Proposals Selected for Negotiation of Contracts

Expand All

- **Alabama (5)**
  - **AI Signal Research, Inc.**
    - , AL 00000
    - Donald Smith (214) 748-3647
    - 04-2-X6.01-9825 MSFC
    - [Novel Non-Intrusive Vibration Monitoring System for Turbopumps](#) [1]
  - **CFD Research Corporation**
    - 215 Wynn Drive, 5th Floor
    - Huntsville, AL 35805
    - Ashok Singhal (214) 748-3647
    - 04-2-X6.05-7729 MSFC
    - [High Energy, Low Temperature Gelled Bi-Propellant Formulation for Long-Duration In-Space Propulsion](#) [2]
  - **CFD Research Corporation**
    - 215 Wynn Drive, 5th Floor
    - Huntsville, AL 35805
    - Ashok Singhal (214) 748-3647
    - 04-2-S1.02-9168 MSFC
    - [Aeroelastic Simulation Tool for Inflatable Ballute Aerocapture](#) [3]
  - **Research South, Inc.**
    - , AL 00000
    - Lawrence Spradley (214) 748-3647
    - 04-2-A2.08-9752 AFRC
    - [Unstructured Mesh Movement and Viscous Mesh Generation for CFD-Based Design Optimization](#) [4]
United Applied Technologies, Inc.
, AL 00000
Larry Bradford (214) 748-3647
04-2-X2.03-7987 MSFC
Thin Film Flat Panel Off-Axis Solar Concentrator with Flux Distribution [5]

• Arizona (3)
  MER Corporation
, AZ 00000
James Withers (214) 748-3647
04-2-X3.01-7964 JSC
DWNT/Hydrogenated Fullerene Reinforced Polyethylene for Radiation Shielding Applications [6]

  NP Photonics, Inc.
9030 S. Rita Road
Tucson, AZ 85747
James Fountain (214) 748-3647
04-2-E1.02-8978 LaRC
Compact 2 Micron Seed Laser [7]

  Zona Technology, Inc.
9489 E. Ironwood Square Drive
Scottsdale, AZ 85258
Darius Sarhaddi (214) 748-3647
04-2-A2.08-8819 AFRC
Model Updating Nonlinear System Identification Toolbox [8]

• Arkansas (3)
  Arkansas Power Electronics International, Inc.
, AR 00000
Sharmila Mounce (214) 748-3647
04-2-E2.07-8058 JPL

Ultra-Lightweight, High Efficiency Silicon-Carbide (SIC) Based Power Electronic Converters [9]

Arkansas Power Electronics International, Inc.
, AR 00000
Sharmila Mounce (214) 748-3647

04-2-X2.05-8011 GRC

Silicon-Carbide (SIC) Multichip Power Modules (MCPMS) For Power Building Block Applications [10]

Power Electronics Leveling Solutions LLC
, AR 00000
Juan Balda (214) 748-3647

04-2-E1.07-8911 GSFC


- California (23)

Acellent Technologies, Inc.
835 Stewart Drive
Sunnyvale, CA 94085
Amrita Kumar (214) 748-3647

04-2-X6.01-9889 MSFC

SMART Tape For Structural Health Monitoring of Rocket Engines [12]

Biospherical Instruments, Inc.
, CA 00000
John Morrow (214) 748-3647

04-2-E1.03-7672 GSFC

In Situ Microradiometers: Smaller, Faster, and Scalable to Hyperspectral [13]

Broadata Communications, Inc.
2545 W. 237th Street, Suite K
Torrance, CA 90505
Cristina Spence (214) 748-3647
04-2-E2.02-8010 GSFC

Universal Space IP Transparent Proxy [14]

DigitalSpace Corporation

, CA 00000
Bruce Damer (214) 748-3647

04-2-X5.02-9853 ARC


Fetch Technologies

, CA 00000
Scott Battenburg (214) 748-3647

04-2-E3.01-8639 ARC

A Constraint-Based Geospatial Data Integration System for Wildfire Management [16]

IA Tech, Inc.

, CA 00000
Ann Tai (214) 748-3647

04-2-X5.01-8382 JPL

Flexible and Safe Control of Mobile Surface Systems [17]

Intelligent Fiber Optic Systems Corporation

, CA 00000
Behzad Moslehi (214) 748-3647

04-2-X4.01-9020 JSC

Smart Skins and Tactile-Feedback Motion Control for Robotic Manipulators [18]

inXitu

, CA 00000
Philippe Sarrazin (214) 748-3647

04-2-S4.01-9068 ARC

Powder Handling Device for X-ray Diffraction Analysis with Minimal Sample Preparation [19]

Makel Engineering, Inc.

1585 Marauder Street
Chico, CA 95973

Darby Makel (214) 748-3647

04-2-X1.01-8632 MSFC

In Situ Manufacturing of Plastics and Composites to Support H&R Exploration [20]

Makel Engineering, Inc.
1585 Marauder Street

Chico, CA 95973

Darby Makel (214) 748-3647

04-2-X1.03-8561 JSC


nanoComposix, Inc.

, CA 00000

Steven Oldenburg (214) 748-3647

04-2-E1.07-9391 MSFC

Advanced Heat Transfer Fluids [22]

Nanotrope, Inc.

, CA 00000

Donald Ackley (214) 748-3647

04-2-B2.03-9148 JSC

A Nanodroplet Processor for Advanced Microencapsulated Drug Formulations [23]

Novawave Technologies

900 Island Drive, Suite 101

Redwood City, CA 94065

James Scherer (214) 748-3647

04-2-B2.01-8002 ARC

Compact, High Accuracy CO2 Monitor [24]

Orbits Lightwave, Inc.

, CA 00000

Yaakov Shevy (214) 748-3647
04-2-S2.06-9070 JPL

Ultra Low Noise 1.06 Micron Laser Oscillator [25]

Physical Optics Corporation
20600 Gramercy Place, Bldg. 100
Torrance, CA 90501
Gordon Drew (214) 748-3647

04-2-A1.01-9516 LaRC

Three-Dimensional Cockpit Display System for Improved Situational Awareness [26]

Physical Optics Corporation
20600 Gramercy Place, Bldg. 100
Torrance, CA 90501
Gordon Drew (214) 748-3647

04-2-E3.04-8588 GSFC

3D Multi-Channel Networked Visualization System for National LambdaRail [27]

RAPT Industries, Inc.
46535 Fremont Blvd.
Fremont, CA 94538
Pradeep Subramanyan (214) 748-3647

04-2-S2.04-9566 MSFC

Rapid Damage-Free Shaping of Lightweight SiC Using Reactive Atom Plasma (RAP) Processing [28]

Rolling Hills Research Corporation
420 N. Nash Street
El Segundo, CA 90245
Brian Kramer (214) 748-3647

04-2-A2.07-8111 AFRC

Revolutionary Performance For Ultra Low Reynolds Number Vehicles [29]

SciberQuest, Inc.
2130 Via Mar Valle
Del Mar, CA 92014
Homa Karimabadi (214) 748-3647
04-2-S1.05-9852 GSFC
Computing Infrastructure and Remote, Parallel Data Mining Engine for Virtual Observatories [30]

Space Micro, Inc.
10401 Roselle Street, Ste 400
San Diego, CA 92121
David Strobel (214) 748-3647
04-2-X7.01-9687 GSFC
Fault Tolerant, Radiation Hard DSP [31]

Stottler Henke Associates, Inc.
951 Mariner's Island Blvd., Suite 360
San Mateo, CA 94404
Carolyn Maxwell (214) 748-3647
04-2-X7.03-9393 JSC
Adaptive Distributed Environment for Procedure Training [32]

Ultramet
12173 Montague Street
Pacoima, CA 91331
Craig Ward (214) 748-3647
04-2-X2.06-7753 JSC
Lightweight Ultrahigh Temperature CMC-Encased C/C Structure for Reentry and Hypersonic Applications, Phase II [33]

Utopiacompression, Corporation
, CA 00000
Jacob Yadegar (214) 748-3647
04-2-B5.02-8260 MSFC
Intelligence-Based Multi-Resolution 3D Visual Modeling, Registration And Obstacle Avoidance Capabilities For Unmanned Vehicles [34]

- Colorado (9)
Extreme Diagnostics, Inc.
2525 Arapahoe Avenue / Bldg. E4 #262
Boulder, CO 80302
Robert Owen (214) 748-3647
04-2-X4.03-9959 LaRC

On-Orbit Health Monitoring and Repair Assessment of Thermal Protection Systems [35]

ITN Energy Systems, Inc.
, CO 00000
Janet Casteel (214) 748-3647
04-2-E2.06-8384 GRC

CuInGaAlSe2 Solar Absorbers On Flexible High-Temperature Substrates [36]

Mesoscopic Devices LLC
, CO 00000
Christine Martin (214) 748-3647
04-2-E1.07-8287 JPL

Advanced Pumps and Cold Plates for Two-Phase Cooling Loops [37]

Pioneer Astronautics
11111 W. 8th Avenue, Unit A
Lakewood, CO 80215
Robert Zubrin (214) 748-3647
04-2-X1.03-9548 KSC

Mars Integrated Propellant Production System [38]

Radiometrics Corporation
, CO 00000
fredrick solheim (214) 748-3647
04-2-A1.02-8077 GRC

Advanced Radiometer For Cloud Liquid Water and Aircraft Icing Detection [39]

Starsys Research Corporation
, CO 00000
Glenda Erskin (214) 748-3647
04-2-X5.01-8176 JPL

Lightweight Gearbox Technology [40]

TDA Research, Inc.
12345 W. 52nd Avenue
Wheat Ridge, CO 80033
John Wright (214) 748-3647
04-2-X3.01-8100 JSC

An Advanced Rapid Cycling CO2 and H2O Control System for PLSS [41]

TDA Research, Inc.
12345 W. 52nd Avenue
Wheat Ridge, CO 80033
John Wright (214) 748-3647
04-2-B3.06-8032 ARC

Control of Solid Waste Using Low Temperature Oxidation [42]

Tech-X Corporation
5621 Arapahoe Avenue, Suite A
Boulder, CO 80303
John Cary (214) 748-3647
04-2-S1.05-9216 GSFC

High-Performance Data Analysis Tools for Sun-Earth Connection Missions [43]

• Connecticut (2)

Advanced Fuel Research, Inc.
87 Church Street
East Hartford, CT 06108
Michael Serio (214) 748-3647
04-2-B3.09-8760 LaRC

Modeling, Testing and Deploying a Multifunctional Radiation Shielding / Hydrogen Storage Unit [44]
Infinity Fuel Cell and Hydrogen, LLC  
, CT 00000  
William Smith (214) 748-3647  
04-2-X6.04-9644 GRC  
Advanced Product Water Removal and Management (APWR) Fuel Cell System [45]

Florida (3)

Advanced Technologies Group, Inc.  
, FL 00000  
John Justak (214) 748-3647  
04-2-X6.05-8235 MSFC  
A Cryogenic Flow Sensor [46]

American Remote Vision Company  
, FL 00000  
Stuart Gleman (214) 748-3647  
04-2-X4.04-8132 KSC  
Non-Pyrotechnic Latch and Release System for Aerospace and Other Applications [47]

Mainstream Engineering Corporation  
200 Yellow Pl  
Rockledge, FL 32955  
Michael Rizzo (214) 748-3647  
04-2-X2.06-8261 JSC  
Non-Toxic, Low Freezing, Drop-in Replacement Heat Transfer Fluids [48]

Idaho (1)

American Semiconductor, Inc.  
, ID 00000  
Douglas Hackler (208) 336-2773  
04-2-S1.04-8064 GSFC
Low-Power, Rad-hard Reconfigurable, Bi-directional Flexfet [49]

- Illinois (2)
  - EPIR Technologies
    590 Territorial Dr.
    Bolingbrook, IL 60440
    Sivalingam Sivananthan (214) 748-3647
    04-2-S1.03-9701 LaRC
    Active Pixel HgCdTe Detectors With Built-in Dark Current Reduction for Near-Room Temperature Operation [50]

  - Hbar Technologies, LLC
    , IL 00000
    Steven Howe (214) 748-3647
    04-2-X6.07-9561 GRC
    Demonstration of Fission Product Retention in a Novel NTR Fuel [51]

- Indiana (1)
  - Kinetic Art and Technology Corporation
    , IN 00000
    Steve Brewer (214) 748-3647
    04-2-X6.04-8429 GRC
    Application of Advanced Electromagnetic Arrays to High Efficiency, High Bandwidth, Redundant Linear Actuators [52]

- Iowa (2)
  - Softronics Ltd.
    , IA 00000
    Robert Sternowski (214) 748-3647
    04-2-S4.02-9279 JPL
    High Temperature Telemetry Transmitter for Venus Exploration [53]
Triple F, Inc., IA 00000
Michael Dixon (214) 748-3647
04-2-B3.04-7609 JSC

Development of a Multipurpose Extruder/Press Food Processing System [54]

• Kansas (1)

KALSCOTT Enginering, Inc.
PO Box 3426
Lawrence, KS 66046
Tom Sherwood (214) 748-3647
04-2-A3.01-8856 AFRC

Network Centric Transponders for Airspace Integration of UAVs [55]

• Louisiana (1)

Diamond Data Systems
, LA 00000
Keith Alphonso (214) 748-3647
04-2-E3.03-8126 SSC

Algorithms and Software Architecture for the Production of Information Products From LIDAR [56]

• Maine (1)

Fiber Materials, Inc.
, ME 00000
David Audie (207) 282-5911
04-2-X2.06-9476 ARC

Advanced Thermal Protection Systems (ATPS), Aerospace Grade Carbon Bonded Carbon Fiber Material [57]

• Maryland (3)
Intelligent Automation, Inc.
15400 Calhoun Drive, Suite 400
Rockville, MD 20855
Mark James (214) 748-3647
04-2-E3.05-8825 ARC

Autonomous Collaborative Agents for Onboard Multi-Sensor Re-Targeting [58]

Mobitrum Corporation
8070 Georgia Avenue, Suite 207
Silver Spring, MD 20910
Ray Wang (214) 748-3647
04-2-E4.03-9992 SSC

Adaptive Wireless Transceiver [59]

Mobitrum Corporation
8070 Georgia Avenue, Suite 207
Silver Spring, MD 20910
Ray Wang (214) 748-3647
04-2-X6.09-9927 SSC

Distributed Wireless Sensor Data Acquisition and Control System [60]

Massachusetts (13)

AGILTRON Corporation
15 Cabot Road
Woburn, MA 01801
Lei Zhang (214) 748-3647
04-2-X2.07-8646 KSC

High Transparent Metal Oxide / Polyimide Antistatic Coatings [61]

Aspen Aerogels, Inc.
30 Forbes Road, Bldg. B
Northborough, MA 01532
Heather Crouse (214) 748-3647
04-2-X6.08-7817 KSC

Aerogel Insulation to Support Cryogenic Technologies [62]

Aspen Aerogels, Inc.
30 Forbes Road, Bldg. B
Northborough, MA 01532
Heather Crouse (214) 748-3647

04-2-X2.06-7680 MSFC

Si-O-C Aerogels for TPS of Reentry Vehicles [63]

Boston Micromachines Corporation
, MA 00000
Paul Bierden (214) 748-3647

04-2-S3.02-9660 JPL

High Resolution Silicon Deformable Mirrors [64]

Busek Co., Inc.
11 Tech Circle
Natick, MA 01760
Judy Budny (214) 748-3647

04-2-S3.01-7863 JPL

Radio Frequency Micro Ion Thruster for Precision Propulsion [65]

Busek Co., Inc.
11 Tech Circle
Natick, MA 01760
Judy Budny (214) 748-3647

04-2-S1.02-8854 GRC

Shared Magnetics Hall Thruster [66]

Busek Co., Inc.
11 Tech Circle
Natick, MA 01760
Judy Budny (214) 748-3647
04-2-S1.04-8862 GSFC

Micro Resistojet for Small Satellites [67]

Energid Technologies
124 Mount Auburn Street, Suite 200N
Cambridge, MA 02138
Neil Tardella (214) 748-3647
04-2-X5.01-8195 JPL

Rapid Robot Design Validation [68]

Hittite Microwave Corporation
20 Alpha Road
Chelmsford, MA 01824
Stephen Daly (214) 748-3647
04-2-E1.05-8490 JPL

L and P Band MMIC T/R Module [69]

Remote Sensing Solutions, Inc.
3179 Main Street, Unit 3, P.O. Box 1092
Barnstable, MA 02630
Jim Canniff (214) 748-3647
04-2-E1.05-8343 GSFC

A Novel Low-Cost Dual-Wavelength Precipitation Radar Sensor Network [70]

Scientific Systems Company, Inc.
500 West Cummings Park, Suite 3000
Woburn, MA 01801
Robert Simpson (214) 748-3647
04-2-X7.02-7723 ARC

Onboard Space Autonomy Through Integration of Health Management and Control Reconfiguration [71]

SI2 Technologies, Inc.
, MA 00000
Joseph Kunze (214) 748-3647
04-2-E1.05-9679 JPL

Flexible T/R Modules for Large-Aperture, Space-Based SAR [72]

Visidyne, Inc.
, MA 00000
John Bates (214) 748-3647

04-2-X6.03-8421 LaRC

Optical Landing Hazard Sensor [73]

• Michigan (3)

EMAG Technologies, Inc.
, MI 00000
Kazem Sabet (214) 748-3647

04-2-E1.04-7825 GSFC

An L-Band Radio Frequency Interference (RFI) Detection and Mitigation Testbed [74]

Evigia Systems, Inc.
, MI 00000
Navid Yazdi (214) 748-3647

04-2-B1.01-8892 GRC

CMOS-MEMS Microgravity Accelerometer with High-Precision DC Response [75]

Michigan Engineering Services, LLC
2890 Carpenter Road, Suite 1900
Ann Arbor, MI 48108
Christina Vlahopoulos (214) 748-3647

04-2-X8.02-9911 ARC

Multidisciplinary Design Under Uncertainty for Entry Vehicles [76]

• Mississippi (1)

Opti-MS Corporation
, MS 00000
• Montana (2)
  ADVR, Inc.
  2310 University Way, Building 1
  Bozeman, MT 59715
  Philip Battle (214) 748-3647
  04-2-E1.02-8411 GSFC
  Monolithic, High-Speed Fiber-Optic Switching Array for Lidar [78]

  Anasphere, Inc.
  6597 Maltse Lane, Unit D
  Bozeman, MT 59718
  John Bognar (214) 748-3647
  04-2-E1.03-7930 GSFC
  Low-Power, Lightweight Cloud Water Content Sensor [79]

• Nevada (2)
  ESI US R&D
  , NV 00000
  Jane Trenaman (214) 748-3647
  04-2-A2.04-8649 LaRC
  Hybrid Prediction Method for Aircraft Interior Noise [80]

  Sierra Engineering, Inc.
  , NV 00000
  Margo Hornung (214) 748-3647
  04-2-X6.01-8118 MSFC
  Triaxial Swirler Liquid Injector Development [81]
• **New Hampshire (1)**
  
  **Applied Geosolutions, LLC**
  , NH 00000

  William Salas (214) 748-3647

  04-2-E4.01-9418 SSC

  [Prototyping a Rangeland Decision Support System](#) [82]

• **New Jersey (4)**
  
  **Continuum Dynamics, Inc.**
  34 Lexington Avenue

  Ewing, NJ 08618

  Barbara Agans (214) 748-3647

  04-2-A2.03-9221 GRC

  [High Temperature Smart Structures for Engine Noise Reduction and Performance Enhancement](#) [83]

  **Continuum Dynamics, Inc.**
  34 Lexington Avenue

  Ewing, NJ 08618

  Barbara Agans (214) 748-3647

  04-2-A2.07-8829 AFRC

  [Distributed Flight Controls for UAVs](#) [84]

  **Lenterra, Inc.**
  , NJ 00000

  Valery Sheverev (214) 748-3647

  04-2-S4.01-9928 ARC

  [Fast GC for Space Applications Based on PIES Technology](#) [85]

  **Structured Materials Industries, Inc.**
  201 Circle Drive N., Suite 102-103

  Piscataway, NJ 08854
Gary Tompa (214) 748-3647
04-2-X2.03-7576 MSFC

Silicon Germanium Alloy Photovoltaics for 1.06 Micron Wireless Power Transmission [86]

- **New Mexico (3)**
  - Adherent Technologies, Inc.
    9621 Camino del Sol NE
    Albuquerque, NM 87111
    Susan Switzer (214) 748-3647
    04-2-A2.05-8813 GRC
    
    Surface Modification of Exfoliated Graphite Nano-Reinforcements [87]

  - TPL, Inc.
    , NM 00000
    James Lopez (214) 748-3647
    04-2-A2.06-8361 LaRC
    
    Power for Vehicle Embedded MEMS Sensors [88]

  - Vista Photonics, Inc.
    67 Condesa Road
    Santa Fe, NM 87508
    Jeffrey Pilgrim (214) 748-3647
    04-2-B1.01-9908 GRC
    
    High-Performance Contaminant Monitor for Spacecraft [89]

- **New York (5)**
  - Amplification Technologies, Inc.
    , NY 00000
    WAYNE SEEMUNGAL (214) 748-3647
    04-2-S5.03-7795 JPL
    
    Highly Sensitive Photon Counting Detectors for Deep Space Optical Communications [90]
Anvik Corporation
, NY 00000
Zachary Cosentino (214) 748-3647
04-2-S4.03-9587 JPL

Fabrication of Radar Array Antennas Using Large-Area, High-Resolution Lithography-on-Flex [91]

Cox and Company, Inc.
, NY 00000
Joseph DeClemente (212) 366-0202
04-2-A1.02-7647 GRC

An Alternative Ice Protection System for Turbine Engine Inlets [92]

Honeybee Robotics Ltd.
460 W 34th Street
New York, NY 10001
Chris Chapman (214) 748-3647
04-2-S4.02-8070 JPL

Extreme Temperature Motor and Drill System [93]

QED Technologies, Inc.
, NY 00000
Carolyn Russell (214) 748-3647
04-2-S2.04-8440 GSFC

Subaperture Stitching Interferometry for Large Convex Aspheric Surfaces [94]

Ohio (9)

Cornerstone Research Group, Inc.
2750 Indian Ripple Road
Dayton, OH 45440
Patrick Hood (214) 748-3647
04-2-E2.03-9154 GRC

Self-Deploying Gossamer Support Structure [95]
Cornerstone Research Group, Inc.
2750 Indian Ripple Road
Dayton, OH 45440
Patrick Hood (214) 748-3647
04-2-A2.06-9177 LaRC

Reflexive Aero Structures for Enhanced Survivability [96]

Essential Research, Inc.
, OH 00000
William King (214) 748-3647
04-2-E2.06-8773 GRC

High Efficiency Quantum Dot III-V Thermophotovoltaic Cell for Space Power [97]

Hyper Tech Research, Inc.
1275 Kinnear Road
Columbus, OH 43212
Michael Tomsic (214) 748-3647
04-2-S2.03-8975 GSFC

Magnesium Diboride Superconducting Coils for Adiabatic Demagnetization Refrigerators (ADR's) [98]

Lake Shore Cryotronics, Inc.
, OH 00000
Philip Swinehart (214) 748-3647
04-2-E1.01-8745 LaRC

Mesoporous Silicon Far Infrared Filters [99]

Modern Computational Technologies, Inc.
, OH 00000
Umesh Chandra (214) 748-3647
04-2-X1.01-8023 JSC

Finite Element Models for Electron Beam Freeform Fabrication Process [100]

N&R Engineering
, OH 00000
Vinod Nagpal (214) 748-3647
04-2-A2.05-9466 GRC

Physics-Based Probabilistic Design Tool with System-Level Reliability Constraint [101]

Sest, Inc.
, OH 00000
Ashwin Shah (214) 748-3647
04-2-E2.06-8702 GRC

Milliwatt Radioisotope Stirling Convertor [102]

ZIN Technologies, Inc.
6745 Engle Road
Middleburg Hts, OH 44130
Alan Chmiel (214) 748-3647
04-2-B3.05-8305 GRC

Compact Wireless BioMetric Monitoring and Real Time Processing System [103]

• Oregon (3)

Lynguent, Inc.
, OR 00000
Martin Vlach (214) 748-3647
04-2-S4.02-8406 JPL

Model-Based Design Tools for Extending COTS Components To Extreme Environments [104]

UMPQUA Research Company
PO Box 609
Myrtle Creek, OR 97457
John Aker (214) 748-3647
04-2-B3.01-8208 MSFC

Methane Pyrolysis for Hydrogen & Carbon Nanotube Recovery from Sabatier Products [105]

UMPQUA Research Company
PO Box 609
Myrtle Creek, OR 97457
John Aker (214) 748-3647
04-2-B3.06-9299 ARC

Catalytic Decomposition of Gaseous Byproducts from Heat Melt Waste Compaction [106]

- Pennsylvania (5)

Advanced Cooling Technologies, Inc.
1046 New Holland Avenue
Lancaster, PA 17601
Jon Zuo (214) 748-3647
04-2-B3.01-8041 JSC

Heat Pipe Heat Exchangers with Double Isolation Layers for Prevention of Interpath Leakage [107]

Combustion Research and Flow Technology
6210 Keller's Church Road
Pipersville, PA 18947
Paula Schachter (214) 748-3647
04-2-X6.09-9119 SSC

Simulations of Unsteady Effects and Dynamic Responses in Complex Valve Systems [108]

Electron Energy Corporation
, PA 00000
Peter Dent (214) 748-3647
04-2-A2.05-8222 GRC

Novel High Temperature Magnetic Bearings for Space Vehicle Systems [109]

Materials Resources International
811 West 5th Street, Unit 2
Lansdale, PA 19446
Ronald Smith (214) 748-3647
04-2-X4.04-9708 KSC

Nano-Phase Powder Based Exothermic Braze Repair Technology For RCC Materials [110]
TRS Ceramics, Inc.
2820 East College Avenue
State College, PA 16801
Wesley Hackenberger (214) 748-3647
04-2-E1.01-8221 LaRC

Advanced Electroactive Single Crystal and Polymer Actuators for Passive Optics [111]

- Tennessee (1)
  Brilliant Technology, Inc.
  , TN 00000
  Kevin Tseng (214) 748-3647
  04-2-A1.04-8553 ARC
  
  Data Analysis Algorithm Suitable for Structural Health Monitoring Based on Dust Network [112]

- Texas (9)
  Genexpress Informatics, Inc.
  , TX 00000
  Rick Virgne (214) 748-3647
  04-2-B3.03-9533 JSC
  
  Compact Transcranial Doppler (TCD) for Bioastronautics Research [113]

Invocon, Inc.
19221 I-45 South, Suite 530
Conroe, TX 77385
Mary Pate (214) 748-3647
04-2-X4.03-8276 LaRC

Distributed Impact Detection System [114]

Lynntech, Inc.
7610 Eastmark Drive
College Station, TX 77840
Cindy Barnett (214) 748-3647
04-2-B3.10-9123 JSC

**Novel Regenerative Carbon Analyzer for Water Quality Monitoring** [115]

**Lynntech, Inc.**
7610 Eastmark Drive
College Station, TX 77840
Cindy Barnett (214) 748-3647
04-2-S2.02-9108 JPL

**In-Situ Production of Hydrogen for Buoyancy on Titan** [116]

**Nanohmics, Inc.**
6201 East Oltorf Street, Suite 400
Austin, TX 78741
Keith Jamison (214) 748-3647
04-2-X6.03-7770 LaRC

**Novel Color Depth Mapping Imaging Sensor System** [117]

**Quantum Logic Devices**
, TX 00000
Louis Brousseau (214) 748-3647
04-2-B2.03-8663 JSC

**Single Electron Transistor Platform for Microgravity Proteomics** [118]

**StarVision Technologies, Inc.**
, TX 00000
Michael Jacox (214) 748-3647
04-2-X6.03-7903 JSC

**LandingNav: Terrain Guided Automated Precision Landing** [119]

**Tietronix Software, Inc.**
1331 Gemini, Suite 300
Houston, TX 77058
Michel Izygon (214) 748-3647
04-2-X7.02-8598 JSC

Procedure Verification and Validation Toolset [120]

ZYVEX Corporation
, TX 00000
Sha-Chelle Manning (214) 748-3647
04-2-B1.03-9315 MSFC

Advanced Structural Nanomaterials for Astronaut Radiation Protection [121]

• Utah (2)

HyPerComp Engineering, Inc.
, UT 00000
James Patterson (214) 748-3647
04-2-X2.04-7847 MSFC

To Ensure the Integrity of the Cryogenic Propellant Depot Tank Within the Expected Radiation and Space Debris Environment [122]

Wasatch Photonics, Inc.
, UT 00000
F. G. Lindsay Burton (214) 748-3647
04-2-E1.02-9711 GSFC

Holographic Wavefront Correction for ShADOE LIDAR Receivers [123]

• Virginia (11)

Aerotech Research
11836 Fishing Point Drive, Suite 200
Newport News, VA 23606
Steven Velotas (214) 748-3647
04-2-A1.01-9778 LaRC

An Integrated Turbulence Hazard Decision Aid for the Cockpit [124]

Aurora Flight Sciences Corporation
9950 Wakeman Drive  
Manassas, VA 20110  
Pamela Moriarty (214) 748-3647  
04-2-X2.02-7802 GRC  
Wide Range Neutron Detector [125]

**Aurora Flight Sciences Corporation**  
9950 Wakeman Drive  
Manassas, VA 20110  
Pamela Moriarty (214) 748-3647  
04-2-S1.04-9249 GSFC  
Real Time Control Software for Electromagnetic Formation Flight [126]

**Barron Associates, Inc.**  
1410 Sachem Place, Suite 202  
Charlottesville, VA 22901  
David Ward (214) 748-3647  
04-2-A1.03-8285 LaRC  
Real Time Monitoring and Test Vector Generation for Improved Flight Safety [127]

**Luna Innovations Incorporated**  
1 Riverside Circle, Suite 400  
Roanoke, VA 24016  
Angela Keen (214) 748-3647  
04-2-B4.01-8696 MSFC  
Nanostructured Fiber Optic Cantilever Arrays and Hybrid MEMS Sensors for Chemical and Biological Detection [128]

**Metron Aviation, Inc.**  
45300 Catalina Court, Suite 101  
Dulles, VA 20166  
Seth Blackwell (214) 748-3647  
04-2-A1.01-9734 LaRC  
Distributed Command/Control Impacts on NAS Operations [129]
Mosaic ATM, Inc.
801 Sycolin Road, Suite 212
Leesburg, VA 20175
Chris Brinton (214) 748-3647
04-2-A3.01-8498 ARC
Surface Operations Data Analysis and Adaptation Tool [130]

Phoenix Integration
1715 Pratt Drive, Suite 2000
Blacksburg, VA 24060
Brett Malone (214) 748-3647
04-2-X8.01-8873 JPL
Modeling Based Decision Support Environment [131]

SMD Corporation
, VA 00000
Curtis Mitchell (214) 748-3647
04-2-A2.04-9386 LaRC
Advanced Acoustic Blankets for Improved Aircraft Interior Noise Reduction [132]

Virginia Diodes, Inc.
979 Second Street, SE
Charlottesville, VA 22902
Thomas Crowe (214) 748-3647
04-2-S2.01-9515 JPL
Metal Mesh Filters for Terahertz Receivers [133]

VPT, Inc.
, VA 00000
Dan Sable (214) 748-3647
04-2-X2.05-9703 JSC
Modular Power System Configured with Standard Product Hybrid DC-DC Converters [134]
• Washington (1)
   Luxel Corporation
   515 Tucker Avenue
   Friday Harbor, WA 98250
   Pat Wittkopp (214) 748-3647
   04-2-S2.05-9854 GSFC
   Superconducting Thin-Film Interconnects for Cryogenic Photon Detector Arrays [135]

• Wisconsin (3)
   Orbital Technologies Corporation
   Space Center, 1212 Fourier Drive
   Madison, WI 53717
   Eric Rice (214) 748-3647
   04-2-X1.02-8480 KSC
   Low-energy Planetary Excavator (LPE) [136]

   Orbital Technologies Corporation
   Space Center, 1212 Fourier Drive
   Madison, WI 53717
   Thomas Crabb (214) 748-3647
   04-2-B3.07-9224 KSC
   High Efficiency Lighting with Integrated Adaptive Control (HELIAC) [137]

   Orbital Technologies Corporation
   Space Center, 1212 Fourier Drive
   Madison, WI 53717
   Thomas Crabb (214) 748-3647
   04-2-B1.03-8694 MSFC
   Improved Lunar and Martian Regolith Simulant Production [138]
• Wyoming (1)

    Big Horn Valve, Inc.

    , WY 00000

    Robert Burgess (214) 748-3647

    04-2-X2.04-9897 JSC

    In-Space Cryogenic VOST Connect/Disconnect [139]