



Proposals Selected for Negotiation of Contracts

- **Alphacore, Inc.**

398 South Mill Avenue, Suite 304

Tempe, AZ 85281

Kimberlee Olson (480) 494-5618

Arizona State University-Tempe

University Drive and Mill Avenue

Tempe, AZ

19-1-T13.01-4035 SSC

[Ensuring Correct Sensor Operation and Decisions Under Harsh Environments](#) [1]

- **Alphacore, Inc.**

398 South Mill Avenue, Suite 304

Tempe, AZ 85281

Kimberlee Olson (480) 494-5618

Vanderbilt University

2101 West End Avenue

Nashville, TN

19-1-T6.05-4023 LaRC

[Model and Testing Based Assurance of COTS Systems in Space Radiation Environments](#) [2]

- **AnalySwift**

5413 Crus Corvi Road

West Jordan, UT 84081

Allan Wood (801) 599-5879

Purdue University-Main Campus

155 South Grant Street

West Lafayette, IN 47907

19-1-T12.01-3920 LaRC

[Efficient High-Fidelity Modeling of High Strain Thin-Ply Composites](#) [3]

- **Applied NanoFemto Technologies, LLC**

181 Stedmen Street, Unit #2

Lowell, MA 01851

Jing Chen (978) 761-4293

- **Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge, MA 77058

19-1-T8.02-3207 JSC

[Photonics Integrated Circuit Enabled Miniature On-Chip Urine Test system with High Sensitivity and Reliability](#) [4]

- **ASTER Labs, Inc.**

155 East Owasso Lane

Shoreview, MN 55126

Suneel Sheikh (651) 484-2084

- **The Regents of the University of Minnesota**

200 Oak Street S.E.

Minneapolis, MN 55455

19-1-T4.03-3451 JPL

[Provably Convergent Game-Theoretic Coordination for Space Vehicle Swarms](#) [5]

- **Cactus Materials**

7700 S River Parkway

Chandler, AZ 85284

Mohammed Rafiqul Islam (480) 213-4704

- **Arizona State University**

650 E Tyler Mall Goldwater Center # 208

Tempe, AZ 85281

19-1-T6.06-4319 JSC

[Controlling Silver Release from Antimicrobial Surface Coatings for Biofouling Control](#) [6]

- **CertainTech, Inc.**

20695 Settlers Point Place

Sterling, VA 20165

Ponniah Srinivasan (703) 584-5721

- **George Washington University**

2121 I Street, NW

Washington, DC

19-1-T6.06-3792 ARC

[Nanoporous Carbon Nitride Photocatalyst Based Water Recovery System](#) [7]

- **Chemtronergy, LLC**

3619 West 1987 South

Salt Lake City, UT 84104

Gege Tao (801) 981-9997

- **University of Utah**

201 Presidents Circle, ROOM 201

Salt Lake City, UT

19-1-T15.03-4336 GRC

[Solid State Li-S Battery Based on Novel Polymer/Mineral Composite](#) [8]

- **Continuum Dynamics, Inc.**

34 Lexington Avenue

Ewing, NJ 08618

Barbara Agans (609) 538-0444

- **Pennsylvania State University-Main Campus**

201 Old Main

University Park, PA

19-1-T15.01-3500 AFRC

[DEP Aircraft Terminal Area Ride Quality/Safety of Operations Assessment Tool](#) [9]

- **Continuum Dynamics, Inc.**

34 Lexington Avenue

Ewing, NJ 08618

Barbara Agans (609) 538-0444

Georgia Institute of Technology-Main Campus

225 North Ave

Atlanta, GA

19-1-T15.01-2847 ARC

[Next Generation Distributed Electric Propulsion Urban Air Mobility Aircraft Analysis/Design Tools](#) [10]

- **Cornerstone Research Group, Inc.**

510 Earl Boulevard

Miamisburg, OH 45342

Chrysa Theodore (937) 320-1877

University of Maryland

3112 Lee Building, 7809 Regents Drive

College Park, MD 20742

19-1-T15.03-3203 GRC

[Hybrid Anode for Electrified Aircraft Propulsion](#) [11]

- **Cornerstone Research Group, Inc.**

510 Earl Boulevard

Miamisburg, OH 45342

Chrysa Theodore (937) 320-1877

The University of Texas at Austin

110 Inner Campus Drive

Austin, TX

19-1-T12.05-3201 JSC

[In-Situ Application of Multi-Layer Thermal Protection System](#) [12]

- **CU Aerospace, LLC**

3001 Newmark Drive

Champaign, IL 61822

David Carroll (217) 239-1703

University of Michigan

3003 South State Street

Ann Arbor, MI 48109

19-1-T2.02-2527 GRC

[Advanced Flow Control System for In-Space Electric Propulsion](#) [13]

- **Electro Magnetic Applications**

7655 West Mississippi Avenue, Suite 300

Lakewood, CO 80226

Matthew Miller (217) 840-1382

Wichita State University

1845 N. Fairmount

Wichita, KS

19-1-T5.02-3243 KSC

[Power Balance Solver Enhanced by an Experimental Absorption Cross-Section Database](#) [14]

- **Emergent Space Technologies, LLC**

7901 Sandy Spring Road, Suite 511

Laurel, MD 20707

Everett Cary (301) 345-1535

The University of Texas at San Antonio

One UTSA Circle

San Antonio, TX

19-1-T11.03-3448 MSFC

[ROBOT: Rules Oriented Blockchain Operations Transactor](#) [15]

- **En'Urga, Inc.**

1201 Cumberland Avenue, Suite R

West Lafayette, IN 47906

Deepa Divakaran (765) 497-3269

University of Michigan

3003 South State Street

Ann Arbor, MI 48109

19-1-T2.03-3834 AFRC

[Planar Chemiluminescence Absorption Tomography](#) [16]

- **Espace, Inc.**

30 Lynn Avenue

Hull, MA 02045

Francois Martel (781) 925-3893

Massachusetts Institute of Technology

77 Massachusetts Avenue

Cambridge, MA 02139

19-1-T2.03-2775 MSFC

[Bimodal Ion-Chemical Thruster System](#) [17]

- **H2O Insights, LLC**

12794 E Sahuaro Drive

Scottsdale, AZ 85259

Kelly Westerhoff (480) 209-9140

Arizona State University-Tempe

551 E. Tyler Mall St ERC RM 159

Tempe, AZ 85281

19-1-T6.06-2448 JSC

[Side-Emitting Optical Fibers for Delivery of UV-C Light to Disinfect Key Bacteria in Space Station Water and Storage and Conveyance Systems](#) [18]

- **Intelligent Fiber Optic Systems Corporation**

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

- **Northwestern University**

633 Clark St.

Evanston, IL 60208

19-1-T13.01-2665 SSC

[Enhanced Real Time Distributed Strain and Temperature Monitoring for Rocket Ground Testing](#) [19]

- **Intelligent Optical Systems, Inc.**

2520 West 237th Street

Torrance, CA 90505

Reuben Sandler (424) 263-6305

- **University of Southern California**

3720 S. Flower Street, 3rd Floor

Los Angeles, CA 90089

19-1-T12.05-3033 ARC

[A Modular In-Situ Curing Apparatus for Thermoset Resin Mixtures Applied as Thermal Protection Systems](#) [20]

- **Lynntech, Inc.**

2501 Earl Rudder Freeway South

College Station, TX 77845

Darla Hisaw (979) 764-2219

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

7607 Eastmark Drive

College Station, TX 77840

19-1-T8.02-2760 GRC

[Integrated Multi-Mode Photonic Crystal Spectrometer with On-Chip Photodetection](#) [21]

- **Mirios, Inc.**

429 West Valerio Street, #25

Santa Barbara, CA 93101

Alexander Spott (805) 364-2987

The Regents of the University of California, Santa Barbara

3227 Cheadle Hall, 3rd Floor

Santa barbara, CA 93106

19-1-T8.02-3360 GSFC

[Multispectral Mid-Infrared Laser](#) [22]

- **Multi3D, LLC**

434 Golden Harvest Loop

Cary, NC 27519

Allen Gray (919) 667-7499

Duke University

103 Allen Bldg

Durham, NC

19-1-T8.04-3301 GSFC

[Rapid Prototyping of Beam-Shaping Metamaterial Antennas via Additive Manufacturing of a Highly Conductive Filament](#) [23]

- **Mycroft AI, Inc.**

300 East 39th Street

Kansas City, MO 64111

Eric Jurgeson (913) 406-4011

Texas A&M Engineering Experiment Station

7607 Eastmark Drive

College Station, TX 77840

19-1-T11.04-4219 LaRC

[Development of A Digital Assistant for Early Mission Analysis and Design](#) [24]

- **Nanohmics, Inc.**

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Mike Mayo (512) 389-9990

Research Foundation of the City University of New York-Advanced Science Research Center

85 Saint Nicholas Terrace

New York, NY 10031

19-1-T8.04-3418 GSFC

[Metagrating Beam Shaping Optics](#) [25]

- **Nanomatronix, LLC**

700 Research Center Boulevard

Fayetteville, AR 72701

Matthew Leftwich (479) 215-9438

University of Arkansas at Little Rock

2801 S University Ave

Little Rock, AR

19-1-T6.06-4074 JSC

[Thermally Partially Reduced Graphene Oxide Membranes for Water Recovery from Wastewater](#) [26]

- **Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

Virginia Tech

245 Goodwin Hall

Blacksburg, VA 24061

19-1-T12.05-3378 JSC

[Cure in Place Hybridsil Polyimide Materials for Next Generation Additively Manufactured TPS Heat Shields](#) [27]

- **Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

Virginia Tech

Virginia Tech MC 0238

Blacksburg, VA 24061

19-1-T6.06-3677 JSC

[Metal-Organic Framework-Sensitized ChemFET Sensors for Spacecraft Water Monitoring Systems](#) [28]

- **Navatek, LLC**

841 Bishop Street, Suite 1110

Honolulu, HI 96813

Todd Peltzer (808) 551-4713

University of Maine

168 College Avenue

Orono, ME

19-1-T12.01-3729 LaRC

[Thin-Ply Inflatable Composites with Drop Stitch Reinforcement](#) [29]

- **New Rights Group, Inc. DBA Development Seed**

1226 9th Street Northwest, Second Floor

Washington, DC 20001

Mark Wronkiewicz (573) 578-1453

Arizona State University

650 E Tyler Mall Goldwater Center # 208

Tempe, AZ 85281

19-1-T4.01-2855 ARC

[Planetary-Scale Surface Feature Detection and Mapping for Future Exploration Missions](#) [30]

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

4221 Rolling Gate Road

Fort Collins, CO 80526

Thomas Murphey (505) 250-3006

North Carolina State University at Raleigh

2701 Sullivan Drive

Raleigh, NC 27695

19-1-T12.01-2915 GRC

[Braided Thin-Ply Tapes](#) [31]

- **Orbit Logic, Inc.**

7852 Walker Drive

Greenbelt, MD 20770

Ella Herz (301) 982-6234

Regents of the University of Colorado

3100 Marine Street

Boulder, CO 80303

19-1-T4.03-3131 JPL

[Mars/Interplanetary Swarm Design and Evaluation Framework \(MISDEF\)](#) [32]

- **Plasma Controls, LLC**

1180 La Eda Lane

Fort Collins, CO 80526

Casey Farnell (970) 581-2239

COLORADO STATE UNIVERSITY

Sponsored Programs; 601 S. Howes St.

Fort Collins, CO 80523

19-1-T2.02-2644 GRC

[Energy and Velocity Analyzer for Distributions of Electric Rockets](#) [33]

- **Plasma Processes, LLC**

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

Georgia Institute of Technology-Main Campus

225 North Ave

Atlanta, GA

19-1-T2.03-3789 MSFC

[Dual Mode Green Monopropellant Propulsion System for Interplanetary Missions](#) [34]

- **QorTek, Inc.**

1965 Lycoming Creek Road, Suite 205

Williamsport, PA 17701

Cathy Bower (570) 322-2700

COLORADO STATE UNIVERSITY

Sponsored Programs; 601 S. Howes St.

Fort Collins, CO 80523

19-1-T2.02-3763 GRC

[Propellant Storage and Distribution System Based on Textured Ceramic Valves for Xenon Electric Propulsion Systems](#) [35]

- **Renan Moreira**

4453 La Paloma Avenue

Santa Barbara, CA 93105

Renan Moreira (805) 319-2491

The Regents of the University of California, Santa Barbara

3227 Cheadle Hall, 3rd Floor

Santa barbara, CA 93106

19-1-T8.02-4150 GSFC

[Broadband Arrayed Waveguide Grating with Microwave Kinetic Detector Array for Fully Integrated High-Resolution Photonic Spectrograph](#) [36]

- **Research in Flight**

1919 North Ashe Court

Auburn, AL 36830

Roy Hartfield (334) 444-8523

Auburn University

141 Engineering Drive

Auburn, AL 36849

19-1-T15.01-2965 ARC

[Air Vehicle Gust Response analysis for Conceptual Design](#) [37]

- **Rochester Precision Optics**

850 John Street

West Henrietta, NY 14586

Stephanie McCaig (585) 292-5450

Massachusetts Institute of Technology

77 Massachusetts Avenue

Cambridge, MA 77058

19-1-T8.04-3019 JPL

[Hierarchical Metasurface Optics for Multiplexed Visible to Terahertz Cross-Band Systems](#) [38]

- **SoneLite, Inc.**

2311 Via Aprilia

Del Mar, CA 92014

Paul Bremner (619) 977-4048

Oklahoma State University-Main Campus

107 Whitehurst

Stillwater, OK

19-1-T5.02-3311 KSC

[Electric Field Prediction and Mapping Methods Within Spacecraft Enclosures](#) [39]

- **Spectral Energies, LLC**

4065 Executive Drive

Dayton, OH 45430

Sivaram Gogineni (937) 266-9570

Purdue University-Main Campus

155 South Grant Street

West Lafayette, IN 47907

19-1-T2.03-4300 GRC

[Concurrent High-Fidelity Measurements and Simulations for Advancing the Design of Rotating Detonation Engines](#) [40]

- **Streamline Automation, LLC**

3100 Fresh Way Southwest

Huntsville, AL 35805

Alton Reich (256) 713-1220

University of Tennessee Space Institute

411 B.H. Goethert Pkwy

Tullahoma, TN 37388

19-1-T2.03-2452 MSFC

[Demonstration of Dual Mode Ionic Liquid Propulsion](#) [41]

- **Streamline Automation, LLC**

3100 Fresh Way Southwest

Huntsville, AL 35805

Alton Reich (256) 713-1220

Alabama A&M University

Normal, Alabama 35762

Normal, AL 35762

19-1-T6.05-3299 LaRC

[Testing of COTS Systems in Space](#) [42]

- **SurfPlasma**

8722 Northwest 9th Place

Gainesville, FL 32606

Subrata Roy (810) 516-0991

University of Florida

201 Criser Hall PO Box 114000

Gainesville, FL

19-1-T15.01-3721 GRC

[Vortex Control for Low-Noise DEP Urban Aircraft](#) [43]

- **Tethers Unlimited, Inc.**

11711 North Creek Parkway South, Suite D113

Bothell, WA 98011

Robert Hoyt (425) 486-0100

Western Washington University

516 High Street

Bellingham, WA

19-1-T12.05-4015 JSC

[Resin Additive Manufacturing Processed Thermal Protection Systems \(RAMP TPS\)](#) [44]

- **Tietronix Software, Inc.**

1331 Gemini Avenue, Suite 300

Houston, TX 77058

Frank Hughes (281) 461-9300

University of Houston-Clear Lake

2700 Bay Area Blvd

Houston, TX

19-1-T11.03-2769 MSFC

[Blockchain for Model Based System Engineering](#) [45]

- **Touchstone Research Laboratory, Ltd.**

The Millennium Centre, 1142 Middle Creek Road

Triadelphia, WV 26059

Brian Gordon (304) 547-5800

Clemson University

201 Sikes Hall

Clemson, SC

19-1-T12.01-4092 LaRC

[Precision Heated Tooling for OOA Curing of Thin-Ply Composites](#) [46]

- **Tyvak Nano-Satellite System, Inc.**

15330 Barranca Parkway

Irvine, CA 92618

Todd Mosher (949) 562-8684

Stanford University

3160 Porter Drive Suite 100

Palo Alto, CA 94304

19-1-T4.03-4413 JPL

[Distributed Multi-GNSS Timing and Localization \(DiGiTal\) 2.0 for Nanosatellites](#) [47]

- **Veth Research Associates, LLC**

4591 Highway 20E, Premier Building, Suite 202J

Niceville, FL 32578

Michael Veth (937) 529-8384

Georgia Institute of Technology-Main Campus

225 North Ave

Atlanta, GA

19-1-T4.01-3821 ARC

[Autonomous Navigation on Icy Moons and Ocean Worlds](#) [48]

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