



Proposals Selected for Negotiation of Contracts

Expand All

- **Alabama (4)**

- **CFD Research Corporation**

- 701 McMillian Way Northwest, Suite D

- Huntsville, AL 35806

- Silvia Harvey (256) 726-4858

- **Mississippi State University**

- Mississippi State, MS 39762

- 16-1-T1.02-9828 MSFC

- [Unified In-Space Propulsion Framework for Prediction of Plume-Induced Spacecraft Environments](#) [1]

- **CFD Research Corporation**

- 701 McMillian Way Northwest, Suite D

- Huntsville, AL 35806

- Silvia Harvey (256) 726-4858

- **Mississippi State University**

- Mississippi State, MS 39762

- 16-1-T1.02-9827 MSFC

- [Prediction of Structural Response and Fluid-Induced Vibration in Turbomachinery](#) [2]

- **Morningbird Media Corporation**

- 259 Cheswick Drive

- Madison, AL 35757

- Chance Glenn (585) 899-0457

- **Alabama A&M RISE Foundation**

- 4900 Meridian Street

Normal, AL 35762

16-1-T12.04-9850 MSFC

[An Additive Manufacturing Technique for the Production of Electronic Circuits](#) [3]

Streamline Automation, LLC

3100 Fresh Way Southwest

Huntsville, AL 35805

Aijalon Putzier (256) 713-1220

Wake Forest University

P.O. Box 7201

Winston-Salem, NC 27109

16-1-T6.03-9722 JSC

[Sustainable Water Purification](#) [4]

• **Arizona (1)**

Paragon Space Development Corporation

3481 East Michigan Street

Tucson, AZ 85714

Carole Leon (520) 382-4814

Texas Tech University

911 Boston, Box 41023

Lubbock, TX 79409

16-1-T6.03-9824 JSC

[Development of the Integrated Water Recovery Assembly \(IRA\) for Recycling Habitation Wastewater Stream](#) [5]

• **California (10)**

Angstrom Designs, Inc.

P.O. Box 2032

Santa Barbara, CA 93120

Timothy Halsey (805) 284-4535

University of California at Santa Barbara

Office of Research, Cheadle Hall 3227

Santa Barbara, CA 93106

16-1-T13.01-9746 SSC

[Modular Embedded Intelligent Sensor Network](#) [6]

Freedom Photonics, LLC

41 Aero Camino

Santa Barbara, CA 93117

Milan Mashanovitch (805) 967-4900

University of California, Santa Barbara

Electrical & Computer Engineering

Santa Barbara, CA 93106

16-1-T8.02-9720 GSFC

[Integrated Optical Transmitter for Space Based Applications](#) [7]

Garvey Spacecraft Corporation

389 Haines Avenue

Long Beach, CA 90814

John Garvey (562) 498-2984

The University of Alabama in Huntsville PRC / OSP

301 Sparkman Drive, VBRH E-29

Huntsville, AL 35899

16-1-T1.01-9835 MSFC

[Torch-Augmented Spark Igniter for Nanosat Launch Vehicle LOX/Propylene Rocket Engine](#) [8]

HJ Science & Technology, Inc.

820 Heinz Avenue

Berkeley, CA 94710

Hong Jiao (408) 464-3873

Georgia Institute of Technology

Atlanta, GA 30332

16-1-T8.03-9761 ARC

[Penetrator-Compatible Microfluidic Analyzer For Lipids, Amino Acid Chirality, and pH](#) [9]

Intelligent Fiber Optic Systems Corporation

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

Stanford Mechanical Engineering

Building 50, 416 Escondido Mall

Stanford, CA 94305

16-1-T4.02-9786 KSC

[Robotic Tool for Asteroid Resource Prospecting and Characterization](#) [10]

Linked Inc

3914 Deervale Drive

Sherman Oaks, CA 91403

Anne Lynch (805) 330-1650

University of California, Los Angeles,

Los Angeles, CA 90095

16-1-T4.01-9721 AFRC

[Sensitivity Analysis for Design Optimization Integrated Software Tools](#) [11]

Mango Materials

490 Lake Park Avenue

Oakland, CA 94610

Molly Morse (650) 427-0430

Colorado School of Mines

1012 14th Street

Golden, CO 80401

16-1-T6.04-9723 ARC

[A Novel, Membrane-Based Bioreactor Design to Enable a Closed-Loop System on Earth and Beyond](#) [12]

Otherlab, Inc.

3101 20th Street

San Francisco, CA 94110

James McBride (415) 970-2209

Faboratory at Purdue University

585 Purdue Mall, ME 2147

West Lafayette, IN 47907

16-1-T11.01-9734 ARC

[Soft Robotic Manipulators with Enhanced Perception using Multimodal Sensory Skins](#) [13]

Seacoast Science, Inc.

2151 Las Palmas Drive, Suite C

Carlsbad, CA 92011

Louis Haerle (760) 268-0083

Case Western Reserve University

School of Engineering

Cleveland, OH 44106

16-1-T6.01-9778 JSC

[Low Mass/Power Sensor Suite for Spacesuits](#) [14]

Tyvak Nano-Satellite System Inc

15265 Alton Parkway, Suite 200

Irvine, CA 92618

Austin Williams (480) 227-1113

University of California, Los Angeles

11000 Kinross Avenue, Suite 200

Los Angeles, CA 90095

16-1-T5.01-9716 GRC

[Deployable Ka-Band Reflectarray](#) [15]

• **Colorado (2)**

Boulder Nonlinear Systems, Inc.

450 Courtney Way, Unit 107

Lafayette, CO 80026

Mark Tanner (303) 604-0077

University of Dayton, Research Institute

300 College Park

Dayton, OH 45469

16-1-T9.01-9816 LaRC

[Non-Mechanical Beam Steering for Entry, Descent and Landing Sensors](#) [16]

TDA Research, Inc.

12345 West 52nd Avenue

Wheat Ridge, CO 80033

John Wright (303) 940-2300

University of Puerto Rico - Mayaguez

Call Box 9000

Mayaguez, PR 681

16-1-T6.04-9773 ARC

[Highly Efficient Closed-Loop CO2 Removal System for Deep-Space ECLSS](#) [17]

• **Delaware (1)**

STF Technologies, LLC

58 Darien Road

Newark, DE 19711

Richard Dombrowski (716) 799-5935

University of Delaware

210 Hullahen Hall

Newark, DE 19716

16-1-T6.01-9742 JSC

[Shear Thickening Fluid Enhanced Textiles for Durable, Puncture- and Cut-Resistant Environmental Protection Garments](#) [18]

- **District of Columbia (1)**

- **TGV Rockets, Inc.**

- 2519 Benning Road Northeast

- Washington, DC 20002

- Chuck Burch (571) 426-3290

- **University of Tennessee**

- 1331 Circle Park Drive

- Knoxville, TN 37916

- 16-1-T1.01-9784 MSFC

- [Low Cost Upper Stage for Affordable Nano/Micro Launch](#) [19]

- **Florida (2)**

- **Keystone Synergistic Enterprises, Inc.**

- 664 Northwest Enterprise Drive, Suite 118

- Port Saint Lucie, FL 34953

- Bryant Walker (772) 343-7544

- **University of Alabama at Huntsville**

- 301 Sparkman Drive

- Huntsville, AL 35899

- 16-1-T12.04-9804 MSFC

- [Bi-Metallic Additive Manufacturing Close-Out of Coolant Channels for Large Liquid Rocket Engine \(LRE\) Nozzles](#) [20]

- **Partow Technologies, LLC**

- 4304 Scorpius Street

- Orlando, FL 32816

- Payam Rabiei (407) 823-2417

- **University of Central Florida**

- 4000 Central Florida Boulevard

Orlando, FL 32816

16-1-T8.02-9806 GRC

[Thin Film Lithium Niobate Microring Modulators for Analog Photonics](#) [21]

- **Illinois (2)**

- **Applied Material Systems Engineering, Inc. (AMSENG)**

- 2309 Pennsbury Court

- Schaumburg, IL 60194

- Mukund Deshpande (630) 372-9650

- **The Board of Trustees of the University of Illinois**

- Champaign, IL 61820

- 16-1-T3.02-9793 MSFC

- [Innovative High Energy Density Storage in Nano Vacuum Tubes \(NVTs\) Designed for Small Leakage Current](#) [22]

- **Tetra Research Corporation**

- 420 Park Avenue West

- Princeton, IL 61356

- Rex Chamberlain (815) 872-0702

- **Mississippi State University**

- P.O. Box 6156

- Mississippi State, MS 39762

- 16-1-T1.02-9703 SSC

- [Efficient High Fidelity Computational Tool for Acoustically Driven Multiphysics Propulsion Modeling](#) [23]

- **Indiana (1)**

- **PC Krause and Associates, Inc.**

- 3000 Kent Avenue, Suite C1-100

- West Lafayette, IN 47906

- David Parks (765) 464-8997

Purdue University

155 South Grant Street

West Lafayette, IN 47907

16-1-T15.01-9692 GRC

[Hybrid Modeling Capability for Aircraft Electrical Propulsion Systems](#) [24]

• **Kentucky (1)**

IOP Technologies, LLC

218 Ring Road, Suite A

Louisville, KY 40207

William Paxton (270) 331-1116

Vanderbilt University

PMB 407749, 2301 Vanderbilt Place

Nashville, TN 37240

16-1-T6.03-9725 JSC

[Development of an Advanced Diamond TEC Cathode](#) [25]

• **Maryland (2)**

Applied Research, LLC

9605 Medical Center Drive, Suite 113E

Rockville, MD 20850

Chiman Kwan (240) 505-2641

University of Tennessee

Min H. Kao Building, Suite 304; 1520 Middle Drive

Knoxville, TN 37996

16-1-T8.01-9787 JPL

[High Performance Image Processing Algorithms for Current and Future Mastcam Imagers](#) [26]

Emergent Space Technologies, Inc.

6411 Ivy Lane, Suite 303

Greenbelt, MD 20770

Everett Cary (301) 345-1535

University of Florida

Gainesville, FL 32611

16-1-T11.02-9713 GSFC

[An Intelligent Autonomous Executive for cFS Distributed Spacecraft Missions](#) [27]

• **Massachusetts (5)**

Aurora Flight Sciences Corporation

90 Broadway, 11th Floor

Cambridge, MA 2142

Scott Hart (617) 500-4892

Massachusetts Institute of Technology

77 Massachusetts Avenue

Cambridge, MA 2139

16-1-T4.03-9758 JPL

[Spacecraft Swarm Coordination and Planning Tool](#) [28]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

Arizona State University

PO Box 876004

Tempe, AZ 85287

16-1-T4.02-9752 KSC

[AstroCube: An Asteroid Prospecting CubeSat Mission](#) [29]

Freight Farms, Inc.

840 Summer Street, Suite 108

Boston, MA 2127

Viktoriya Shulevich (877) 687-4326

Clemson University

300 Brackett Hall, Box 345702

Clemson, SC 29634

16-1-T6.04-9800 ARC

[Self-Sustaining Crop Production Unit](#) [30]

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 1810

David Green (978) 738-8146

Purdue University

155 S. Grant Street

West Lafayette, IN 47908

16-1-T1.01-9785 AFRC

[Low-Cost, Scalable, Hybrid Launch Propulsion Technology](#) [31]

Radiation Monitoring Devices, Inc.

44 Hunt Street

Watertown, MA 2472

Jennifer Carey (617) 668-6811

COSMIAC at The University of New Mexico

Albuquerque, NM 87131

16-1-T6.02-9776 GSFC

[The Small Mixed Field Autonomous Radiation Tracker \(SMART\) Dosimeter](#) [32]

• **Minnesota (1)**

ASTER Labs, Inc.

155 East Owasso Lane

Shoreview, MN 55126

Suneel Sheikh (651) 484-2084

The Regents of the University of Minnesota

Minneapolis, MN 55455

16-1-T4.03-9796 JPL

[Satellite Swarm Localization and Control via Random Finite Set Statistics](#) [33]

• **New York (2)**

Honeybee Robotics, Ltd.

Building 3, Suite 1005 63 Flushing Avenue Unit 150

Brooklyn, NY 11205

Kris Zacny (510) 207-4555

Michigan Technological University

1400 Townsend Drive

Houghton, MI 49931

16-1-T4.02-9747 KSC

[Robotic ISRU Construction of Planetary Landing and Launch Pad](#) [34]

Honeybee Robotics, Ltd.

Building 3, Suite 1005 63 Flushing Avenue Unit 150

Brooklyn, NY 11205

Kris Zacny (510) 207-4555

SETI Institute Carl Sagan Center

Mountain View, CA 94043

16-1-T8.03-9689 ARC

[In-Situ Spectroscopic Europa Explorer \(ISEE\)](#) [35]

• **North Carolina (1)**

Third Floor Materials

3110 Edwards Mill Road Suite 300

Raleigh, NC 27612

Christopher Shelton (503) 740-7565

North Carolina State University

2701 Sullivan Drive

Raleigh, MT 27695

16-1-T8.01-9717 LaRC

[Uncooled Multispectral Photoemissive Infrared Detector](#) [36]

• **Ohio (2)**

Advratech, LLC

714 East Monument Avenue

Dayton, OH 45402

David Burton (937) 241-9403

Wright State University

3640 Colonel Glenn Highway

Dayton, OH 45435

16-1-T12.04-9743 MSFC

[Empirical Optimization of Additive Manufacturing](#) [37]

Cornerstone Research Group, Inc.

2750 Indian Ripple Road

Dayton, OH 45440

Chrysa Theodore (937) 320-1877

University of Dayton

300 College Park

Dayton, OH 45469

16-1-T12.02-9788 KSC

[NONA Repair of Composite Structures](#) [38]

• **Oregon (1)**

Voxtel, Inc.

15985 Northwest Schendel Avenue, Suite 200

Beaverton, OR 97006

Debra Ozuna (971) 223-5646

University of Dayton

300 College Park

Dayton, OH 45469

16-1-T9.01-9710 LaRC

[High-Gain, Low-Excess-Noise APD Arrays for Near-Single-Photon-Sensitive LADAR](#) [39]

• **Pennsylvania (3)**

Aviana Molecular Technologies, LLC

831 Amies Lane

Bryn Mawr, PA 19010

Vanaja Ragavan (610) 220-0965

University of Central Florida

4000 Central Florida Boulevard

Orlando, FL 32816

16-1-T12.01-9836 LaRC

[Passive Wireless Sensor System for Space and Structural Health Monitoring](#) [40]

Materials Research and Design, Inc.

300 East Swedesford Road

Wayne, PA 19087

Brian Sullivan (610) 964-9000

Villanova University

Villanova, PA 19085

16-1-T12.01-9724 LaRC

[Fiber Optic Health Monitoring of 3D Woven Preforms and Composites Employing Structurally Integrated Sensors](#) [41]

Protoinnovations, LLC

5453 Albemarle Avenue

Pittsburgh, PA 15217

Dimitrios Apostolopoulos (412) 916-8807

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213

16-1-T11.01-9699 ARC

[Increasing the Performance of Autonomous Planetary Robots Through Environmental Manipulations](#) [42]

• **Tennessee (2)**

Gloyer-Taylor Laboratories, LLC

112 Mitchell Boulevard

Tullahoma, TN 37388

Paul Gloyer (931) 455-7333

Southern Research Institute

2000 Ninth Avenue South

Birmingham, AL 35205

16-1-T12.01-9846 LaRC

[Structural Nervous System](#) [43]

Gloyer-Taylor Laboratories, LLC

112 Mitchell Boulevard

Tullahoma, TN 37388

Paul Gloyer (931) 455-7333

University of Tennessee

University of Tennessee

Knoxville, TN 37996

16-1-T3.01-9843 SSC

[Active Radiation Shield](#) [44]

• **Texas (5)**

Balcones Technologies, LLC

10532 Grand Oak Circle

Austin, TX 78750

Joseph Beno (512) 924-2241

University of Texas Center for Electromechanics

Austin, TX 78758

16-1-T15.01-9808 GRC

[Mega-Watt Class High Voltage, Variable Frequency, Propulsor Power Unit](#) [45]

Enterprise Advisory Services, Inc.

6671 Southwest Freeway, Suite 800

Houston, TX 77074

Tony Johnson (440) 554-4036

Virginia Tech

North End Center, Suite 4200, Virginia Tech

Blacksburg, VA 24061

16-1-T4.02-9726 KSC

[Comprehensive Modeling for Off-Earth Mining Optimization and Resource Processing](#) [46]

Nanohmics, Inc.

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Michael Mayo (512) 389-9990

Catholic University of America

Washington, DC 20064

16-1-T8.02-9741 GSFC

[Photonic IC Spectrometer for Spacecraft](#) [47]

Nanohmics, Inc.

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Michael Mayo (512) 389-9990

University of Maryland

Department of Astronomy

College Park, MD 20742

16-1-T8.01-9779 LaRC

[A Cubesat Hyperspectral Imager](#) [48]

TRAC Labs, Inc.

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

Carnegie Mellon University - Silicon Valley

NASA Research Park, Bldg 23

Moffett Field, CA 94305

16-1-T11.01-9740 ARC

[Visualizing and Comparing Exploration Plan Alternatives and Change Effects \(xPACE\)](#) [49]

• **Virginia (5)**

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

Pennsylvania State University

State College, PA 16803

16-1-T9.01-9825 LaRC

[Ultra-Compact Transmitter for Space-Based Lidar](#) [50]

Luna Innovations, Inc.

301 1st Street Southwest, Suite 200

Roanoke, VA 24016

Shirley Evans (540) 961-6724

North Carolina State University

NCSU Office of Sponsored Programs

Raleigh, NC 27695

16-1-T6.01-9730 JSC

[Environmentally Protective Fabrics for Spacesuits](#) [51]

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

Virginia Tech

302 Whittemore

Blacksburg, VA 24061

16-1-T12.03-9821 LaRC

[Integrated Sensors for the Evaluation of Structural Integrity of Inflatable Habitats](#) [52]

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

Virginia Tech-Mechanical Engineering Department

635 Prices Fork Road-MC 0238

Blacksburg, VA 24061

16-1-T13.01-9820 SSC

[Wireless Networked Sensors for Remote Monitoring in Propulsion Systems](#) [53]

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-3645

Virginia Tech

1333 Randolph Hall

Blacksburg, VA 24061

16-1-T12.02-9810 KSC

[Innovative Hybridsil Poly\(Siloxane Imide\) Composite Repair Materials and Methods](#) [54]

- **Washington (3)**

- **SCCAQ Energy, LLC**

- 432 Heritage Hills Drive

- Richland, WA 99352

- Songgang Qiu (509) 308-2702

- **Temple University**

- 1947 North 12th Street

- Philadelphia, PA 19122

- 16-1-T3.01-9698 GRC

- [Advanced Stirling Regenerator and Heat Exchanger Assembly for Radioisotope Stirling Space Power](#) [55]

- **SCCAQ Energy, LLC**

- 432 Heritage Hills Drive

- Richland, WA 99352

- Songgang Qiu (509) 308-2702

- **Temple University**

- 1947 North 12th Street

- Philadelphia, PA 19122

- 16-1-T3.01-9697 GRC

- [Innovative Stirling Convertor for Distributed Electric Power from Thermal Energy Recovery](#) [56]

- **SCCAQ Energy, LLC**

- 432 Heritage Hills Drive

- Richland, WA 99352

- Songgang Qiu (509) 308-2702

- **Temple University**

- 1947 North 12th Street

- Philadelphia, PA 19122

16-1-T3.01-9696 GRC

[400 W Stirling Convertor for kW-Class Space Power System](#) [57]

- **West Virginia (1)**

- **NextGen Federal Systems, LLC**

- 235 High Street, Suite 220

- Morgantown, WV 26505

- David Bissett (703) 568-7015

- **The University of Alabama in Huntsville**

- 301 Sparkman Drive

- Huntsville, AL 35899

- 16-1-T6.02-9753 GSFC

- [Space Radiation Intelligence System \(SPRINTS\)](#) [58]

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