



Proposals Selected for Negotiation of Contracts

- **Arizona State University-Polytechnic**

P.O. Box 876011

Tempe, AZ 85287

Alphacore, Inc.

304 South Rockford Drive

Tempe, AZ 85281

Esko Mikkola (480) 494-5618

22-1-T4.01-2229 ARC

[Rad-Hard Adaptive Dual-Mode Event-Based Vision and Perception for Autonomous Robot Operations](#) [1]

- **Arizona State University-Tempe**

University Drive and Mill Avenue

Tempe, AZ 85281

Alphacore, Inc.

304 South Rockford Drive

Tempe, AZ 85281

Esko Mikkola (480) 494-5618

22-1-T13.01-2230 SSC

[Machine-Learning \(ML\) Enabled Reliable Multi-Modal Sensor Operation for Rocket Propulsion Systems](#) [2]

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

3400 North Charles Street

Champaign, IL 61820

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 01810

William Marinelli (978) 738-8226

22-1-T5.04-1819 GRC

[Photonic Integrated Circuit Assisted Single Photon Detectors \(PICA SPDs\)](#) [3]

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

3400 North Charles Street

Champaign, IL 61820

- **Ten One Aerospace LLC**

1012 10th Street NorthEast

Washington, DC 20002

Christopher Roscoe (202) 964-3668

22-1-T10.03-1349 JPL

[Assembly of Large Aperture Space Telescopes in Cislunar Space Using a Swarm of Autonomous Small Satellites](#) [4]

- **Cal Poly Corporation**

500 Lincoln Drive

San Luis Obispo, CA 93407

- **Empirical Systems Aerospace, Inc.**

3580 Sueldo Street

San Luis Obispo, CA 93401

Andrew Gibson (805) 704-1865

22-1-T15.04-1855 AFRC

[Wind Tunnel and Flight Testing of Scalable Modular Aerial Research Testbed](#) [5]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **Nokomis, Inc.**

310 5th Street

Charleroi, PA 15022

Thomas Ruschel (724) 747-0703

22-1-T10.04-1383 ARC

[Hiawatha Spacecraft Autonomous System Health \(SASH\) Management System](#) [6]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **Astrobotic Technology, Inc.**

1016 North Lincoln Avenue

Pittsburgh, PA 15233

Andrew Horchler (216) 272-3882

22-1-T10.03-2033 JPL

[Efficient Distributed State Estimation for Swarm Robotics](#) [7]

- **Duke University**

103 Allen Building

Durham, NC 27708

- **Nanohmics, Inc.**

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Mike Mayo (512) 389-9990

22-1-T10.04-1898 ARC

[Demonstration of Space-Qualified Environmental Evaluation Drones with Wireless Intelligent Networked Data Processing \(SPEEDWINDs\)](#) [8]

- **Embry-Riddle Aeronautical University-Daytona Beach**

600 S Clyde Morris Boulevard

Daytona Beach, FL

- **Wayfarer Aircraft Research and Development**

8505 Rockledge Road

La Mesa, CA 91941

Byron Ward (619) 841-2359

22-1-T15.04-1048 AFRC

[Integrated High Lift Propulsor](#) [9]

- **Florida Institute of Technology**

150 West University Boulevard

Melbourne, FL

NYRAD, Inc

274 East Eau Gallie Boulevard, Suite 140

Indian Harbour Beach , FL 32938

Rhonda Lyons (321) 482-4944

22-1-T10.05-2368 LaRC

[The Exploration Medical Ecosystem Design Infrastructure \(ExMEDl\): system to build trust within Cyber-Physical-Human \(CPH\) teams.](#) [10]

- **Georgia Tech Research Corporation (GTRC)**

5303

Atlanta, GA 30318

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 01810

William Marinelli (978) 738-8226

22-1-T8.07-1822 GSFC

[Photonic Integrated Raman Spectrometer \(PIRS\)](#) [11]

- **Iowa State University**

4000 Central Florida Boulevard

Ames, IA

Elder Research, Inc.

300 West Main Street, Suite 301

Charlottesville, VA 22903

William Goodrum (434) 973-7673

22-1-T10.05-1152 LaRC

[Uncertainty Quantification of Representations of Unknown Dynamic Systems through Universal Differential Equations](#) [12]

- **Johns Hopkins University**

3400 North Charles Street

Baltimore, MD

- **sci_zone**

17133 Inavale

Holland, MI 49424

Andrew Santangelo (505) 205-8315

22-1-T10.04-1854 ARC

[QuickSAT/SHERLOCK-MD, A System For Autonomous Operations And Health Management of Gateway](#) [13]

- **Michigan Technological University**

103 Allen Building

Houghton, MI

- **Lunar Outpost, Inc.**

17700 South Golden Road, Unit 102

Golden, CO 80401

Justin Cyrus (908) 577-4014

22-1-T7.04-2186 KSC

[Design and Implementation Tools for Lunar Surface Regolith Structure Construction](#) [14]

- **Michigan Technological University**

103 Allen Building

Houghton, MI

- **MTRI, Inc.**

3600 Green Court, Suite 100

Ann Arbor, MI 48105

Gregory Leonard (734) 913-6871

22-1-T10.03-1993 JPL

[Tool for Autonomous Terrain Exploration of Remote Space](#) [15]

- **New York Institute of Technology**

One Grand Avenue

Old Westbury, NY

- **X-wave Innovations, Inc.**

555 Quince Orchard Road, Suite 510

Gaithersburg, MD 20878

Jennifer Duan (301) 200-8368

22-1-T13.01-2449 SSC

[A Wireless, Thin-Film Surface Acoustic Wave \(SAW\) Sensor System for Rocket Propulsion Test Applications](#) [16]

- **New York University**

70 Washington Square South

New York, NY

- **Air Company Holdings Inc**

407 Johnson Avenue

Brooklyn, NY 11206

Stafford Sheehan

22-1-T7.05-1301 GRC

[Single-step production of kerosene-based fuels from carbon dioxide and hydrogen](#) [17]

- **New York University**

70 Washington Square South

New York, NY

- **Space Villages Inc.**

1044 Alderbrook Lane

San Jose, CA 95129

Adolfo Nemirovsky (408) 772-8063

22-1-T11.06-2171 JSC

[Hyperrealistic, precise position, multi-astronaut training with XR Redirected Walking](#) [18]

- **North Carolina State University at Raleigh**

2701 Sullivan Drive

Raleigh, NC 27695

- **Paragon Space Development Corporation**

3481 East Michigan Street

Tucson, AZ 85714

Joel Johnson (520) 382-4854

22-1-T6.08-1881 JSC

[Spacesuit Cover against the Abrasive Lunar Environment \(SCALE\) & eXploration Textile for high Oxygen eNvironments \(xTON\)](#) [19]

- **Oakwood University**

7000 Adventist Boulevard NorthWest

Huntsville, AL

- **SSS Optical Technologies, LLC**

515 Sparkman Drive, Suite 122

Huntsville, AL 35816

Sergey Sarkisov (256) 489-0081

22-1-T5.05-2115 MSFC

[UV stable coating for sail-embedded PV power](#) [20]

- **Ohio State University-Main Campus**

190 N. Oval Mall

Columbus, OH

- **Srico, Inc.**

2724 Sawbury Boulevard

Columbus, OH 43235

Andrea Pollick (614) 799-0664

22-1-T5.04-1093 GSFC

[Compact Temperature Tolerant Quantum Entangled Light Source](#) [21]

- **Purdue University - Main Campus**

155 South Grant Street

West Lafayette, IN 47907

- **AnalySwift**

444 Jennings Street

West Lafayette, IN 47906

Allan Wood (801) 599-5879

22-1-T12.07-1417 LaRC

[Tool for Thermomechanical Design of Tailorable Composites and Hybrid Material Systems](#) [22]

- **Rector & Visitors of the University of Virginia**

PO Box 400195

Charlottesville, VA 22904

- **Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90505

Kisholoy Goswami (310) 530-2011

22-1-T14.01-1651 GRC

[Nanomaterials Based in situ Hydrogen Sensor for Oxygen Process Streams](#) [23]

- **Regents of the University of Colorado**

3100 Marine Street

Boulder, CO 80303

- **Opterus Research and Development, Inc.**

815 14th Street SouthWest, Suite C200

Loveland , CO 80537

Thomas Murphey (505) 250-3006

22-1-T5.05-2204 MSFC

[Solar Sail Tubular Mast](#) [24]

- **Rochester Institute of Technology**

1 Lomb Memorial Drive

Rochester, NY 14623

Aktiwave

150 Lucius Gordon Drive

West Henrietta, NY 14586

Christophe Dorrer (585) 355-2706

22-1-T8.07-1782 GRC

[Femtosecond Laser Inscription of 3D Waveguide Beam Splitters and Integrated Photonic Circuits for Mid-IR sensing](#) [25]

- **Texas A&M Engineering Experiment Station**

7607 Eastmark Drive

College Station, TX 77840

TRAC Labs, Inc.

100 Northeast Interstate 410 Loop #520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

22-1-T10.04-2569 ARC

[Multi-Agent Anomaly Resolution System \(MaARS\)](#) [26]

- **Texas State University**

601 University Drive

San Marcos, TX 78666

Nanohmics, Inc.

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Mike Mayo (512) 389-9990

22-1-T5.05-2038 MSFC

[Solar Sail Integrated Antenna Technology](#) [27]

- **The Pennsylvania State University**

110 Technology Building

University Park, PA 16802

- **Blue Ridge Research and Consulting**

29 North Market Street, Suite 700

Asheville, NC 28801

Josh Mellon (828) 252-2209

22-1-T15.04-1263 AFRC

[Full-Scale eVTOL Acoustic Measurements, Modeling, Scaling, and Validation](#) [28]

- **The University of California San Diego**

9500 Gilman Drive, Mail Code 0934

La Jolla, CA 92093

- **ADVR, Inc.**

2310 University Way, Building 1-1

Bozeman, MT 59715

Betsy Heckel (406) 522-0388

22-1-T8.06-1605 GSFC

[High brightness, waveguide-based IR quantum light sources](#) [29]

- **The University of Central Florida Board of Trustees**

70 Washington Square South

Orlando, FL 32826

- **Cislune Company**

301 North Almansor Street

Alhambra, CA 91801

Erik Franks (661) 390-1060

22-1-T7.04-1066 KSC

[Cislune Regolith Pathways and Landing Pads](#) [30]

- **The University of Texas at Austin**

110 Inner Campus Drive

Austin, TX

- **Omega Optics, Inc.**

8500 Shoal Creek Boulevard, Building 4, Suite 200

Austin, TX 78757

Gloria Chen (512) 996-8833

22-1-T8.07-2594 GSFC

[Highly Efficient Atmospheric Gases Detections Using Integrated Vertical Crystal Waveguide Arrays](#) [31]

- **The University of Texas at San Antonio**

1644

San Antonio, TX 78249

- **Astroport Space Technologies, Inc.**

110 East Houston Street, 7th Floor

San Antonio, TX 78205

Sam Ximenes (210) 404-2981

22-1-T7.04-1851 KSC

[Lunar Surface Site Preparation for Landing/Launch Pad and Blast Shield Construction](#) [32]

- **University of California - Davis**

1850 Research Park Drive, Suite 300

Davis, CA 95618

- **TRAC Labs, Inc.**

100 Northeast Interstate 410 Loop #520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

22-1-T4.01-1828 ARC

[ROM3SA: Improved Situational Awareness for Remotely Operating Versatile Semi-Autonomous Robot Systems](#) [33]

- **University of California - Santa Barbara**

7000 Adventist Boulevard NorthWest

Santa Barbara, CA 93106

Systems & Processes Engineering Corporation

4120 Commercial Center Drive, Suite 500

Austin, TX 78744

Natalie Welp (512) 691-8171

22-1-T5.04-2446 GRC

[Diamond Quantum Memory](#) [34]

- **University of Central Florida**

4000 Central Florida Boulevard

Orlando, FL

Buendea,LLC.

24 Sw 22nd Road

Miami, FL 33129

Julian Reyes (305) 510-7868

22-1-T11.06-2113 JSC

[Real-Time and Cloud-based Simulation Processing for Digital Twin Environments](#) [35]

- **University of Colorado Boulder**

OCG, 3100 Marine Street, Room 481, 572 UCB

Boulder, CO 80303

Diamond Age Technology LLC

15714, Crestbrook Drive

Houston, TX 77059

John Blackwell (512) 470-2817

22-1-T11.06-1681 GSFC

[Hyper-realistic Elastically Computed Topologies in Adaptive Reality Environments \(HECTARE\)](#) [36]

- **University of Colorado Boulder**

70 Washington Square South

Boulder, CO 80309

- **Aurora Engineering**

4 Redbud Court

Potomac, MD 20854

Alexander Barrie (814) 441-6410

22-1-T10.05-2150 GSFC

[Module for Event Driven Operations on Spacecraft \(MEDOS\)](#) [37]

- **University of Dayton Research Institute**

300 College Park

Dayton, OH 45469

- **CFD Research Corporation**

6820 Moquin Drive NorthWest

Huntsville, AL 35806

Silvia Harvey (256) 715-6918

22-1-T12.07-1523 LaRC

[Design and Optimization Toolkit for Advanced Tailorable Composites](#) [38]

- **University of Dayton Research Institute**

300 College Park

Dayton, OH 45469

- **Orbit Logic, Inc.**

7852 Walker Drive

Greenbelt, MD 20770

Ella Herz (301) 982-6234

22-1-T4.01-1810 ARC

[Microgravity Environment Autonomy for Robotic Spacecraft \(MEARS\)](#) [39]

- **University of Delaware**

Northern Boulevard

Newark, DE 19716

Phase Sensitive Innovations, Inc.

116 Sandy Drive

Newark, DE 19713

Ahmed Sharkawy (302) 898-5544

22-1-T8.07-2014 GRC

[Electro-Optic Photonic Integrated Circuits in Thin Lithium Niobate](#) [40]

- **University of Delaware**

Northern Boulevard

Newark, DE 19716

Intact Solutions

345 West Washington Avenue Suite 301

Madison, WI 53703

Mary Freytag (608) 469-7292

22-1-T12.07-1654 LaRC

[Intact.Fiber: An Application Programming Interface for the Design, Simulation, and Optimization of Tow-Steered Composites](#) [41]

- **University of Delaware**

Northern Boulevard

Newark, DE 19716

STF Technologies, LLC

18 Shea Way Suite 101-102

Newark, DE 19713

Richard Dombrowski (716) 799-5935

22-1-T6.08-1716 JSC

[Multi-Functional Environmental Protection Garment Shell Textile for Extreme Surface Environments](#) [42]

- **University of Florida**

600 S Clyde Morris Boulevard

Gainesville, FL 32611

Interdisciplinary Consulting Corporation

5745 Southwest 75th Street, #364

Gainesville, FL 32608

Deontae Lafayette (407) 697-3697

22-1-T13.01-1499 SSC

[WIRA - Wireless Instrumentation for Rocket Applications](#) [43]

- **University of Houston**

212 E. Cullen Building

Houston, TX

Tietronix Software, Inc.

1331 Gemini Avenue, Suite 300

Houston, TX 77058

Sicilia Liranzo (832) 557-1170

22-1-T11.06-2398 JSC

[Shared immersive XR Hyper-Realistic Environment for Extravehicular Activity Surface Operations](#) [44]

- **University of North Texas**

1155 Union Circle #305250

Denton, TX 76203

L'Garde, Inc.

15181 Woodlawn Avenue

Tustin, CA 92780

Larry Beebe (714) 259-0771

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](#) [45]

- **University of Notre Dame**

400 Main Building

Notre Dame, IN

- **Gossamer Space**

116 Beth Drive

Lansdale, PA 19446

Charles West (828) 582-9051

22-1-T5.05-1029 MSFC

[Testing and Characterization of A Graphene/Polyethylene Nanocomposite for Solar Sail Applications](#) [46]

- **University of Southern California**

3720 South Flower Street, 3rd Floor

Los Angeles, CA 90089

- **Contour Crafting Corporation**

215 South Douglas Street

El Segundo, CA 90245

Behrokh Khoshnevis (310) 430-5255

22-1-T7.04-1162 KSC

[Novel Payload Conveyance System - Demonstration in Planetary Berm Construction](#) [47]

- **University of Washington**

4333 Brooklyn Avenue Northeast, Box 359472

Seattle, WA 98195

- **CFD Research Corporation**

6820 Moquin Drive NorthWest

Huntsville, AL 35806

Silvia Harvey (256) 715-6918

22-1-T8.07-1524 GSFC

[Programmable Photonic Integrated Circuits \(PICs\) for Radio Frequency \(RF\) applications](#) [48]

- **University of Wisconsin-Madison**

500 Lincoln Drive

Madison, WI

- **Protoinnovations, LLC**

100 43rd Street

Pittsburgh, PA 15201

Dimitrios Apostolopoulos (412) 916-8807

22-1-T4.01-2647 ARC

[A Software Framework for Advancing Perception Capabilities for Rovers Operating in Harsh Lunar Environments](#) [49]

- **Utah State University**

1415 Old Main Hill, Room 64

Logan, UT 84322

- **Nexolve Holding Company, LLC**

290 Dunlop Boulevard, Southwest, Suite 200

Huntsville, AL 35824

Paul DuPre (256) 836-7785

22-1-T5.05-1391 MSFC

[Embedded Sail Antenna Technology](#) [50]

- **Virginia Polytechnic Institute and State University**

300 Turner Street Northwest, Suite 4200

Blacksburg, VA 24061

- **Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Amanda Moye (540) 626-6266

22-1-T6.08-1473 JSC

[NanoLayered Extruded Textiles for Extreme Surface Environments and High Oxygen Atmospheres](#) [51]

- **Virginia Polytechnic Institute and State University**

300 Turner Street Northwest, Suite 4200

Blacksburg, VA 24061

- **Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Amanda Moye (540) 626-6266

22-1-T12.07-1475 LaRC

[Design Tools for Lightweight Affordable Hybrid Space Exploration Cryotanks](#) [52]

- **Virginia Tech**

345 Goodwin Hall

Blacksburg, VA 24061

- **M4 Engineering, Inc.**

4020 Long Beach Boulevard

Long Beach, CA 90807

Kevin Roughen (562) 981-7797

22-1-T12.07-2715 LaRC

[Topology Optimization for Design of Highly Tailored Composites for AFP Manufacturing](#) [53]

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