



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

- [Advanced Design Tools for Electrosail Propulsion Systems](#) [2]

- **VRC Metal Systems**

- 600 North Ellsworth Road

- Box Elder , SD 57719

- Terree Matson McCoy (605) 716-0061

South Dakota School of Mines and Technology

501 East Saint Joseph Street

Rapid City, SD 57701

20-1-T2.04-6822 MSFC

[Additive Manufacturing by High-Pressure Cold Spray](#) [3]

• **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

[Autonomous In-space Assembly of Modular Structures](#) [4]

Interstel Technologies, Inc.

91-1036 Wailikahi 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

[Cooperative Control and Localization of Multiple Spacecraft using a Multi-Agent Mission Operations System](#) [5]

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

[IN-PASS: Intelligent Navigation, Planning, and Autonomy for Swarm Systems](#) [6]

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

University of Colorado Boulder

1111 Engineering Drive

Boulder, CO 80309

20-1-T4.04-5250 KSC

[Autonomous Payload Operations on the Lunar Gateway](#) [9]

Stottler Henke Associates, Inc.

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402

Nate Henke (650) 931-2719

Montana State University

Office of Sponsored Programs, PO Box 172470

Bozeman, MT 59717

20-1-T4.04-5249 ARC

[Gateway Management through Adaptive, Autonomous, Fault Identification & Diagnosis and Reconfiguration/Replanning/Rescheduling Optimization](#) [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

[Robust Visual Perception Techniques for Intelligent and Adaptive Space Robotics](#) [11]

TRAC Labs, 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

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](#) [20]

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](#) [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 Chillydown 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**

- 438 Whitney Road Extension, U-1133

Storrs, CT 6269

20-1-T2.05-5203 GRC

[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

San Marcos, TX 78666

20-1-T12.05-5304 JSC

[Additive Manufacturing \(AM\) of Thermal Protection Systems \(TPSs\) Using Pre ceramic Polymer Resin](#) [42]

Vistex Composites, LLC

11 Opus Boulevard, Suite B

Schenectady, NY 12306

Jaron Koppers (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

Auburn, AL 36849

20-1-T13.01-5309 SSC

[Intelligent Sensor Systems for Rocket Propulsion Testing](#) [45]

- **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

20-1-T15.04-4887 AFRC

[Early-Design Aeroacoustics Prediction for Distributed Electric Propulsion Vehicles using FlightStream](#) [51]

- **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 \(Space Communication Reconstruction and Mapping with Blockchain Ledgering\)](#) [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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