Office of Small Business Programs (OSBP)
where small business makes a big difference

NASA Small Business Opportunities
High-Tech Small Business Industry Day
March 3, 2014
Office of Small Business Programs (OSBP)
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AFRC Business Opportunities
High-Tech Small Business Industry Day

March 3, 2014

Robert Medina
Business Opportunities

• NASA Acquisition Forecast (http://prod.nais.nasa.gov/cgi-bin/nais/forecast.cgi)

• NASA Synopsis Search (http://prod.nais.nasa.gov/cgi-bin/eps/syn_search.cgi)

• List of NASA On-Site Contractors

• Federal Procurement Data System (https://www.fpds.gov/)

• NASA‘s Budget (http://www.nasa.gov/news/budget/index.html)
## NASA Armstrong FY 2014 Business Opportunities

<table>
<thead>
<tr>
<th>TITLE</th>
<th>ANTICIPATED COMPETITION</th>
<th>EST. $</th>
<th>RFP RELEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Aircraft Fire Protection System</td>
<td>Set-Aside</td>
<td>$5-25M</td>
<td>3rd Qtr.</td>
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<tr>
<td>Repair Research Aircraft Integration Facility Mechanical Systems</td>
<td>Set-Aside</td>
<td>$5-25M</td>
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<tr>
<td>Revitalize Radar &amp; Telemetry Tracking Infrastructure</td>
<td>Set-Aside</td>
<td>$1-5M</td>
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<tr>
<td>Demolish Shuttle Mate-Demate Facility</td>
<td>Small Business</td>
<td>$150K-1M</td>
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Bid Response Due: March 12, 2014

[https://prod.nais.nasa.gov/cgibin/eps/synopsis.cgi?acqid=157694](https://prod.nais.nasa.gov/cgibin/eps/synopsis.cgi?acqid=157694)
<table>
<thead>
<tr>
<th>TITLE</th>
<th>ANTIMICATED COMPETITION</th>
<th>EST. $</th>
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<th>RELEASE</th>
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<tr>
<td>Logistics Management Support</td>
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<td>SOFIA Sustaining Engineering Support, Ph. E</td>
<td>None</td>
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<tr>
<td>SOFIA On-Board Internet System</td>
<td>TBD</td>
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<tr>
<td>Condition Based Monitoring TBD Technologies Program</td>
<td>TBD</td>
<td>$150K-1M</td>
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### NASA Armstrong FY 2014 Business Opportunities (Cont.)

<table>
<thead>
<tr>
<th>TITLE</th>
<th>ANTICIPATED COMPETITION</th>
<th>EST. $</th>
<th>RFP RANGE</th>
<th>RELEASE</th>
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<tbody>
<tr>
<td>UAV HIL Simulation Development Program</td>
<td>TBD</td>
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<tr>
<td>Realtime Simulation Computer Upgrade</td>
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<td>3&lt;sup&gt;rd&lt;/sup&gt; Qtr.</td>
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<tr>
<td>DC-8 Ground Simulator Internet System</td>
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<td>3&lt;sup&gt;rd&lt;/sup&gt; Qtr.</td>
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<tr>
<td>DICES III Communication System Ph. III</td>
<td>TBD</td>
<td>$150K-1M</td>
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<tr>
<td>TITLE</td>
<td>ANTICIPATED COMPETITION</td>
<td>EST. $ RANGE</td>
<td>RFP RELEASE</td>
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<tr>
<td>-------------------------------------------</td>
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<tr>
<td>Data Storage Infrastructure Enhancement</td>
<td>TBD</td>
<td>$150K-1M</td>
<td>3rd Qtr.</td>
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<tr>
<td>300-2400 MHz RF Switch For C-Band Telemetry</td>
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<td>GRC-171 Radio Replacement</td>
<td>TBD</td>
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<tr>
<td>Global Hawk INMARSAT System Replacement</td>
<td>NONE</td>
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</tbody>
</table>
Robert Medina
Small Business Specialist
NASA Armstrong Flight Research Center
P. O. Box 273, M/S: D-1422
Edwards, CA 93523-0273
Ph. 661-276-3343
FAX 661-276-2904
E-Mail: Robert.Medina-1@nasa.gov
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Christine Munroe
ARC Business Opportunities
High-Tech Small Business Industry Day

March 3, 2014
Entry Systems Technology Research and Development (ESTRAD)
Facilities Maintenance Support Services
Construction of a New Building at ARC
Aircraft Related Services
ESTRAD

- NAICS Code: 541712
- Estimated Dollar Value of Contract is >$10M
- Set-aside: Small Business
- RFP Release: Est. 2nd quarter 2014
- Solicitation Number: NNA14503443R
- Potential Contract Type: Cost Plus Fixed Fee
Technical Areas

A) Chemistry and Physics of Hypersonic, Chemically Reacting, and Radiating flows
B) Aerothermodynamic analysis of entry systems
C) Development, modification, and application of Computational Fluid Dynamics tools
D) Aeronautics and Space Vehicle Trajectory Analysis
E) Materials Science and Engineering of Ablative, Reusable and Multi-Functional Thermal Protection Materials
F) Experiment Planning, Execution, and Analysis for High-Enthalpy Testing of Materials and Real-gas Phenomena
G) Quantum Computing and Pre-Biotic Geochemistry mechanisms
H) Educational Outreach
I) Internship employment opportunities to support ESTRAD requirements for NASA programs and to provide students with exposure to public service, enhancement of their educational experience, and financial support to encourage their educational goals
The purpose of this contract is to provide support to the Entry Systems and Technology Division at NASA Ames Research Center to carry out their varied research programs.

The major objective is the development of technologies for use in the design and fabrication of prototype vehicles that travel at hypervelocities in the atmosphere of Earth and other bodies in the solar system. Other projects include NASA missions in nanotechnology, advanced materials, sensors and devices. The work will be performed primarily at Ames Research Center (ARC), Moffett Field, California.
ARC Facilities Maintenance Support Services

- NAICS Code: 561210
- Estimated Dollar Value of Contract is Between $50-$100M
- Set-aside: TBD
- Draft RFP Release: Est. 3rd or 4th quarter 2014
- Solicitation Number: TBD
- RFI #NNA14497087 Posted 1/13/2014 and Closed 2/7/2014
- Potential Contract Type: Potential FFP and an IDIQ portion that will have FFP task/delivery orders. We may also have a small CPFF component for certain types of work as well
Brief Description of Requirement

• The ARC Facilities Maintenance Support Services contract will provide the planning and implementation of a comprehensive maintenance program for ARC covering the following technical areas:
  – Electrical; mechanical; infrastructure; grounds maintenance, etc.

• The central focus of maintenance program will be the implementation of reliability centered maintenance strategies to determine the optimum mix of preventative, predictive, reactive and proactive maintenance practices in an effort to reduce operations and maintenance costs.

• All facilities except for non-infrastructure related systems inside wind tunnels.
Construction of a New Building N288-Biosciences Lab at Ames Research Center

- NAICS Code 236220 $33.5M
- Estimated Dollar Value of Contract is >$100M
- Set-aside: TBD
- RFI Release: Est. 3rd or 4th quarter 2014
- Solicitation Number: TBD
- Potential Contract Type: Fixed Price Contract
Technical Areas

• Design-Build Construction

• Building will achieve at least Compliance Level of LEED Silver
Brief Description of Requirement

• 50,000 square feet Laboratory Building
  – 30,000 square feet of laboratory space
  – 20,000 square feet of office/conference room/support space

• Open Lab Design – 4 Laboratory Wings on 2 Stories
Aircraft Related Services

- NAICS Code: 488190
- Dollar Value of contract: <$50
- Set-aside: TBD
- Sources Sought Synopsis: March/April 2014
- RFP Release: TBD
- Solicitation Number: TBD
Technical Areas

- Maintain aircraft to technical standards.
- Perform modifications per project requirements.
- Hazardous waste coordination.
- Aircrew support and training directives.
- Parts and material inventory.
- Ground support equipment maintenance.
Brief Description of Requirement

- Aircraft Related Services
- Organizations Supported
  - Army Aeroflightdynamics Directorate (AFDD) a division of the Research
  - Development and Engineering Command (RDECOM)/NASA Rotorcraft Division/ Code YS
  - Ames Earth Science Division/Code SG
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Teresa Monaco
GRC Business Opportunities
High-Tech Small Business Industry Day
March 3, 2014
Technical Information Administrative Logistic Services (TIALS-2)

- 561210, Facilities Support Services, $35.5M
- >$100M
- Set-aside: TBD
- RFP Release: Est. 3rd quarter 2014
- Solicitation Number: NNC14ZCH011L
Technical Areas

• Logistics Services
• Stock Purchases
• Media Services
• Records Management and History Offices
• Library and Learning Center
• Administrative and Clerical Services
• Metrology
Construction Support Services

- 238990, All Other Specialty Trade Contractors, $14M
- $50-$100M
- Set-aside: TBD
- RFP Release: Est. 4th quarter 2014
- Solicitation Number: TBD
The work is for implementation of new construction, rehabilitation, and modification of facilities at GRC, Lewis Field and Plum Brook Station.
Test, Facilities, Operations Maintenance and Engineering (TFOME-2)

- 541712, Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology), 1000 employees
- >$100M
- Set-aside: 8(a)
- RFP Release: Est. 3rd quarter 2014
- Solicitation Number: TFOME
Technical Areas

Test engineering, operations and maintenance requirements: facility operations, research hardware test operations, test engineering, facility maintenance, facility engineering, process and systems automation engineering, model and facility preparations, model installation, model and facility instrumentation and model removal. Manufacturing and fabrication of unique aeronautics and space related flight and ground support hardware will also be required.
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LARC Business Opportunities
High-Tech Small Business Industry Day

March 3, 2014

Randy Manning
### Langley Research Center
**Data From Center Service and R&D Task Contracts List**  
**Updated 2/13/14**

<table>
<thead>
<tr>
<th>Contract No.</th>
<th>Contractor Name &amp; Address</th>
<th>Type of Service</th>
<th>Contract Specialist</th>
<th>Annual $ Value</th>
<th>COR Mail Stop &amp; Telephone</th>
<th>Effective Date</th>
<th>Total Potential POP</th>
<th>Type</th>
</tr>
</thead>
</table>
| NNL10AA01 B   | Science and Technology Corporation (SB)  
15 Research Drive  
Hampton, VA 23666  
929/Jeff Manning  

Provides technical support to fabricate research-oriented electronics and metals hardware to include but not limited to circuit assemblies, aircraft flight test hardware, aircraft instrumentation pallet-rack fabrication, and simulator development and modifications for ground support, aircraft, space-flight, laboratory, and research facility instrumentation requirements.
<table>
<thead>
<tr>
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<th>Type of Service</th>
<th>Contract Specialist</th>
<th>Annual $ Value</th>
<th>COR Mail Stop &amp; Telephone</th>
<th>Effective Date</th>
<th>Total Potential POP</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>NNL10AA04B</td>
<td>ATK Space Systems Attn: Diane Burdine-Dening 5050 Powder Mill Road Beltsville, MD 20705-1913</td>
<td>Analytical Services and Materials, Aerodynamics, Aerothermodynamics and Acoustics Research and Technology (SMAAART)</td>
<td></td>
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<tr>
<td>NNL10AA05B</td>
<td>The Boeing Company Attn: Kurt Braaten 5301 Bolsa Ave Huntington Beach, CA 92647=2048</td>
<td>Analytical Services and Materials, Aerodynamics, Aerothermodynamics and Acoustics Research and Technology (SMAAART)</td>
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<tr>
<td>NNL10AA06B</td>
<td>Lockheed Martin Corporation Lockheed Martin Aeronautics Company – Palmdale Attn: Peter Miskech 1011 Lockheed Way Palmdale, CA 93599-0001</td>
<td>Analytical Services and Materials, Aerodynamics, Aerothermodynamics and Acoustics Research and Technology (SMAAART)</td>
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<td></td>
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</table>

Research and development in materials and structures technology related to aerospace vehicles, with emphasis in the research areas of structural mechanics and concepts, durability, damage tolerance, and reliability, structural dynamics, aeroelasticity, advanced materials and processing, and nondestructive evaluation sciences. Research and development in aerodynamics, aerothermodynamics, and acoustics technology related to aerospace vehicles, with emphasis in research areas of configuration aerodynamics, computational modeling and simulation, flow physics and control, aircraft and spacecraft noise and vibration prediction and control, aerothermodynamics, hypersonic airbreathing propulsion, advanced measurement, diagnostics, and instrument systems, and model systems. This contract may be used to support all NASA Centers.
<table>
<thead>
<tr>
<th>Contract No.</th>
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<th>Type of Service</th>
<th>Contract Specialist</th>
<th>Annual $ Value</th>
<th>COR Mail Stop &amp; Telephone</th>
<th>Effective Date</th>
<th>Total Potential POP</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>NNL09AA23Z</td>
<td>Research Triangle Institute 3040 Cornwallis Road Research Triangle Park, NC 27709-2194</td>
<td>Business Development Support</td>
<td>Bill Cann 757-864-2254 M/S 12</td>
<td>$7.0M</td>
<td>Susan Cooper 757-864-2989 MS 218</td>
<td>7/16/09</td>
<td>7/15/14</td>
<td>BPA</td>
</tr>
</tbody>
</table>

Supports LaRC’s Strategic Relationships Office (SRO) with business development, technology marketing and partnership development, visibility and outreach.

<table>
<thead>
<tr>
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<th>Contract Specialist</th>
<th>Annual $ Value</th>
<th>COR Mail Stop &amp; Telephone</th>
<th>Effective Date</th>
<th>Total Potential POP</th>
<th>Type</th>
</tr>
</thead>
</table>

Provide Simulation and Flight Information Technology services for the Flight Simulation and Software Branch, Flight Research Services Directorate.
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SSC Business Opportunities
High-Tech Small Business Industry Day

March 3, 2014

Robert Watts
## SSC Business Opportunities

<table>
<thead>
<tr>
<th>QUARTER</th>
<th>GOVERNMENT FISCAL YEAR</th>
<th>SOCIO ECONOMIC PREFERENCE</th>
<th>COMPETITION</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>3</td>
<td>13</td>
<td>NONE</td>
<td>SB SET ASIDE</td>
<td>SSC Security System and Maintenance</td>
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<tr>
<td>3</td>
<td>13</td>
<td>NONE</td>
<td>NONE</td>
<td>Follow-On to KSC Cryo Lab Integrated System Health Management ISHM Testbed</td>
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<tr>
<td>3</td>
<td>13</td>
<td>NONE</td>
<td>NONE</td>
<td>Gas Ball Valves for B2 Test Stand Restoration</td>
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<tr>
<td>3</td>
<td>13</td>
<td>TBD</td>
<td>YES</td>
<td>High Pressure Industrial Water 30-Inch Gate and 30-Inch Check Valves, Bldg 4400</td>
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<tr>
<td>3</td>
<td>13</td>
<td>SB SET ASIDE</td>
<td>YES</td>
<td>E-1 Low Speed Data Acquisition System (LSDAS) Replacement</td>
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<td>8(a) SET ASIDE</td>
<td>Administrative Clerical Support Services</td>
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<td>High Pressure Industrial Water 30-Inch Gate and 30-Inch Check Valves, Bldg 4400</td>
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<td>4</td>
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<td>NO</td>
<td>Mississippi Research Consortium</td>
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<td>Data System Monitoring, Measurement and Control System (MMCS)</td>
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<tr>
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<td>YES</td>
<td>Satellite Antenna Infrastructure at Bldg. 9357</td>
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<td>1</td>
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<td>YES</td>
<td>Financial and Business Management Support</td>
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<tr>
<td>2</td>
<td>14</td>
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<td>Miscellaneous Valves and Components</td>
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<td>TBD</td>
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<td>B2 Electrical Special Test Equipment</td>
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<td>TBD</td>
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<td>B2 Mechanical Special Test Equipment</td>
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<tr>
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<td>Data Systems Hardware (Pacific 6000) for E2/E3 Test Complex</td>
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<td>Programmable Logic Controls (PLC) (Allen/Bradley) for E2/E3 Test Complex</td>
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<td>Nordberg Speed Controls</td>
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<td>Synergy Achieving Consolidated Operations and Maintenance (SACOM)</td>
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<td>Information Technical Services</td>
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<td>Refurbish Hydrogen Generation System</td>
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<td>YES</td>
<td>Laboratory Support Services</td>
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