



## 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

[Early-Design Aeroacoustics Prediction for Distributed Electric Propulsion Vehicles using FlightStream](#) [4]

- **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

[Intelligent Sensor Systems for Rocket Propulsion Testing](#) [5]

- **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

[Doppler-Compensated Integrated Photonic Time-Bin Entanglement Transceiver](#) [6]

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

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](#) [13]

- **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](#) [14]

- **Johns Hopkins University Applied Physics Laboratory LLC**

11100 Johns Hopkins Road

Laurel, MD 21044

**TRAC Labs, 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

20-1-T2.04-6118 MSFC

[NTR Fuel Testing in MIT Reactor Facilities](#) [18]

- **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

20-1-T12.06-6599 JPL

[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

- **CubCrafters Inc.**

1918 South 16th Avenue

Yakma, WA 98903

Pat Horgan (509) 895-9465

20-1-T15.04-5017 AFRC

[ELAS, Electric Lift Augmenting Slats](#) [23]

- **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](#) [24]

- **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 Koppers (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**

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1906 College Heights Boulevard

Bowling Green, KY 42101

**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]

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