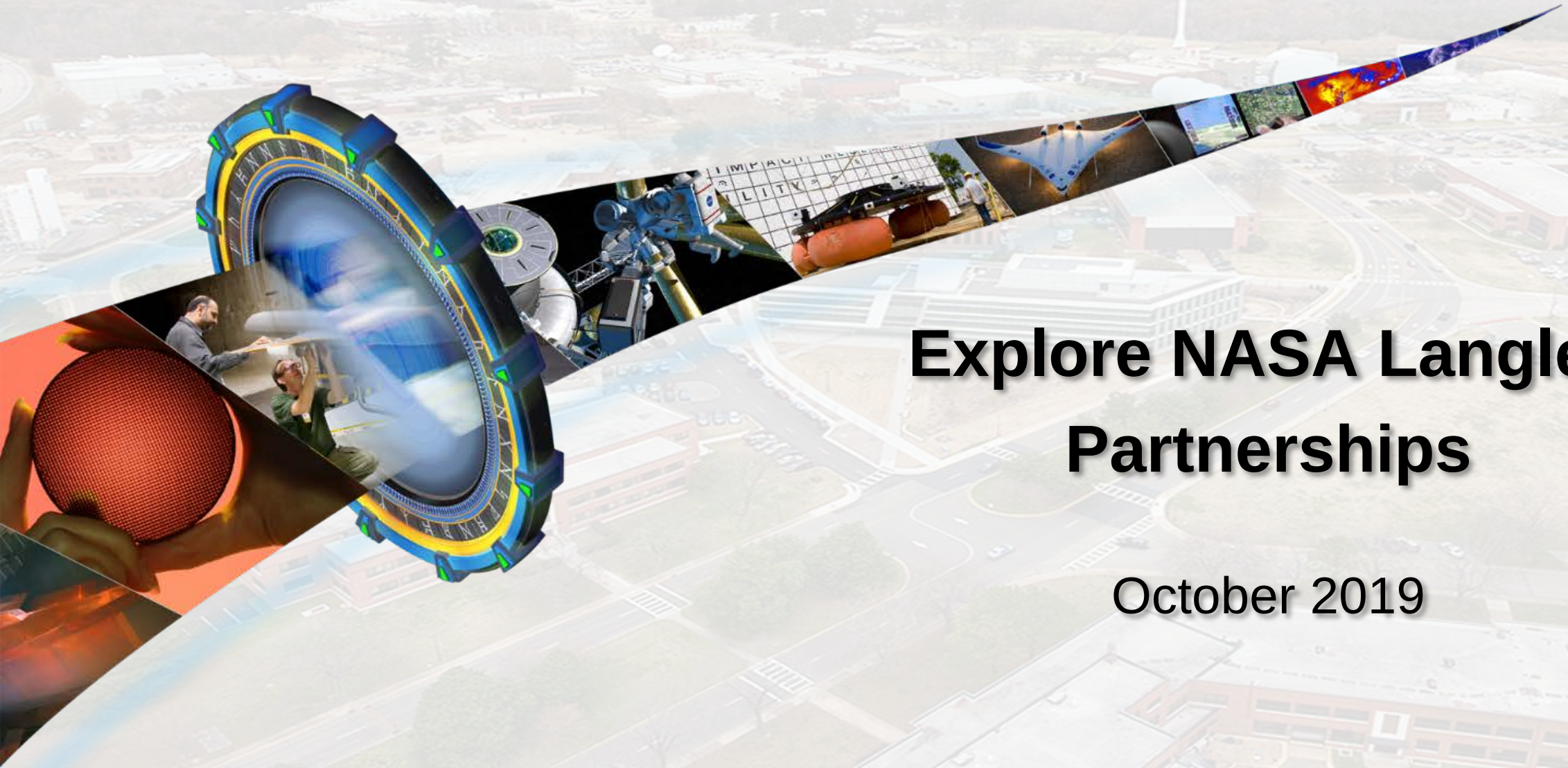
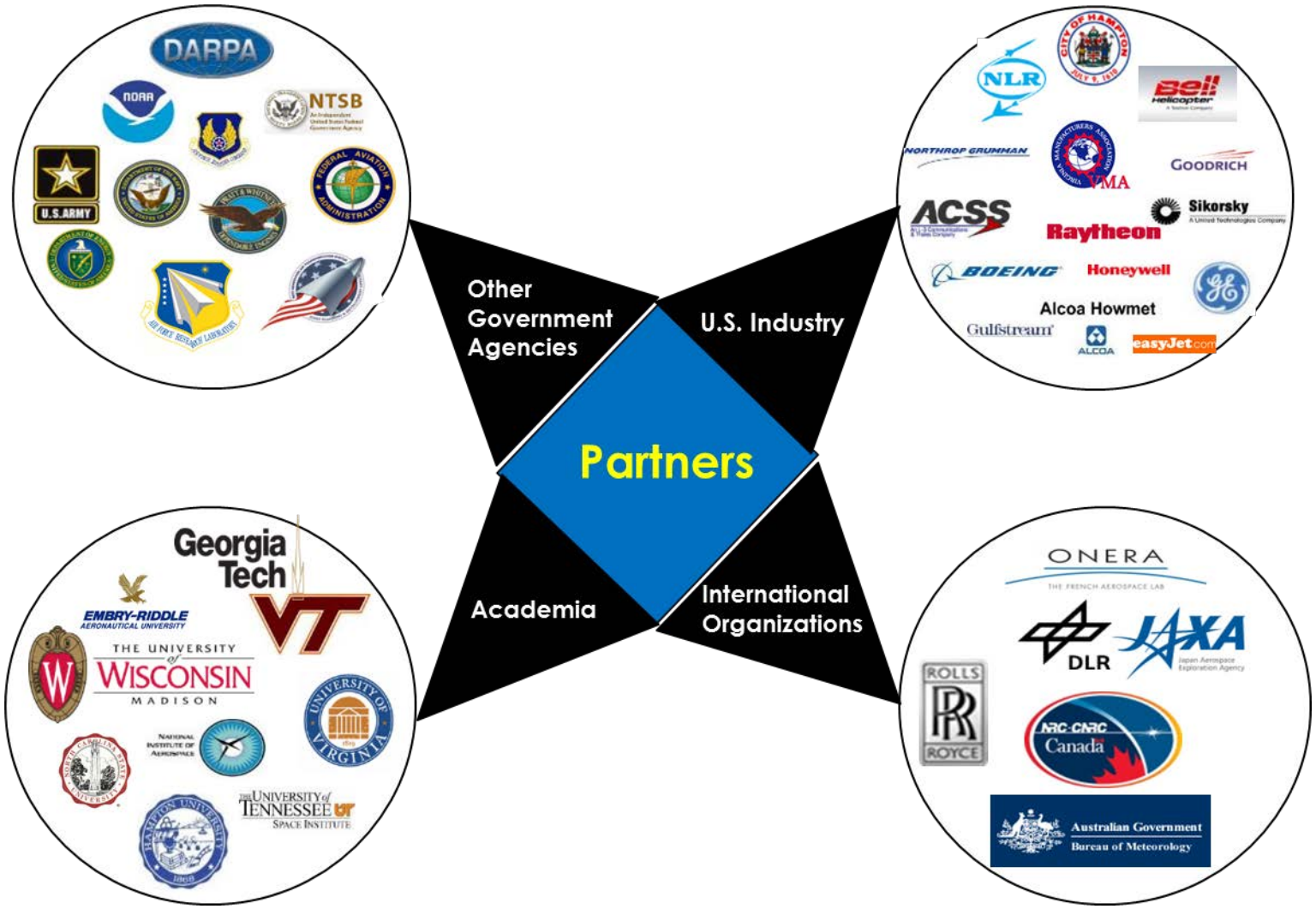


Explore NASA Langley Partnerships

October 2019

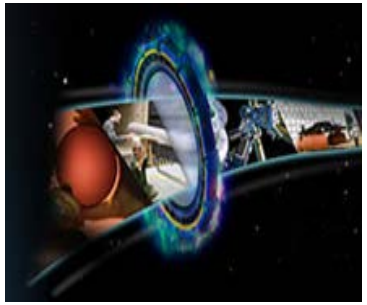
NASA Partnerships



Flagship Partnering Programs

Small Business Innovation Research (SBIR)

Small Business Technology Transfer (STTR)



Technology Transfer

Strategic Partnerships

Small Business Innovation Research (SBIR)
Small Business Technology Transfer (STTR)

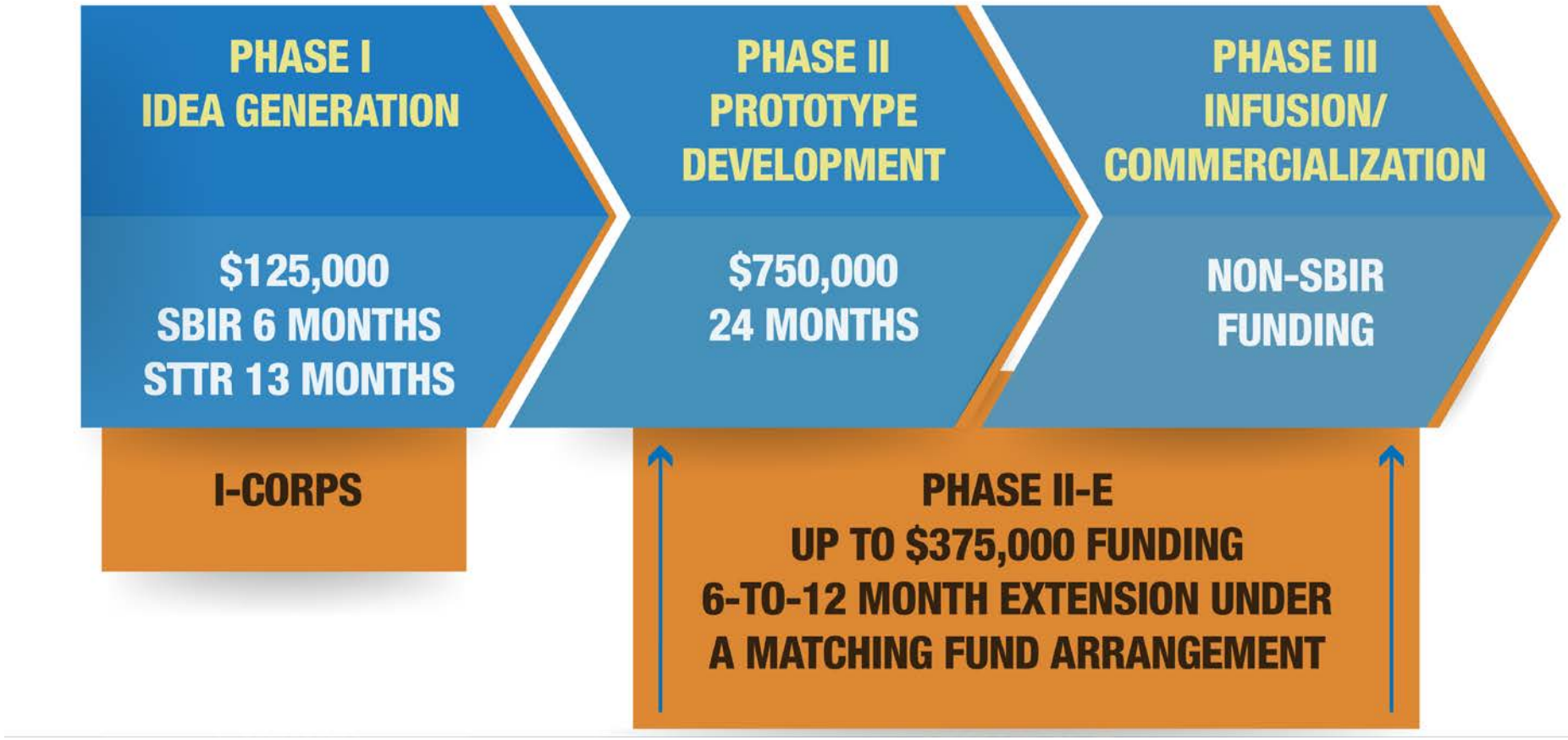
- Programs provide an opportunity for small, high technology companies and research institutions to participate in government-sponsored research and development.
  - Advance proposed innovations and transition resulting technologies, products and services into NASA mission programs and other markets.
  - Gain additional credibility after winning an SBIR/STTR contract in the search for capital, equipment, or services.
  - Obtain exposure, experience, and contacts within NASA that may lead to other contracts or subcontracts.
  - Annually, NASA issues a solicitation highlighting its key technology needs and missions.

NASA's SBIR and STTR programs have awarded **more than $3.75 billion** to research-intensive American small businesses.

Engineers and scientists from more than 3,100 Firms in all 50 States, DC, and Puerto Rico have participated across the two programs.

Approximately 15,000 total awards have been made to-date.

NASA SBIR/STTR Process



Go to sbir.nasa.gov/guide for details

SBIR/STTR Focus Areas

NASA's research subtopics are organized by Focus Areas that group interests and related technologies.

- **Identify** the area(s) closest to your innovation/idea
- **Go** to our website to research
- **Prepare to write** a proposal tailored to NASA's needs

https://sbir.nasa.gov/solicitations

2019 Focus Areas (FA)	
FA 1: In-Space Propulsion Technologies	**FA 13:** Information Technologies for Science Data
FA 2: Power Energy and Storage	**FA 14:** In-Space and Advanced Manufacturing
FA 3: Autonomous Systems for Space Exploration	**FA 15:** Materials, Materials Research, Structures, and Assembly
FA 4: Robotic Systems for Space Exploration	**FA 16:** Ground and Launch Processing
FA 5: Communications and Navigation	**FA 17:** Thermal Management Systems
FA 6: Life Support and Habitation Systems	**FA 18:** Air Vehicle Technology
FA 7: Human Research and Health Maintenance	**FA 19:** Integrated Flight Systems
FA 8: In-Situ Resource Utilization	**FA 20:** Airspace Operations and Safety
FA 9: Sensors, Detectors and Instruments	**FA 21:** Small Spacecraft Technologies
FA 10: Advanced Telescope Technologies	**FA 22:** Low Earth Orbit Platform Utilization and Microgravity Research
FA 11: Spacecraft and Platform Subsystems	**FA 23:** Digital Transformation for Aerospace
FA 12: Entry, Descent and Landing Systems	

SBIR/STTR Contact Information

Website

www.sbir.nasa.gov

Langley Research Center

SBIR/STTR Contact

Kim Cannon

757.864.3814

kimberly.a.cannon@nasa.gov

Technology Transfer

Technology Transfer promotes the licensing of NASA-developed technologies and software to businesses.

NASA Langley's technology portfolio includes:

- Non-Destructive Evaluation
- Unmanned Aerial Vehicles
- Autonomous Systems
- Acoustics
- Composites and Coatings
- Sensors and Actuators
- Advanced Materials
- Space Structures.

Technology Licensing

- Types of Technology Licenses
  - Standard Commercial License
  - Startup License
  - Evaluation License
- Software Release Authority
  - Open source software
  - Software Usage Agreement
    - General Public – except designated countries
    - U.S. Only – maintain competitiveness
    - Government Purpose – contractual requirement

Technology Transfer Contact Information

Websites

www.technology.nasa.gov

www.software.nasa.gov

NASA Langley Research Center

Technology Transfer

Carrie Rhoades

757.864.8793

carrie.m.rhoades@nasa.gov

Strategic Partnerships

Strategic Partnerships facilitate innovative collaborations linking NASA researchers and external parties for mutual benefit. We listen to partner needs, convey NASA capabilities that match those needs, and ultimately connect the partner to the right technical resources for a more in-depth dialogue.

NASA Langley's unique research capabilities of critical importance to the region and the nation are in these areas:

- On-Demand Mobility Technologies
- Commercial Air Transport Technologies
- Earth's Atmospheric Composition
- Lidar Remote Sensing Techniques
- Entry, Descent & Landing Systems
- Advanced Materials & Space Structures
- Autonomous In-Space Assembly & Manufacturing

Space Act Agreements (SAAs)

The National Aeronautics and Space Act (the Space Act) provides NASA with the unique authority to enter into a wide range of “other transactions,” commonly referred to as Space Act Agreements (SAAs).

- Reimbursable Agreements – You pay us
- Non-reimbursable Agreements – No money exchanged
- International Agreements – We work with foreign entities

https://saa.larc.nasa.gov/

Strategic Partnerships Contact Information

Website

www.nasa.gov/langley/partnerships

NASA Langley Research Center
Partnerships Lead
Marisol Garcia
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marisol.e.garcia@nasa.gov

Website

https://saa.larc.nasa.gov/

NASA Langley Research Center
Center Agreements Manager
Sherri Yokum
757.864.3739
Sherri.l.yokum@nasa.gov

Traditional Partnering Opportunities

Acquisition Forecasts

- Used to acquire goods, services, or both
- Competition is required in most cases
- Federal Acquisitions Regulations (FAR) apply
- Office of Small Business Procurement

NASA Langley Procurement Site
https://procurement.larc.nasa.gov/

Teaming With Us

- Broad Agency Announcements (BAAs)
- Announcements of Opportunities (AOs)
- NASA Research Announcements (NRAs)
- Research Opportunities in Earth and Space Science (ROSES)

NASA Solicitations - NSPIRES
https://nspires.nasaprs.com/

Partnering Legal Instruments

- Procurement Contract
- Cooperative Agreement
- Grant
- Economy Act Agreement
- Space Act Agreement (may be called MOU, MOA)
- Commercial Space Launch Act Agreement
- Commercial Space Competitiveness Act Agreement
- Cooperative Research and Development Agreement (CRADA)
- Personal Property Loan
- Use Permit
- Real Property Lease
- Enhanced Use Lease
- Licenses for Intellectual Property
- Employee Training And Development Agreements
- International Agreement

General partnering with NASA Langley Inquiries

Website

www.nasa.gov/langley/business

NASA Langley Research Center
Office of Strategic Analysis, Communications and Business
Phone: (757) 864-3000
Email: larc-partnerships@mail.nasa.gov

QUESTIONS?


inmarsat aviation
Hpas Technology LLC
Smart BioHealth LLC
Composite Supplies, LLC
DRONICAR, INC
UCAR
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH
Sparkleworks LLC
GAMMAG, Inc.
DUROMAR
KIC
THE UNIVERSITY of TENNESSEE RESEARCH FOUNDATION
RMS
microStamps by 1900 Engineering
DUST FREE
Breathe The Difference.
Genetoo
Advanced Aircraft Company
TE connectivity
GAIA ELEMENTS
INFRASONIX
Your Medical Future Now
Submission Ready
swerea SICOMP
Tulane University
UMASS AMHERST
Future TechNow LLC
HAMPTON UNIVERSITY
Parker
GLSEQ, LLC
Olafur Palsson And Marsha Turner
University of Pittsburgh
CnC D-Tec
innoscience research
magic leap studios
EVMS
Eastern Virginia Medical School
SUN CITY SmartTech
LUNA TECHNOLOGIES
Pioneer Aircraft LLC
Clark-Reliance
UF UNIVERSITY of FLORIDA
SpaceBooster
LUNA ENERGY
Burlington Medical
UNITIKA We Realize It!
Halo Technologies Education at its best
Iowa State University Research Foundation, Inc.
APPLIED COMPOSITES GROUP
UC San Diego
Systems Technology Solutions LLC
PRIME Manufacturing Technologies, Inc.
light touch, LLC
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UBE America Inc.
PROFESSIONAL TECHNICAL SERVICES
NATIONAL INSTITUTE OF AEROSPACE
TEXTILE INSTRUMENTS LLC
Smart • Vital • Fabrics
Jefferson Lab
PolyuMAC
AUBURN UNIVERSITY
COLLIER RESEARCH CORPORATION
Dig.y.S L™
EDRONES
SmartBrain Technologies
Modern Machine & Tool Company, Incorporated
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• Toll Free (800) 482-1835 • Phone (757) 873-1212 • Fax (757) 873-8239 •
PHYSICAL ACOUSTICS CORPORATION
A MISTRAS Holdings Company