



Proposals Selected for Negotiation of Contracts

Expand All

- **Focus Area 1 In-Space Propulsion Technologies (6)**

CFD Research Corporation

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

Mississippi State University

Lee Boulevard

Mississippi State, MS

17-2-T1.02-9953 MSFC

[Transient Acoustic Environment Prediction Tool for Launch Vehicles in Motion During Early Lift-Off](#) [1]

CFD Research Corporation

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

Mississippi State University

Lee Boulevard

Mississippi State, MS

17-2-T1.02-9954 MSFC

[Multiphase Modeling of Solid Rocket Motor Internal Environment](#) [2]

Exquadrum, Inc.

12130 Rancho Road

Adelanto, CA 92301

Glen Goede (760) 246-0279

University of Arizona

1177 E. 4th Street, Shantz Building

Tucson, AZ 85721

17-2-T1.01-9985 MSFC

[Bantam Rocket Affordable SLV Stage \(BRASS\)](#) [3]

Princeton Satellite Systems

6 Market Street, Suite 926

Plainsboro, NJ 8536

Michael Paluszek (609) 275-9606

Princeton Plasma Physics Laboratory

PO Box 451

Princeton, NJ 8543

17-2-T2.01-9960 GRC

[Superconducting Coils for Small Nuclear Fusion Rocket Engines](#) [4]

Streamline Numerics, Inc.

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

Stanford University

450 Serra Mall

Stanford, CA

17-2-T1.02-9942 SSC

[High Performance Simulation Tool for Multiphysics Propulsion Using Fidelity-Adaptive Combustion Modeling](#) [5]

Terves, Inc.

24112 Rockwell Drive, Suite C

Euclid, OH 44117

Nicholas Farkas (216) 404-0053

Pennsylvania State University

112 Hammond Building

University Park, PA 16802

17-2-T1.01-9889 MSFC

[High Density Hybrid Motors](#) [6]

- **Focus Area 2 Power Energy and Storage (3)**

- **EleQuant Knowledge Innovation Data Science, LLC**

- 1801 Swann Street Northwest, #302

- Washington, DC 20009

- Regina Llopis (415) 978-9800

- **Case Western Reserve University**

- 10900 Euclid Ave.

- Cleveland, OH 44106

- 17-2-T3.02-9967 GRC

- [Holomorphic Embedding for Loadflow Integration of Operational Thermal and Electric Reliable Procedural Systems](#) [7]

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

- 3000 Kent Avenue, Suite C1-100

- West Lafayette, IN 47906

- Teresa Arens (317) 410-1865

- **Purdue University-Main Campus**

- Hovde Hall of Administration

- West Lafayette, IN

- 17-2-T3.02-9778 GRC

- [Autonomous Power Controller for Mission Critical Microgrids](#) [8]

- **Physical Sciences, Inc.**

- 20 New England Business Center

- Andover, MA 1810

- B. David Green (978) 689-0003

Purdue University

155 S. Grant Street

West Lafayette, IN 47907

17-2-T3.01-9959 SSC

[Electrical Power from Thermal Energy Scavenging in High Temperature Environments](#) [9]

• **Focus Area 3 Autonomous Systems for Space Exploration (5)**

Advanced Space, LLC

2100 Central Avenue, Suite 102

Boulder, CO 80301

Bradley Cheetham (720) 545-9189

The Regents of the University of Colorado

3100 Marine Street Room 479

Boulder, CO 80303

17-2-T11.02-9964 GSFC

[Efficient cFS-based On-board Lamberts Solution for DSMs](#) [10]

CrossTrac Engineering, Inc.

2730 Saint Giles Lane

Mountain View, CA 94040

John Hanson (408) 898-0376

Massachusetts Institute of Technology

77 Massachusetts Avenue

Cambridge, MA 77058

17-2-T11.02-9927 GSFC

[Optical Intersatellite Communications for CubeSat Swarms](#) [11]

Jaycon Systems

801 East Hibiscus

Melbourne, FL 32901

Jiten Chandiramani (321) 505-4560

Florida Institute of Technology

150 W University Blvd

Melbourne, FL 32901

17-2-T11.02-9854 ARC

[Vision-Based Navigation for Formation Flight onboard ISS](#) [12]

Texas Research Institute Austin, Inc.

9063 Bee Caves Road

Austin, TX 78733

Michael Dingus (512) 263-2101

The Curators of the University of Missouri on behalf of Missouri University of Science and Technology

202 Centennial Hall, 300 W. 12th Street

Rolla, MO 65409

17-2-T12.01-9924 LaRC

[Advanced Structural Health Monitoring](#) [13]

X-wave Innovations, Inc.

555 Quince Orchard Road, #510

Gaithersburg, MD 20878

Jennifer Duan (301) 200-8368

University Of Maryland Eastern Shore

Department of Engineering and Aviation Sciences, 2008 Engineering and Aviation Science Complex
University of Maryland Eastern Shore

Prince Anne, MD 21853

17-2-T12.01-9839 LaRC

[An Ultrasonic Wireless Sensor Network for Data Communication and Structural Health Monitoring](#) [14]

• **Focus Area 4 Robotic Systems for Space Exploration (1)**

TRAC Labs, Inc.

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

Southwest Research Institute

6220 Culebra Road

San Antonio, TX 78238

17-2-T4.01-9845 ARC

[Towards a Turn-key Software Suite for Controlling Complex Remote Robots using English-language Electronic Procedures](#) [15]

• **Focus Area 6 Life Support and Habitation Systems (3)**

Creare, LLC

16 Great Hollow Road

Hanover, NH 3755

Robert Kline-Schoder (603) 640-2487

Dartmouth College

207 Parkhurst Hall

Hanover, NH

17-2-T6.02-9840 JSC

[Volume Sensor for Flexible Fluid Reservoirs in Microgravity](#) [16]

Faraday Technology, Inc.

315 Huls Drive

Englewood, OH 45315

E. Jennings Taylor (937) 836-7749

University of Puerto Rico

PO Box 21790

San Juan, PR 931

17-2-T6.01-9949 ARC

[Next Generation Water Recovery for a Sustainable Closed Loop Living](#) [17]

Space Lab Technologies, LLC

5455 Spine Road, Suite ME

Boulder, CO 80301

Christine Escobar (720) 309-8475

Regents of the University of Colorado

3100 Marine Street

Boulder, CO 80303

17-2-T7.02-9876 KSC

[uG-LilyPond - Floating Plant Pond for Microgravity](#) [18]

• **Focus Area 9 Sensors, Detectors and Instruments (5)**

American GNC Corporation

888 Easy Street

Simi Valley, CA 93065

Emily Melgarejo (805) 582-0582

Rensselaer Polytechnic Institute

110 8th Street

Troy, NY 12180

17-2-T13.01-9800 SSC

[Through Wall Wireless Intelligent Sensor and Health Monitoring \(TWall-ISHM\) System](#) [19]

Freedom Photonics, LLC

41 Aero Camino

Santa Barbara, CA 93117

Milan Mashanovitch (805) 967-4900

University of California-Santa Barbara

5221 Cheadle Hall

Santa Barbara, CA

17-2-T8.02-9810 GSFC

[High Performance 3D Photonic Integration for Space Applications](#) [20]

Intelligent Fiber Optic Systems Corporation

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

Stanford University

450 Serra Mall

Stanford, CA

17-2-T8.02-9931 JSC

[Multifunctional Integrated Photonic Lab-on-a-Chip for Astronaut Health Monitoring](#) [21]

Laser & Plasma Technologies, LLC

1100 Exploration Way

Hampton, VA 23666

Nita Gupta (757) 876-8761

University of Virginia

Albert H. Small Building 159 Engineer?s Way. P.O. Box 400257

Charlottesville, VA 22904

17-2-T8.01-9801 LaRC

[Development of an Optic Fiber Based Hybrid Spectroscope](#) [22]

Luna Innovations, Inc.

301 1st Street Southwest, Suite 200

Roanoke, VA 24011

Lisa Powell (434) 483-4246

The Regents of the University of California, Santa Barbara

3227 Cheadle Hall, 3rd Floor

Santa barbara, CA 93106

17-2-T8.02-9849 GSFC

[Heterogeneous Silicon Photonics OFDR Sensing System](#) [23]

• **Focus Area 15 Lightweight Materials Structures and Assembly / Construction (3)**

Composites Automation, LLC

9 Adelaide Court

Newark, DE 19702

Dirk Heider (302) 831-8898

University of Delaware

210 - B Hullahen Hall

Newark, DE 19716

17-2-T12.03-9971 LaRC

[Design and Process Development of Thin-Ply Composites](#) [24]

Luna Innovations, Inc.

301 1st Street Southwest, Suite 200

Roanoke, VA 24011

Michael Pruzan (540) 769-8430

Aerospace Federally Funded Research and Development Center

2310 E. El Segundo Blvd.

El Segundo, CA

17-2-T12.02-9846 KSC

[Efficient Composite Repair Methods for Launch Vehicles](#) [25]

QuesTek Innovations, LLC

1820 Ridge Avenue

Evanston, IL 60201

Voula Colburn (847) 425-8215

University of Pittsburgh-Pittsburgh Campus

4200 Fifth Avenue

Pittsburgh, PA

17-2-T12.04-9880 LaRC

[Integrated Computational Material Engineering Technologies for Additive Manufacturing](#) [26]

- **Focus Area 16 Ground & Launch Processing (1)**

Radiometrics Corporation

4909 Nautilus Court North, #110

Boulder, CO 80301

Dick Rochester (303) 619-0368

University of Oklahoma-Norman Campus

660 Parrington Oval

Norman, OK

17-2-T1.03-9934 KSC

[Launch Weather Decision Support System](#) [27]

- **Focus Area 18 Air Vehicle Technology (2)**

Continuum Dynamics, Inc.

34 Lexington Avenue

Ewing, NJ 8618

Barbara Agans (609) 538-0444

Pennsylvania State University

112 Hammond Building

University Park, PA 16802

17-2-T15.01-9907 ARC

[Distributed Electric Propulsion Aircraft Comprehensive Analysis and Design Tool](#) [28]

Empirical Systems Aerospace, Inc.

3580 Sueldo Street

San Luis Obispo, CA 93401

Andrew Gibson (805) 704-1865

University of Illinois at Urbana-Champaign

601 E John Street

Champaign, IL

17-2-T15.01-9848 AFRC

[Demonstration of Autonomous Differential Throttle-based Flight Control for Aircraft with Distributed Electric Propulsion \[29\]](#)

- **Focus Area 21 Small Spacecraft Technologies (1)**

- **Scientific Systems Company, Inc.**

- 500 West Cummings Park, Suite 3000

- Woburn, MA 1801

- Lora Loyall (781) 933-5355

- **University of Washington**

- Gerberding Hall G80 Box 351202

- Seattle, WA 98195

- 17-2-T4.03-9829 JPL

- [Distributed Intelligent Swarm Control & Utilization System \(DISCUS\): Further Maturation and Demonstration \[30\]](#)

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