Proposals Selected for Negotiation of Contracts

Expand All

- **Alabama (4)**

  **CFD Research Corporation**
  6820 Moquin Drive NorthWest
  Huntsville, AL 35806
  Silvia Harvey (256) 715-6918

  **University of Dayton Research Institute**
  300 College Park
  Dayton, OH 45469
  22-1-T12.07-1523 LaRC
  [Design and Optimization Toolkit for Advanced Tailorable Composites](#) [1]

  **CFD Research Corporation**
  6820 Moquin Drive NorthWest
  Huntsville, AL 35806
  Silvia Harvey (256) 715-6918

  **University of Washington**
  4333 Brooklyn Avenue Northeast, Box 359472
  Seattle, WA 98195
  22-1-T8.07-1524 GSFC
  [Programmable Photonic Integrated Circuits (PICs) for Radio Frequency (RF) applications](#) [2]

  **Nexolve Holding Company, LLC**
  290 Dunlop Boulevard, Southwest, Suite 200
  Huntsville, AL 35824
  Paul DuPre (256) 836-7785
Utah State University
1415 Old Main Hill, Room 64
Logan, UT 84322
22-1-T5.05-1391 MSFC
Embedded Sail Antenna Technology [3]

SSS Optical Technologies, LLC
515 Sparkman Drive, Suite 122
Huntsville, AL 35816
Sergey Sarkisov (256) 489-0081

Oakwood University
7000 Adventist Boulevard NorthWest
Huntsville, AL
22-1-T5.05-2115 MSFC
UV stable coating for sail-embedded PV power [4]

Arizona (3)

Alphacore, Inc.
304 South Rockford Drive
Tempe, AZ 85281
Esko Mikkola (480) 494-5618

Arizona State University-Polytechnic
P.O. Box 876011
Tempe, AZ 85287
22-1-T4.01-2229 ARC

Alphacore, Inc.
304 South Rockford Drive
Tempe, AZ 85281
Esko Mikkola (480) 494-5618
Arizona State University-Tempe
University Drive and Mill Avenue
Tempe, AZ 85281
22-1-T13.01-2230 SSC


Paragon Space Development Corporation
3481 East Michigan Street
Tucson, AZ 85714
Joel Johnson (520) 382-4854

North Carolina State University at Raleigh
2701 Sullivan Drive
Raleigh, NC 27695
22-1-T6.08-1881 JSC

Spacesuit Cover against the Abrasive Lunar Environment (SCALE) & eXploration Textile for high Oxygen eNvironments (xTON) [7]

California (8)

Cislune Company
301 North Almansor Street
Alhambra, CA 91801
Erik Franks (661) 390-1060

The University of Central Florida Board of Trustees
70 Washington Square South
Orlando, FL 32826
22-1-T7.04-1066 KSC

Cislune Regolith Pathways and Landing Pads [8]

Contour Crafting Corporation
215 South Douglas Street
El Segundo, CA 90245
Behrokh Khoshnevis (310) 430-5255
University of Southern California
3720 South Flower Street, 3rd Floor
Los Angeles, CA 90089
22-1-T7.04-1162 KSC

Novel Payload Conveyance System - Demonstration in Planetary Berm Construction [9]

Empirical Systems Aerospace, Inc.
3580 Sueldo Street
San Luis Obispo, CA 93401
Andrew Gibson (805) 704-1865

Cal Poly Corporation
500 Lincoln Drive
San Luis Obispo, CA 93407
22-1-T15.04-1855 AFRC

Wind Tunnel and Flight Testing of Scalable Modular Aerial Research Testbed [10]

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

Rector & Visitors of the University of Virginia
PO Box 400195
Charlottesville, VA 22904
22-1-T14.01-1651 GRC


L’Garde, Inc.
15181 Woodlawn Avenue
Tustin, CA 92780
Larry Beebe (714) 259-0771

University of North Texas
1155 Union Circle #305250
Denton, TX 76203
22-1-T12.07-1295 LaRC

**Design Tool for Highly Accurate Shape and Structural Evaluation of Space Antennas and Structures made with Tailorable Composites - SMART** [12]

**M4 Engineering, Inc.**
4020 Long Beach Boulevard
Long Beach, CA 90807
Kevin Roughen (562) 981-7797

**Virginia Tech**
345 Goodwin Hall
Blacksburg, VA 24061
22-1-T12.07-2715 LaRC

**Topology Optimization for Design of Highly Tailored Composites for AFP Manufacturing** [13]

**Space Villages Inc.**
1044 Alderbrook Lane
San Jose, CA 95129
Adolfo Nemirovsky (408) 772-8063

**New York University**
70 Washington Square South
New York, NY
22-1-T11.06-2171 JSC

**Hyperrealistic, precise position, multi-astronaut training with XR Redirected Walking** [14]

**Wayfarer Aircraft Research and Development**
8505 Rockledge Road
La Mesa, CA 91941
Byron Ward (619) 841-2359

**Embry-Riddle Aeronautical University-Daytona Beach**
600 S Clyde Morris Boulevard
Daytona Beach, FL
22-1-T15.04-1048 AFRC

Integrated High Lift Propulsor [15]

- **Colorado (2)**

  **Lunar Outpost, Inc.**
  17700 South Golden Road, Unit 102
  Golden, CO 80401
  Justin Cyrus (908) 577-4014

  **Michigan Technological University**
  103 Allen Building
  Houghton, MI

  22-1-T7.04-2186 KSC

  Design and Implementation Tools for Lunar Surface Regolith Structure Construction [16]

  **Opterus Research and Development, Inc.**
  815 14th Street SouthWest, Suite C200
  Loveland, CO 80537
  Thomas Murphey (505) 250-3006

  **Regents of the University of Colorado**
  3100 Marine Street
  Boulder, CO 80303

  22-1-T5.05-2204 MSFC

  Solar Sail Tubular Mast [17]

- **Delaware (2)**

  **Phase Sensitive Innovations, Inc.**
  116 Sandy Drive
  Newark, DE 19713
  Ahmed Sharkawy (302) 898-5544

  **University of Delaware**
Northern Boulevard
Newark, DE 19716
22-1-T8.07-2014 GRC

Electro-Optic Photonic Integrated Circuits in Thin Lithium Niobate [18]

STF Technologies, LLC
18 Shea Way Suite 101-102
Newark, DE 19713
Richard Dombrowski (716) 799-5935

University of Delaware
Northern Boulevard
Newark, DE 19716
22-1-T6.08-1716 JSC

Multi-Functional Environmental Protection Garment Shell Textile for Extreme Surface Environments [19]

- District of Columbia (1)
  Ten One Aerospace LLC
  1012 10th Street NorthEast
  Washington, DC 20002
  Christopher Roscoe (202) 964-3668

  Board of Trustees of the University of Illinois (at Urbana-Champaign)
  3400 North Charles Street
  Champaign, IL 61820
  22-1-T10.03-1349 JPL

  Assembly of Large Aperture Space Telescopes in Cislunar Space Using a Swarm of Autonomous Small Satellites [20]

- Florida (3)
  Buendea, LLC.
  24 Sw 22nd Road
  Miami, FL 33129
Julian Reyes (305) 510-7868

**University of Central Florida**
4000 Central Florida Boulevard
Orlando, FL
22-1-T11.06-2113 JSC

[Real-Time and Cloud-based Simulation Processing for Digital Twin Environments][21]

**Interdisciplinary Consulting Corporation**
5745 Southwest 75th Street, #364
Gainesville, FL 32608
Deontae Lafayette (407) 697-3697

**University of Florida**
600 S Clyde Morris Boulevard
Gainesville, FL 32611
22-1-T13.01-1499 SSC

[WiRA - Wireless Instrumentation for Rocket Applications][22]

**NYRAD, Inc**
274 East Eau Gallie Boulevard, Suite 140
Indian Harbour Beach, FL 32938
Rhonda Lyons (321) 482-4944

**Florida Institute of Technology**
150 West University Boulevard
Melbourne, FL
22-1-T10.05-2368 LaRC

[The Exploration Medical Ecosystem Design Infrastructure (ExMEDI): system to build trust within Cyber-Physical-Human (CPH) teams][23]

**Indiana (1)**

**AnalySwift**
444 Jennings Street
West Lafayette, IN 47906
Allan Wood (801) 599-5879

**Purdue University - Main Campus**
155 South Grant Street
West Lafayette, IN 47907
22-1-T12.07-1417 LaRC

[Tool for Thermomechanical Design of Tailorable Composites and Hybrid Material Systems](#) [24]

- **Maryland (3)**
  - **Aurora Engineering**
    4 Redbud Court
    Potomac, MD 20854
    Alexander Barrie (814) 441-6410
  - **University of Colorado Boulder**
    70 Washington Square South
    Boulder, CO 80309
    22-1-T10.05-2150 GSFC
    [Module for Event Driven Operations on Spacecraft (MEDOS)](#) [25]
  - **Orbit Logic, Inc.**
    7852 Walker Drive
    Greenbelt, MD 20770
    Ella Herz (301) 982-6234
  - **University of Dayton Research Institute**
    300 College Park
    Dayton, OH 45469
    22-1-T4.01-1810 ARC
    [Microgravity Environment Autonomy for Robotic Spacecraft (MEARS)](#) [26]
  - **X-wave Innovations, Inc.**
    555 Quince Orchard Road, Suite 510
Gaithersburg, MD 20878
Jennifer Duan (301) 200-8368

**New York Institute of Technology**
One Grand Avenue
Old Westbury, NY
22-1-T13.01-2449 SSC

* A Wireless, Thin-Film Surface Acoustic Wave (SAW) Sensor System for Rocket Propulsion Test Applications [27]

- **Massachusetts (2)**
  - **Physical Sciences, Inc.**
    20 New England Business Center
    Andover, MA 01810
    William Marinelli (978) 738-8226

  - **Board of Trustees of the University of Illinois (at Urbana-Champaign)**
    3400 North Charles Street
    Champaign, IL 61820
    22-1-T5.04-1819 GRC

    * Photonic Integrated Circuit Assisted Single Photon Detectors (PICA SPDs) [28]*

  - **Physical Sciences, Inc.**
    20 New England Business Center
    Andover, MA 01810
    William Marinelli (978) 738-8226

  - **Georgia Tech Research Corporation (GTRC)**
    5303
    Atlanta, GA 30318
    22-1-T8.07-1822 GSFC

    * Photonic Integrated Raman Spectrometer (PIRS) [29]*
• Michigan (2)
  MTRI, Inc.
  3600 Green Court, Suite 100
  Ann Arbor, MI 48105
  Gregory Leonard (734) 913-6871

  Michigan Technological University
  103 Allen Building
  Houghton, MI
  22-1-T10.03-1993 JPL
  Tool for Autonomous Terrain Exploration of Remote Space [30]

  sci_zone
  17133 Inavale
  Holland, MI 49424
  Andrew Santangelo (505) 205-8315

  Johns Hopkins University
  3400 North Charles Street
  Baltimore, MD
  22-1-T10.04-1854 ARC
  QuickSAT/SHERLOCK-MD, A System For Autonomous Operations And Health Management of Gateway [31]

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

  The University of California San Diego
  9500 Gilman Drive, Mail Code 0934
  La Jolla, CA 92039
  22-1-T8.06-1605 GSFC
High brightness, waveguide-based IR quantum light sources [32]

- **New York (2)**

  **Air Company Holdings Inc**
  407 Johnson Avenue
  Brooklyn, NY 11206
  Stafford Sheehan (774) 644-4320

  **New York University**
  70 Washington Square South
  New York, NY
  22-1-T7.05-1301 GRC
  
  Single-step production of kerosene-based fuels from carbon dioxide and hydrogen [33]

  **Aktiwave**
  150 Lucius Gordon Drive
  West Henrietta, NY 14586
  Christophe Dorrer (585) 355-2706

  **Rochester Institute of Technology**
  1 Lomb Memorial Drive
  Rochester, NY 14623
  22-1-T8.07-1782 GRC

  Femtosecond Laser Inscription of 3D Waveguide Beam Splitters and Integrated Photonic Circuits for Mid-IR sensing [34]

- **North Carolina (1)**

  **Blue Ridge Research and Consulting**
  29 North Market Street, Suite 700
  Asheville, NC 28801
  Josh Mellon (828) 252-2209

  **The Pennsylvania State University**
110 Technology Building  
University Park, PA 16802  
22-1-T15.04-1263 AFRC  

Full-Scale eVTOL Acoustic Measurements, Modeling, Scaling, and Validation [35]

- Ohio (1)  
  Srico, Inc.  
  2724 Sawbury Boulevard  
  Columbus, OH 43235  
  Andrea Pollick (614) 799-0664  

  Ohio State University-Main Campus  
  190 N. Oval Mall  
  Columbus, OH  
  22-1-T5.04-1093 GSFC  

  Compact Temperature Tolerant Quantum Entangled Light Source [36]

- Pennsylvania (4)  
  Astrobotic Technology, Inc.  
  1016 North Lincoln Avenue  
  Pittsburgh, PA 15233  
  Andrew Horchler (216) 272-3882  

  Carnegie Mellon University  
  5000 Forbes Avenue  
  Pittsburgh, PA 15213  
  22-1-T10.03-2033 JPL  

  Efficient Distributed State Estimation for Swarm Robotics [37]

  Gossamer Space  
  116 Beth Drive  
  Lansdale, PA 19446
Charles West (828) 582-9051

**University of Notre Dame**
400 Main Building
Notre Dame, IN
22-1-T5.05-1029 MSFC

**Testing and Characterization of A Graphene/Polyethylene Nanocomposite for Solar Sail Applications** [38]

**Nokomis, Inc.**
310 5th Street
Charleroi, PA 15022
Thomas Ruschel (724) 747-0703

**Carnegie Mellon University**
5000 Forbes Avenue
Pittsburgh, PA 15213
22-1-T10.04-1383 ARC

**Hiawatha Spacecraft Autonomous System Health (SASH) Management System** [39]

**Protoinnovations, LLC**
100 43rd Street
Pittsburgh, PA 15201
Dimitrios Apostolopoulos (412) 916-8807

**University of Wisconsin-Madison**
500 Lincoln Drive
Madison, WI
22-1-T4.01-2647 ARC

**A Software Framework for Advancing Perception Capabilities for Rovers Operating in Harsh Lunar Environments** [40]

- **Texas (9)**
  
  **Astroport Space Technologies, Inc.**
  110 East Houston Street, 7th Floor
  San Antonio, TX 78205
Sam Ximenes (210) 404-2981

The University of Texas at San Antonio
1644
San Antonio, TX 78249
22-1-T7.04-1851 KSC

Lunar Surface Site Preparation for Landing/Launch Pad and Blast Shield Construction [41]

Diamond Age Technology LLC
15714, Crestbrook Drive
Houston, TX 77059
John Blackwell (512) 470-2817

University of Colorado Boulder
OCG, 3100 Marine Street, Room 481, 572 UCB
Boulder, CO 80303
22-1-T11.06-1681 GSFC

Hyper-realistic Elastically Computed Topologies in Adaptive Reality Environments (HECTARE) [42]

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

Texas State University
601 University Drive
San Marcos, TX 78666
22-1-T5.05-2038 MSFC

Solar Sail Integrated Antenna Technology [43]

Nanohmics, Inc.
6201 East Oltorf Street, Suite 400
Austin, TX 78741
Mike Mayo (512) 389-9990
Duke University
103 Allen Building
Durham, NC 27708
22-1-T10.04-1898 ARC

Demonstration of Space-Qualified Environmental Evaluation Drones with Wireless Intelligent Networked Data Processing (SPEEDWINDs) [44]

Omega Optics, Inc.
8500 Shoal Creek Boulevard, Building 4, Suite 200
Austin, TX 78757
Gloria Chen (512) 996-8833

The University of Texas at Austin
110 Inner Campus Drive
Austin, TX
22-1-T8.07-2594 GSFC

Highly Efficient Atmospheric Gases Detections Using Integrated Vertical Crystal Waveguide Arrays [45]

Systems & Processes Engineering Corporation
4120 Commercial Center Drive, Suite 500
Austin, TX 78744
Natalie Welp (512) 691-8171

University of California - Santa Barbara
7000 Adventist Boulevard NorthWest
Santa Barbara, CA 93106
22-1-T5.04-2446 GRC

Diamond Quantum Memory [46]

Tietronix Software, Inc.
1331 Gemini Avenue, Suite 300
Houston, TX 77058
Sicilia Liranzo (832) 557-1170

University of Houston
212 E. Cullen Building
Houston, TX
22-1-T11.06-2398 JSC

Shared immersive XR Hyper-Realistic Environment for Extravehicular Activity Surface Operations [47]

TRACLabs, Inc.
100 Northeast Interstate 410 Loop #520
San Antonio, TX 78216
David Kortenkamp (281) 461-7886

University of California - Davis
1850 Research Park Drive, Suite 300
Davis, CA 95618
22-1-T4.01-1828 ARC

ROM3SA: Improved Situational Awareness for Remotely Operating Versatile Semi-Autonomous Robot Systems [48]

TRACLabs, Inc.
100 Northeast Interstate 410 Loop #520
San Antonio, TX 78216
David Kortenkamp (281) 461-7886

Texas A&M Engineering Experiment Station
7607 Eastmark Drive
College Station, TX 77840
22-1-T10.04-2569 ARC

Multi-Agent Anomaly Resolution System (MaARS) [49]

- Virginia (3)

  Elder Research, Inc.
  300 West Main Street, Suite 301
  Charlottesville, VA 22903
  William Goodrum (434) 973-7673

  Iowa State University
4000 Central Florida Boulevard
Ames, IA
22-1-T10.05-1152 LaRC

_Uncertainty Quantification of Representations of Unknown Dynamic Systems through Universal Differential Equations_ [50]

**Nanosonic, Inc.**
158 Wheatland Drive
Pembroke, VA 24136
Amanda Moye (540) 626-6266

**Virginia Polytechnic Institute and State University**
300 Turner Street Northwest, Suite 4200
Blacksburg, VA 24061
22-1-T6.08-1473 JSC

_NanoLayered Extruded Textiles for Extreme Surface Environments and High Oxygen Atmospheres_ [51]

**Nanosonic, Inc.**
158 Wheatland Drive
Pembroke, VA 24136
Amanda Moye (540) 626-6266

**Virginia Polytechnic Institute and State University**
300 Turner Street Northwest, Suite 4200
Blacksburg, VA 24061
22-1-T12.07-1475 LaRC

_Design Tools for Lightweight Affordable Hybrid Space Exploration Cryotanks_ [52]

- **Wisconsin (1)**

**Intact Solutions**
345 West Washington Avenue Suite 301
Madison, WI 53703
Mary Freytag (608) 469-7292
University of Delaware
Northern Boulevard
Newark, DE 19716
22-1-T12.07-1654 LaRC

Intact Fiber: An Application Programming Interface for the Design, Simulation, and Optimization of Tow-Steered Composites [53]