Proposals Selected for Negotiation of Contracts

- **Alabama A&M University**
  4900 Meridian Street North
  Huntsville, AL 35811

  **Streamline Automation, LLC**
  3100 Fresh Way Southwest
  Huntsville, AL 35805
  Alton Reich (256) 713-1220
  20-1-T6.05-5155 LaRC
  Testing of COTS Systems in Space Radiation Environments [1]

- **Arizona State University**
  699 South Mill Avenue
  Tempe, AZ 85281

  **Alphacore, Inc.**
  304 South Rockford Drive
  Tempe, AZ 85281
  Andrew Levy (503) 320-5466
  20-1-T8.04-5368 GSFC
  Metamaterials [2]

- **Arizona State University**
  699 South Mill Avenue
  Tempe, AZ 85281

  **Cactus Materials**
  7700 South River Parkway
Chandler, AZ 85284

Mohammed Rafiqul Islam (480) 213-4704

20-1-T6.06-5608 JSC

Long Term Uses of Potable Water Containing Silver Disinfectant in High Surface to Volume Ratio Metallic Surfaces [3]

• Auburn University

23 Samford Hall

Auburn, AL 36849

Research in Flight

1919 North Ashe Court

Auburn, AL 36830

Roy Hartfield (334) 444-8523

20-1-T15.04-4887 AFRC


• Auburn University

23 Samford Hall

Auburn, AL 36849

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 1810

B. David Green (978) 689-0003

20-1-T13.01-5309 SSC


• Board of Trustees of the University of Illinois (at Urbana-Champaign)

1901 South First Street, Suite A

Champaign, IL 61820

Physical Sciences, Inc.

20 New England Business Center
Andover, MA 1810
B. David Green (978) 689-0003
20-1-T5.04-5470 GRC


- **California State University-Northridge**
  18111 Nordhoff Street
  Northridge, CA 91330

  **Rocket Studios**
  16037 Bassett Street
  Lake Balboa, CA 91406
  Daniel Sinor (310) 990-5079
  20-1-T4.03-6408 JPL

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

- **Carnegie Mellon University**
  5000 Forbes Avenue
  Pittsburgh, PA 15213

  **Edge Case Research, Inc.**
  3485 Butler Street
  Pittsburgh, PA 15201
  Brendon Ouimette (412) 455-5444
  20-1-T4.01-6224 ARC

  Robust Visual Perception Techniques for Intelligent and Adaptive Space Robotics [8]

- **Cornell University**
  410 Thurston Avenue
  Ithaca, NY

  **Aegis Technology, Inc.**
  12630 Westminster Avenue, Suite G
  Santa Ana, CA 92706
timothy lin (714) 554-5511
20-1-T15.03-5735 GRC

**Solid-State Lithium-ion Batteries for Electrified Aircraft Propulsion Energy Storage** [9]

- **Curators of the University of Missouri on Behalf of UMSL**
  One University Boulevard
  St. Louis, MO 63121

  **SPEC Sensors LLC**
  8430 Central Avenue
  Newark, CA 94560
  David Peaslee (510) 574-8300
  20-1-T4.04-5080 ARC

  **Autonomous Environmental Monitoring and Management Platform for Remote Habitats** [10]

- **Fraunhofer Center for Experimental Software Engineering**
  5700 Rivertech Court, Suite 210
  Riverdale, MD 20737

  **Orbit Logic, Inc.**
  7852 Walker Drive
  Greenbelt, MD 20770
  Ella Herz (301) 982-6234
  20-1-T11.03-6321 MSFC

  **SCRAMBL (Space Communication Reconstruction and Mapping with BlockchainLedgering)** [11]

- **George Mason University**
  4400 University Drive
  Fairfax, VA 22030

  **Systems and Proposal Engineering Company (dba SPEC Innovations)**
  10440 Balls Ford Road, Suite 230
  Manassas, DE 20109
Steven Dam (540) 272-0013
20-1-T11.04-5376 LaRC

Analytic Standard Operating Procedure Digital Assistant (ASOPDA) [12]

- Georgia Tech Research Institute (GTRI)
  205 14th Street Northwest
  Atlanta, GA 30318

  Soar Technology, Inc.
  3600 Green Court, Suite 600
  Ann Arbor, MI 48105
  Lindsay Bayles (734) 887-7609
  20-1-T11.04-4665 LaRC

  Ada Phase I [13]

- Georgia Tech Research Institute (GTRI)
  250 14th Street Northwest
  Atlanta, GA 30318

  TDA Research, Inc.
  12345 West 52nd Avenue
  Wheat Ridge, CO 80033
  John D. Wright (303) 940-2347
  20-1-T2.05-5396 GRC

  A New Oxygen Recovery Process to Reduce Waste from Propellant Tanks [14]

- Johns Hopkins University Applied Physics Laboratory LLC
  11100 Johns Hopkins Road
  Laurel, MD 21044

  TRACLabs, Inc.
  100 North East Loop 410, Suite 520
  San Antonio, TX 78216
  David Kortenkamp (281) 461-7886
20-1-T4.01-5037 ARC

Integrating ROS 2 with the Core Flight System [15]

- Kennesaw State University
  1000 Chastain Road
  Kennesaw, GA 30144

  CTEN Global Strategies, LLC
  8415 Southwest 28th Place
  Gainesville, FL 32608
  Cason Chatham (770) 633-9169
  20-1-T11.03-6333 GSFC

  Hedera Hashgraph based Distributed Ledger for Aerospace Applications [16]

- Massachusetts Institute of Technology
  77 Massachusetts Avenue
  Cambridge, MA 2139

  Docugami, Inc.
  3500 South Dupont Highway
  Dover, DE 19901
  Sandy Moritz (425) 968-2380
  20-1-T11.04-6527 LaRC

  Next Generation AI-Based Assisted Document Authoring, Recommendation and Understanding [17]

- Massachusetts Institute of Technology
  77 Massachusetts Avenue
  Cambridge, MA 2139

  Little Prairie Services
  14 Dunkin Road
  Edgewood, NM 87015
  Roger Lenard (505) 220-8029
• **Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge, MA 2139

**ADVR, Inc.**

2310 University Way, Building 1-1

Bozeman, MT 59715

Betsy Heckel (406) 522-0388

20-1-T5.04-5429 GRC

[High-purity, high-rate, photon pair source for space-based entanglement distribution](#) [19]

• **Montana State University**

Office of Sponsored Programs, PO Box 172470

Bozeman, MT 59717

**Stottler Henke Associates, Inc.**

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402

Nate Henke (650) 931-2719

20-1-T4.04-5249 ARC

[Gateway Management through Adaptive, Autonomous, Fault Identification & Diagnosis and Reconfiguration/Replanning/Rescheduling Optimization](#) [20]

• **New Mexico State University-Dona Ana**

1780 East University Avenue

Las Cruces, NM 88003

**Formalloy Technologies, Inc.**

2830 Via Orange Way, Suite H

Spring Valley, CA 91978

Melanie Lang (619) 377-9101
Data-Driven Modeling of Directed Energy Deposition (DED) for Defect-Free Builds using Real-Time Monitoring Approaches [21]

- Northwestern University
  633 Clark Street
  Evanston, IL 60208

QuesTek Innovations, LLC
  1820 Ridge Avenue
  Evanston, IL 60201
  Kevin Creely (847) 425-8226
  20-1-T12.06-5463 JPL
  Improved Part-Scale Modeling of Additive Manufacturing Processes [22]

- Oregon State University
  153 Gilbert Hall
  Corvallis, OR 97331

Nanovox, LLC
  15985 Northwest Schendel Avenue, Suite 201
  Beaverton, OR 97006
  Debra Ozuna (503) 260-6869
  20-1-T12.05-6182 JSC
  Additive-Manufactured Ablative Thermal Protection Systems [23]

- Oregon State University
  153 Gilbert Hall
  Corvallis, OR 97331

CubCrafters Inc.
  1918 South 16th Avenue
  Yakma, WA 98903
  Pat Horgan (509) 895-9465
• **Regents of the University of Michigan**
  3003 South State Street
  Ann Arbor, MI 48109

  **Design Analysis & Research Corporation**
  910 East 29th
  Lawrence, KS 66046
  Willem Anemaat (785) 832-0434
  20-1-T15.04-5958 AFRC
  [Open Source Distributed Electric Propulsion MDAO Tool](#) [25]

• **South Dakota School of Mines and Technology**
  501 East Saint Joseph Street
  Rapid City, SD 57701

  **VRC Metal Systems**
  600 North Ellsworth Road
  Box Elder, SD 57719
  Terree Matson McCoy (605) 716-0061
  20-1-T2.04-6822 MSFC
  [Additive Manufacturing by High-Pressure Cold Spray](#) [26]

• **Southwest Research Institute**
  6220 Culebra Road
  San Antonio, TX 78238

  **Elder Research, Inc.**
  300 West Main Street, Suite 301
  Charlottesville, VA 22903
  William Goodrum (434) 973-7673
  20-1-T12.06-4917 JPL
RAMBO: Rapid Additive Manufacturing Build Outcomes [27]

- **Southwest Research Institute**
  6220 Culebra Road
  San Antonio, TX 78238

**Southwest Sciences, Inc.**
1570 Pacheco Street, Suite E-11
Santa Fe, NM 87505
Alan Stanton (505) 984-1322
20-1-T6.07-5408 KSC

Real Time Ethylene Monitor for Plant Growth Management [28]

- **Stanford University**
  450 Serra Mall
  Palo Alto, CA 94304

**Particle Matters, Inc.**
2324 Venndale Avenue
San Jose, CA 95124
Sergey Gimelshein (818) 527-5432
20-1-T2.04-5261 MSFC

Advanced Design Tools for Electrosail Propulsion Systems [29]

- **Stanford University**
  450 Serra Mall
  Palo Alto, CA 94304

**Intelligent Automation, Inc.**
15400 Calhoun Drive, Suite 190
Rockville, MD 20855
Mark James (301) 294-5221
20-1-T15.04-5315 AFRC
**Integrated Vehicle-Propulsion-Control Design for DEP-Enabled Aircraft (IDEA)** [30]

- **Texas A&M Engineering Experiment Station**
  7607 Eastmark Drive
  College Station, TX 77840

  **ATSP Innovations**
  60 Hazelwood Drive
  Champaign, IL 61820
  Jacob Meyer (217) 778-4400
  20-1-T12.01-4984 LaRC

  **Creep-Resistant Aromatic Polyester Thermosets for Thin-Ply Composites** [31]

- **Texas State University**
  601 University Drive
  San Marcos, TX 78666

  **Texas Research Institute Austin, Inc.**
  9063 Bee Caves Road
  Austin, TX 78733
  Megan Lietha (512) 615-4444
  20-1-T12.05-5304 JSC

  **Additive Manufacturing (AM) of Thermal Protection Systems (TPSs) Using Preceramic Polymer Resin** [32]

- **The University of Southern Mississippi**
  118 College Drive, Box #5157
  Hattiesburg, MS 39406

  **Geocent, LLC**
  111 Veterans Boulevard, Suite 1600
  Metairie, LA 70005
  Jeff Tomeny (504) 831-1900
  20-1-T13.01-5600 SSC

  **Intelligent Sensor Systems - 2020** [33]
The University of Texas at Dallas
800 West Campbell Road
Richardson, TX 75080

Nanohmics, Inc.
6201 East Oltorf Street, Suite 400
Austin, TX 78741
Mike Mayo (512) 389-9990
20-1-T8.06-5681 GSFC
On-Demand Single-Photon Sources for Correlated Calibration of Single Photon Detectors [34]

Union College
807 Union Street
Schenectady, NY 12308

Vistex Composites, LLC
11 Opus Boulevard, Suite B
Schenectady, NY 12306
Jaron Kuppers (508) 340-7873
20-1-T12.01-6578 LaRC
OOA Process for Manufacture of Large Thin Gauge Composites [35]

University of California - Santa Barbara
Office of Research - 3227 Cheadle Hall
Santa Barbara, CA 93106

Amethyst Research, Inc.
123 Case Circle
Ardmore, OK 73401
Robert Kuester (580) 657-2575
20-1-T5.04-6397 GRC
Ultra-Efficient Integrated Photonic Quantum Transceiver for High-Speed Quantum Communications [36]
• University of Central Florida
  4000 Central Florida Boulevard
  Orlando, FL 32816

  AnalySwift
  5413 Crus Corvi Road
  West Jordan, UT 84081
  Allan Wood (801) 599-5879
  20-1-T12.01-5412 LaRC

  Modeling Nonlinear Viscoelasticity and Time-Dependent Yielding of Thin-Ply Composites [37]

• University of Colorado Boulder
  1111 Engineering Drive
  Boulder, CO 80309

  Orbit Logic, Inc.
  7852 Walker Drive
  Greenbelt, MD 20770
  Ella Herz (301) 982-6234
  20-1-T4.03-5760 JPL

  IN-PASS: Intelligent Navigation, Planning, and Autonomy for Swarm Systems [38]

• University of Colorado Boulder
  1111 Engineering Drive
  Boulder, CO 80309

  Stottler Henke Associates, Inc.
  1650 South Amphlett Boulevard, Suite 300
  San Mateo, CA 94402
  Nate Henke (650) 931-2719
  20-1-T4.04-5250 KSC

  Autonomous Payload Operations on the Lunar Gateway [39]
- **University of Connecticut**
  
  438 Whitney Road Extension, U-1133
  
  Storrs, CT 6269

  **Precision Combustion, Inc.**
  
  410 Sackett Point Road
  
  North Haven, CT 6473
  
  Anthony Anderson (203) 287-3700
  
  20-1-T2.05-5203 GRC

  *Pressure and Low Temperature Tolerant, High Current Density Solid Electrolyte for Propellant Grade Reactants* [40]

- **University of Connecticut**
  
  438 Whitney Road Extension, U-1133
  
  Storrs, CT 6269

  **Combustion Research and Flow Technology**
  
  6210 Keller's Church Road
  
  Pipersville, PA 18947
  
  Neeraj Sinha (215) 766-1520
  
  20-1-T2.05-4812 GRC

  *Design of Spray Cooling Systems for Chilldown of Propellant Tanks* [41]

- **University of Dayton**
  
  300 College Park
  
  Dayton, OH 45469

  **Applied Optimization, Inc.**
  
  3040 Presidential Drive, Suite 100
  
  Fairborn, OH 45324
  
  Barbara Krivian (937) 431-5100
  
  20-1-T8.04-6260 JPL

  *Tunable, Reconfigurable Metamaterials Using Liquid Crystal Medium* [42]
• University of Delaware
  210 South College Avenue
  Newark, DE 19716

  **KAI, Inc.**
  6402 Needham Lane
  Austin, TX 78739
  Penelope Koo (512) 301-4170
  20-1-T12.05-4930 JSC

  *Additive Manufacturing of Continuous Carbon Fiber Reinforced Phthalonitriles for Thermal Protection* [43]

• University of Hawaii
  2440 Campus Road, Box 368
  Honolulu, HI 96822

  **Interstel Technologies, Inc.**
  91-1036 Waiilikahi Street
  Ewa Beach, HI 96706
  Miguel Nunes (808) 388-1176
  20-1-T4.03-5557 JPL

  *Cooperative Control and Localization of Multiple Spacecraft using a Multi-Agent Mission Operations System* [44]

• University of Hawaii at Manoa
  2500 Campus Road
  Honolulu, HI 96822

  **Goodman Technologies, LLC**
  9551 Giddings Avenue Northeast
  Albuquerque, NM 87109
  William Goodman (505) 400-8169
  20-1-T12.05-5275 JSC

  *Moldable and Curable Silicon Carbide Prepreg For Hypersonic Thermal Protection Systems* [45]
• University of Illinois at Urbana-Champaign
  1901 South First Street, Suite A
  Champaign, IL 61820

  ADVR, Inc.
  2310 University Way, Building 1-1
  Bozeman, MT 59715
  Betsy Heckel (406) 522-0388
  20-1-T8.06-5430 GSFC

  Tunable Narrow-Band Bi-Photon Source in IR Spectral Region for Calibration of High-Performance Transition-Edge Sensors [46]

• University of New Mexico-Main Campus
  1700 Lomas Boulevard Northeast
  Albuquerque, NM 87131

  Prewitt Ridge, Inc.
  1610 West 7th Street, Unit 501
  Los Angeles, CA 90017
  Steven Massey (314) 591-7618
  20-1-T11.03-6433 MSFC

  Trusted Working Copies for Distributed Systems Engineering [47]

• University of Puerto Rico
  14, 2534 Avenue Universidad Suite 1401
  San Juan, PR 925

  TDA Research, Inc.
  12345 West 52nd Avenue
  Wheat Ridge, CO 80033
  John D. Wright (303) 940-2347
  20-1-T6.06-5500 JSC

  High Capacity Sorbents for Removal of Problematic Contaminants from Processed Wastewater [48]
• University of Tennessee Space Institute
  411 B.H. Goethert Parkway
  Tullahoma, TN 37388

  Gloyer-Taylor Laboratories, LLC
  112 Mitchell Boulevard
  Tullahoma, TN 37388
  Paul Gloyer (931) 455-7333
  20-1-T2.05-4862 GRC

  Standards for Impure Propellants [49]

• University of Utah
  201 Presidents Circle, Room 201
  Salt Lake City, UT 84102

  Innosense, LLC
  2531 West 237th Street, Suite 127
  Torrance, CA 90505
  Kisholoy Goswami (310) 530-2011
  20-1-T6.07-5335 KSC

  In-Space Plant Nutrient: Acicular Surface Modified Polymers for Aiding Faceted Sodium Chloride Separation from Urine [50]

• University of Washington
  4333 Brooklyn Avenue Northeast, Box 359472
  Seattle, WA 98195

  Convergent Manufacturing Technologies US
  1101 North Northlake Way, Suite 200
  Seattle, WA 98103
  Brian Coxon (206) 434-1976
  20-1-T12.01-4586 LaRC

  Process Simulation & Optimization for Thin-Ply Composites [51]
• UNLV
  4505 South Maryland Parkway
  Las Vegas, NV 89154

  Geisel Software, Inc.
  67 Millbrook Street
  Worcester, MA 1606
  Brian Geisel (508) 936-5099
  20-1-T4.03-6090 JPL

  Robot Simulation Platform for Source Search and Mapping [52]

• Vanderbilt University
  2101 West End Avenue
  Nashville, TN 37235

  Busek Company, Inc.
  11 Tech Circle
  Natick, MA 1760
  Judy Budny (508) 655-5565
  20-1-T6.05-6533 LaRC

  Radiation Modeling of COTS Power Converters in a Highly Shield Space Environment [53]

• Virginia Tech
  925 Prices Fork Road
  Blacksburg, VA 24061

  Altius Space Machines, Inc.
  3001 Industrial Lane, Unit #5
  Broomfield, CO 80020
  Jonathan Goff (801) 362-2310
  20-1-T4.03-5435 JPL

  Autonomous In-space Assembly of Modular Structures [54]

• Western Kentucky University
Adelphi Technology, LLC
2413 Nashville Road, Suite B8
Bowling Green, KY 42101
Charles Gary (650) 575-4555
20-1-T6.07-5715 KSC

Compact Ethylene Monitor for NASA Space Missions [55]

Wichita State University
1845 N. Fairmount
Wichita, KS 67260

Electro Magnetic Applications
7655 West Mississippi Avenue, Suite 300
Lakewood, CO 80226
Emily Hennerberg (720) 974-1215
20-1-T5.03-5050 KSC

Numerical Simulation of Fields in Cavities with Detailed Antenna Modeling [56]

Worcester Polytechnic Institute
100 Institute Road
Worcester, MA 50883

Giner, Inc.
89 Rumford Avenue
Newton, MA 2466
Cortney Mittelsteadt (781) 529-0529
20-1-T15.03-5033 GRC

Enabling High Energy Density Li-ion Battery Using Solid Electrolytes [57]

Yale University
206 Elm Street
New Haven, CT 6520

**Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90505

Kisholoy Goswami (310) 530-2011

20-1-T6.06-4928 JSC

[Nanomaterials Based In-Line Sensor for Ionic Silver in Spacecraft Potable Water Systems](#) [58]

[Return to Top]
[Return to NASA STTR 2020 Phase I Solicitation Selections] [59]