Proposals Selected for Negotiation of Contracts

Expand All

• Focus Area 1 In-Space Propulsion Technologies (3)

Little Prairie Services
14 Dunkin Road
Edgewood, NM 87015
Roger Lenard (505) 220-8029

Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 2139
20-1-T2.04-6118 MSFC

NTR Fuel Testing in MIT Reactor Facilities [1]

Particle Matters, Inc.
2324 Venndale Avenue
San Jose, CA 95124
Sergey Gimelshein (818) 527-5432

Stanford University
450 Serra Mall
Palo Alto, CA 94304
20-1-T2.04-5261 MSFC


VRC Metal Systems
600 North Ellsworth Road
Box Elder, SD 57719
Terree Matson McCoy (605) 716-0061
Focus Area 3 Autonomous Systems for Space Exploration (7)

**Altius Space Machines, Inc.**
3001 Industrial Lane, Unit #5
Broomfield, CO 80020
Jonathan Goff (801) 362-2310

**Virginia Tech**
925 Prices Fork Road
Blacksburg, VA 24061
20-1-T4.03-5435 JPL

**Interstel Technologies, Inc.**
91-1036 Waiilikahi Street
Ewa Beach, HI 96706
Miguel Nunes (808) 388-1176

**University of Hawaii**
2440 Campus Road, Box 368
Honolulu, HI 96822
20-1-T4.03-5557 JPL

**Orbit Logic, Inc.**
7852 Walker Drive
Greenbelt, MD 20770
Ella Herz (301) 982-6234

**University of Colorado Boulder**

1111 Engineering Drive

Boulder, CO 80309

20-1-T4.03-5760 JPL


**Rocket Studios**

16037 Bassett Street

Lake Balboa, CA 91406

Daniel Sinor (310) 990-5079

**California State University-Northridge**

18111 Nordhoff Street

Northridge, CA 91330

20-1-T4.03-6408 JPL

*Hierarchical State Machine Visualization in Multi-Robot System* [7]

**SPEC Sensors LLC**

8430 Central Avenue

Newark, CA 94560

David Peaslee (510) 574-8300

**Curators of the University of Missouri on Behalf of UMSL**

One University Boulevard

St. Louis, MO 63121

20-1-T4.04-5080 ARC

*Autonomous Environmental Monitoring and Management Platform for Remote Habitats* [8]

**Stottler Henke Associates, Inc.**

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402

Nate Henke (650) 931-2719

**Montana State University**
Gateway Management through Adaptive, Autonomous, Fault Identification & Diagnosis and Reconfiguration/Replanning/Rescheduling Optimization [9]

Stottler Henke Associates, Inc.
1650 South Amphlett Boulevard, Suite 300
San Mateo, CA 94402
Nate Henke (650) 931-2719

University of Colorado Boulder
1111 Engineering Drive
Boulder, CO 80309
20-1-T4.04-5250 KSC

Autonomous Payload Operations on the Lunar Gateway [10]

Focus Area 4 Robotic Systems for Space Exploration (2)

Edge Case Research, Inc.
3485 Butler Street
Pittsburgh, PA 15201
Brendon Ouimette (412) 455-5444

Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
20-1-T4.01-6224 ARC


TRACLabs, Inc.
100 North East Loop 410, Suite 520
San Antonio, TX 78216
David Kortenkamp (281) 461-7886
Johns Hopkins University Applied Physics Laboratory LLC
11100 Johns Hopkins Road
Laurel, MD 21044
20-1-T4.01-5037 ARC

Integrating ROS 2 with the Core Flight System [12]

- Focus Area 5 Communications and Navigation (4)
  ADVR, Inc.
  2310 University Way, Building 1-1
  Bozeman, MT 59715
  Betsy Heckel (406) 522-0388

  Massachusetts Institute of Technology
  77 Massachusetts Avenue
  Cambridge, MA 2139
  20-1-T5.04-5429 GRC

  High-purity, high-rate, photon pair source for space-based entanglement distribution [13]

  Amethyst Research, Inc.
  123 Case Circle
  Ardmore, OK 73401
  Robert Kuester (580) 657-2575

  University of California - Santa Barbara
  Office of Research - 3227 Cheadle Hall
  Santa Barbara, CA 93106
  20-1-T5.04-6397 GRC

  Ultra-Efficient Integrated Photonic Quantum Transceiver for High-Speed Quantum Communications [14]

  Electro Magnetic Applications
  7655 West Mississippi Avenue, Suite 300
  Lakewood, CO 80226
  Emily Hennerberg (720) 974-1215
**Wichita State University**
1845 N. Fairmount
Wichita, KS 67260
20-1-T5.03-5050 KSC

*Numerical Simulation of Fields in Cavities with Detailed Antenna Modeling* [15]

**Physical Sciences, Inc.**
20 New England Business Center
Andover, MA 1810
B. David Green (978) 689-0003

**Board of Trustees of the University of Illinois (at Urbana-Champaign)**
1901 South First Street, Suite A
Champaign, IL 61820
20-1-T5.04-5470 GRC

*Doppler-Compensated Integrated Photonic Time-Bin Entanglement Transceiver* [16]

**Focus Area 6 Life Support and Habitation Systems (8)**

**Adelphi Technology, LLC**
2413 Nashville Road, Suite B8
Bowling Green, KY 42101
Charles Gary (650) 575-4555

**Western Kentucky University**
1906 College Heights Boulevard
Bowling Green, KY 42101
20-1-T6.07-5715 KSC

*Compact Ethylene Monitor for NASA Space Missions* [17]

**Busek Company, Inc.**
11 Tech Circle
Natick, MA 1760
Judy Budny (508) 655-5565

Vanderbilt University
2101 West End Avenue
Nashville, TN 37235
20-1-T6.05-6533 LaRC

Radiation Modeling of COTS Power Converters in a Highly Shield Space Environment [18]

Cactus Materials
7700 South River Parkway
Chandler, AZ 85284
Mohammed Rafiqul Islam (480) 213-4704

Arizona State University
699 South Mill Avenue
Tempe, AZ 85281
20-1-T6.06-5608 JSC

Long Term Uses of Potable Water Containing Silver Disinfectant in High Surface to Volume Ratio Metallic Surfaces [19]

Innosense, LLC
2531 West 237th Street, Suite 127
Torrance, CA 90505
Kisholoy Goswami (310) 530-2011

Yale University
206 Elm Street
New Haven, CT 6520
20-1-T6.06-4928 JSC

Nanomaterials Based In-Line Sensor for Ionic Silver in Spacecraft Potable Water Systems [20]

Innosense, LLC
2531 West 237th Street, Suite 127
Torrance, CA 90505
Kisholoy Goswami (310) 530-2011
University of Utah
201 Presidents Circle, Room 201
Salt Lake City, UT 84102
20-1-T6.07-5335 KSC

In-Space Plant Nutrient: Acicular Surface Modified Polymers for Aiding Faceted Sodium Chloride Separation from Urine [21]

Southwest Sciences, Inc.
1570 Pacheco Street, Suite E-11
Santa Fe, NM 87505
Alan Stanton (505) 984-1322

Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
20-1-T6.07-5408 KSC

Real Time Ethylene Monitor for Plant Growth Management [22]

Streamline Automation, LLC
3100 Fresh Way Southwest
Huntsville, AL 35805
Alton Reich (256) 713-1220

Alabama A&M University
4900 Meridian Street North
Huntsville, AL 35811
20-1-T6.05-5155 LaRC

Testing of COTS Systems in Space Radiation Environments [23]

TDA Research, Inc.
12345 West 52nd Avenue
Wheat Ridge, CO 80033
John D. Wright (303) 940-2347

University of Puerto Rico
14, 2534 Avenue Universidad Suite 1401
San Juan, PR 925
20-1-T6.06-5500 JSC

High Capacity Sorbents for Removal of Problematic Contaminants from Processed Wastewater [24]

• Focus Area 8 In-Situ Resource Utilization (4)
  Combustion Research and Flow Technology
  6210 Keller's Church Road
  Pipersville, PA 18947
  Neeraj Sinha (215) 766-1520

  University of Connecticut
  438 Whitney Road Extension, U-1133
  Storrs, CT 6269
  20-1-T2.05-4812 GRC

  Design of Spray Cooling Systems for Chilldown of Propellant Tanks [25]

  Gloyer-Taylor Laboratories, LLC
  112 Mitchell Boulevard
  Tullahoma, TN 37388
  Paul Gloyer (931) 455-7333

  University of Tennessee Space Institute
  411 B.H. Goethert Parkway
  Tullahoma, TN 37388
  20-1-T2.05-4862 GRC

  Standards for Impure Propellants [26]

  Precision Combustion, Inc.
  410 Sackett Point Road
  North Haven, CT 6473
  Anthony Anderson (203) 287-3700

  University of Connecticut
Pressure and Low Temperature Tolerant, High Current Density Solid Electrolyte for Propellant Grade Reactants [27]

TDA Research, Inc.
12345 West 52nd Avenue
Wheat Ridge, CO 80033
John D. Wright (303) 940-2347

Georgia Tech Research Institute (GTRI)
250 14th Street Northwest
Atlanta, GA 30318
20-1-T2.05-5396 GRC

A New Oxygen Recovery Process to Reduce Waste from Propellant Tanks [28]

• Focus Area 9 Sensors, Detectors and Instruments (4)

ADVR, Inc.
2310 University Way, Building 1-1
Bozeman, MT 59715
Betsy Heckel (406) 522-0388

University of Illinois at Urbana-Champaign
1901 South First Street, Suite A
Champaign, IL 61820
20-1-T8.06-5430 GSFC

Tunable Narrow-Band Bi-Photon Source in IR Spectral Region for Calibration of High-Performance Transition-Edge Sensors [29]

Alphacore, Inc.
304 South Rockford Drive
Tempe, AZ 85281
Andrew Levy (503) 320-5466
Arizona State University
699 South Mill Avenue
Tempe, AZ 85281
20-1-T8.04-5368 GSFC
Metamaterials [30]

Applied Optimization, Inc.
3040 Presidential Drive, Suite 100
Fairborn, OH 45324
Barbara Krivian (937) 431-5100

University of Dayton
300 College Park
Dayton, OH 45469
20-1-T8.04-6260 JPL
Tunable, Reconfigurable Metamaterials Using Liquid Crystal Medium [31]

Nanohmics, Inc.
6201 East Oltorf Street, Suite 400
Austin, TX 78741
Mike Mayo (512) 389-9990

The University of Texas at Dallas
800 West Campbell Road
Richardson, TX 75080
20-1-T8.06-5681 GSFC
On-Demand Single-Photon Sources for Correlated Calibration of Single Photon Detectors [32]

• Focus Area 14 On-orbit Servicing, Assembly, and Manufacturing (OSAM) (3)
Elder Research, Inc.
300 West Main Street, Suite 301
Charlottesville, VA 22903
William Goodrum (434) 973-7673

**Southwest Research Institute**

6220 Culebra Road

San Antonio, TX 78238

20-1-T12.06-4917 JPL

[RAMBO: Rapid Additive Manufacturing Build Outcomes](#) [33]

**Formalloy Technologies, Inc.**

2830 Via Orange Way, Suite H

Spring Valley, CA 91978

Melanie Lang (619) 377-9101

**New Mexico State University-Dona Ana**

1780 East University Avenue

Las Cruces, NM 88003

20-1-T12.06-6599 JPL

[Data-Driven Modeling of Directed Energy Deposition (DED) for Defect-Free Builds using Real-Time Monitoring Approaches](#) [34]

**QuesTek Innovations, LLC**

1820 Ridge Avenue

Evanston, IL 60201

Kevin Creely (847) 425-8226

**Northwestern University**

633 Clark Street

Evanston, IL 60208

20-1-T12.06-5463 JPL

[Improved Part-Scale Modeling of Additive Manufacturing Processes](#) [35]

**Focus Area 15 Materials, Materials Research, Structures, and Assembly (8)**

**AnalySwift**

5413 Crus Corvi Road
West Jordan, UT 84081
Allan Wood (801) 599-5879

**University of Central Florida**
4000 Central Florida Boulevard
Orlando, FL 32816
20-1-T12.01-5412 LaRC

[Modeling Nonlinear Viscoelasticity and Time-Dependent Yielding of Thin-Ply Composites](#) [36]

**ATSP Innovations**
60 Hazelwood Drive
Champaign, IL 61820
Jacob Meyer (217) 778-4400

**Texas A&M Engineering Experiment Station**
7607 Eastmark Drive
College Station, TX 77840
20-1-T12.01-4984 LaRC

[Creep-Resistant Aromatic Polyester Thermosets for Thin-Ply Composites](#) [37]

**Convergent Manufacturing Technologies US**
1101 North Northlake Way, Suite 200
Seattle, WA 98103
Brian Coxon (206) 434-1976

**University of Washington**
4333 Brooklyn Avenue Northeast, Box 359472
Seattle, WA 98195
20-1-T12.01-4586 LaRC

[Process Simulation & Optimization for Thin-Ply Composites](#) [38]

**Goodman Technologies, LLC**
9551 Giddings Avenue Northeast
Albuquerque, NM 87109
William Goodman (505) 400-8169
University of Hawaii at Manoa
2500 Campus Road
Honolulu, HI 96822
20-1-T12.05-5275 JSC

Moldable and Curable Silicon Carbide Prepreg For Hypersonic Thermal Protection Systems [39]

KAI, Inc.
6402 Needham Lane
Austin, TX 78739
Penelope Koo (512) 301-4170

University of Delaware
210 South College Avenue
Newark, DE 19716
20-1-T12.05-4930 JSC

Additive Manufacturing of Continuous Carbon Fiber Reinforced Phthalonitriles for Thermal Protection [40]

Nanovox, LLC
15985 Northwest Schendel Avenue, Suite 201
Beaverton, OR 97006
Debra Ozuna (503) 260-6869

Oregon State University
153 Gilbert Hall
Corvallis, OR 97331
20-1-T12.05-6182 JSC

Additive-Manufactured Ablative Thermal Protection Systems [41]

Texas Research Institute Austin, Inc.
9063 Bee Caves Road
Austin, TX 78733
Megan Lietha (512) 615-4444

Texas State University
601 University Drive
Additive Manufacturing (AM) of Thermal Protection Systems (TPSs) Using Preceramic Polymer Resin [42]

Vistex Composites, LLC
11 Opus Boulevard, Suite B
Schenectady, NY 12306
Jaron Kuppers (508) 340-7873

Union College
807 Union Street
Schenectady, NY 12308
20-1-T12.01-6578 LaRC

OOA Process for Manufacture of Large Thin Gauge Composites [43]

- Focus Area 16 Ground & Launch Processing (2)
  Geocent, LLC
  111 Veterans Boulevard, Suite 1600
  Metairie, LA 70005
  Jeff Tomeny (504) 831-1900

  The University of Southern Mississippi
  118 College Drive, Box #5157
  Hattiesburg, MS 39406
  20-1-T13.01-5600 SSC

  Intelligent Sensor Systems - 2020 [44]

  Physical Sciences, Inc.
  20 New England Business Center
  Andover, MA 1810
  B. David Green (978) 689-0003

  Auburn University
  23 Samford Hall
Focus Area 18 Air Vehicle Technology (6)

Aegis Technology, Inc.
12630 Westminster Avenue, Suite G
Santa Ana, CA 92706
timothy lin (714) 554-5511

Cornell University
410 Thurston Avenue
Ithaca, NY
20-1-T15.03-5735 GRC
Solid-State Lithium-ion Batteries for Electrified Aircraft Propulsion Energy Storage [46]

CubCrafters Inc.
1918 South 16th Avenue
Yakma, WA 98903
Pat Horgan (509) 895-9465

Oregon State University
153 Gilbert Hall
Corvallis, OR 97331
20-1-T15.04-5017 AFRC
ELAS, Electric Lift Augmenting Slats [47]

Design Analysis & Research Corporation
910 East 29th
Lawrence, KS 66046
Willem Anemaat (785) 832-0434

Regents of the University of Michigan
3003 South State Street  
Ann Arbor, MI 48109  
20-1-T15.04-5958 AFRC

Open Source Distributed Electric Propulsion MDAO Tool [48]

Giner, Inc.  
89 Rumford Avenue  
Newton, MA 2466  
Cortney Mittelsteadt (781) 529-0529

Worcester Polytechnic Institute  
100 Institute Road  
Worcester, MA 50883  
20-1-T15.03-5033 GRC

Enabling High Energy Density Li-ion Battery Using Solid Electrolytes [49]

Intelligent Automation, Inc.  
15400 Calhoun Drive, Suite 190  
Rockville, MD 20855  
Mark James (301) 294-5221

Stanford University  
450 Serra Mall  
Palo Alto, CA 94304  
20-1-T15.04-5315 AFRC

Integrated Vehicle-Propulsion-Control Design for DEP-Enabled Aircraft (IDEA) [50]

Research in Flight  
1919 North Ashe Court  
Auburn, AL 36830  
Roy Hartfield (334) 444-8523

Auburn University  
23 Samford Hall  
Auburn, AL 36849
Focus Area 23 Digital Transformation for Aerospace (6)

CTEN Global Strategies, LLC
8415 Southwest 28th Place
Gainesville, FL 32608
Cason Chatham (770) 633-9169

Kennesaw State University
1000 Chastain Road
Kennesaw, GA 30144
20-1-T11.03-6333 GSFC

Hedera Hashgraph based Distributed Ledger for Aerospace Applications [52]

Docugami, Inc.
3500 South Dupont Highway
Dover, DE 19901
Sandy Moritz (425) 968-2380

Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 2139
20-1-T11.04-6527 LaRC

Next Generation AI-Based Assisted Document Authoring, Recommendation and Understanding [53]

Orbit Logic, Inc.
7852 Walker Drive
Greenbelt, MD 20770
Ella Herz (301) 982-6234

Fraunhofer Center for Experimental Software Engineering
5700 Rivertech Court, Suite 210
Riverdale, MD 20737
20-1-T11.03-6321 MSFC

**SCRAMBL (Space Communication Reconstruction and Mapping with Blockchain Ledging)** [54]

**Prewitt Ridge, Inc.**
1610 West 7th Street, Unit 501
Los Angeles, CA 90017
Steven Massey (314) 591-7618

**University of New Mexico-Main Campus**
1700 Lomas Boulevard Northeast
Albuquerque, NM 87131
20-1-T11.03-6433 MSFC

**Trusted Working Copies for Distributed Systems Engineering** [55]

**Soar Technology, Inc.**
3600 Green Court, Suite 600
Ann Arbor, MI 48105
Lindsay Bayles (734) 887-7609

**Georgia Tech Research Institute (GTRI)**
205 14th Street Northwest
Atlanta, GA 30318
20-1-T11.04-4665 LaRC

**Ada Phase I** [56]

**Systems and Proposal Engineering Company (dba SPEC Innovations)**
10440 Balls Ford Road, Suite 230
Manassas, DE 20109
Steven Dam (540) 272-0013

**George Mason University**
4400 University Drive
Fairfax, VA 22030
20-1-T11.04-5376 LaRC

**Analytic Standard Operating Procedure Digital Assistant (ASOPDA)** [57]
• **Focus Area NASA SBIR 2017 Phase I Solicitation (1)**
  
  Geisel Software, Inc.
  67 Millbrook Street
  Worcester, MA 1606
  Brian Geisel (508) 936-5099

  UNLV
  4505 South Maryland Parkway
  Las Vegas, NV 89154
  20-1-T4.03-6090 JPL

  [Robot Simulation Platform for Source Search and Mapping](#) [58]

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