



## Proposals Selected for Negotiation of Contracts

- **ADA Technologies, Inc.**

11149 Bradford Road

Littleton , CO 80127

Nada Farmer (303) 874-8266

19-2-Z1.04-2824 GRC

[High Energy Density, Long Cycle Life Li-S Batteries for Space Applications](#) [1]

- **Additive Manufacturing Innovations, LLC**

65 Main Sreet, Suite 3008

Potsdam, NY 13676

Ajit Achuthan (315) 262-4998

19-2-A1.07-3714 GRC

[A microstructure-informed multiscale structural analysis and design framework for next generation high performance material systems and structural components](#) [2]

- **Advanced Cooling Technologies, Inc.**

1046 New Holland Avenue

Lancaster, PA 17601

William Anderson (717) 205-0602

19-2-S4.02-3013 JPL

[Autonomous Melting Probe for Icy Planets Exploration](#) [3]

- **Advanced Cooling Technologies, Inc.**

1046 New Holland Avenue

Lancaster, PA 17601

William Anderson (717) 205-0602

19-2-Z2.01-3007 GSFC

[Variable Conductance Cold Plate for Spatial and Temporal Temperature Uniformity](#) [4]

- **Advanced Space, LLC**

2100 Central Avenue, Suite 102

Boulder, CO 80301

Bradley Cheetham (720) 545-9189

19-2-H9.03-3159 GSFC

[Neural Net Control for Electric Propulsion in 3-Body Orbits](#) [5]

- **Advanced Systems & Technologies, Inc.**

12 Mauchly, Building H

Irvine, CA 92618

Beth Imlay (949) 733-3355

19-2-S2.03-3668 MSFC

[Reconfigurable Optoelectronic Mirror Evaluation \(ROME\) System](#) [6]

- **Advent Innovations Limited**

1225 Laurel Street, Suite 213

Columbia, SC 29201

Ritubarna Banerjee (480) 234-5267

19-2-Z11.01-3602 LaRC

[Damage Detection Using Two-Stage Compressive Sensing](#) [7]

- **Aerodyne Research, Inc.**

45 Manning Road

Billerica, MA 01821

David Gordon (978) 663-9500

19-2-S1.08-4126 LaRC

[Advanced Multi-Pass Cell Technology](#) [8]

- **Air Squared, Inc.**

510 Burbank Street

Broomfield, CO 80020

Bryce Shaffer (513) 238-9778

19-2-H4.01-3223 JSC

[Spinning Scroll Boost Compressor](#) [9]

- **Alphacore, Inc.**

304 S Rockford Dr

Tempe, AZ 85281

Kimberlee Olson (480) 494-5618

19-2-H4.01-3803 JSC

[Self-Calibrating, Lightweight Radiation Hardened Isolated DC-DC Converter](#) [10]

- **Alphacore, Inc.**

304 S Rockford Dr

Tempe, AZ 85281

Kimberlee Olson (520) 518-0135

19-2-S1.03-3822 JPL

[RFI Mitigating \(RFIM\) Receiver Backend ASIC](#) [11]

- **American GNC Corporation**

888 Easy Street

Simi Valley, CA 93065

Emily Melgarejo (805) 582-0582

19-2-A1.09-3425 AFRC

[Adaptive RuGgedized Ubiquitous Sensor Network for Aircraft Health Monitoring \(ARGUS-4AHM\) System](#) [12]

- **Antara Teknik, LLC**

5233 Castlereigh Court

Granite Bay, CA 96746

Mehmet Adalier (916) 622-6960

19-2-Z6.01-3112 JPL

[Reliable and Real Time Linux for HPSC](#) [13]

- **Ascending Node Technologies, LLC**

2548 East 4th Street

Tucson, AZ 85716

Sanford Selznick (520) 314-5595

19-2-S5.04-3174 GSFC

[Interactive Rapid Generation of Simulated Science Data](#) [14]

- **ASRC Federal Astronautics, LLC**

289 Dunlop Boulevard, Building 300

Huntsville, AL 35824

Joseph Sims (256) 562-2191

19-2-H10.01-4455 SSC

[Highly Compatible, Additively Manufactured LOX Injectors](#) [15]

- **Astrobotic Technology, Inc.**

912 Fort Duquesne Boulevard, 3rd Floor

Pittsburgh, PA 15222

Michael Provenzano (845) 399-0843

19-2-S1.02-3110 JPL

[Under-Rover Ultra-Wide Band Non-Contact Ground Penetrating Radar Antenna](#) [16]

- **Astrobotic Technology, Inc.**

912 Fort Duquesne Boulevard, 3rd Floor

Pittsburgh, PA 15222

John Thornton (908) 500-0317

19-2-S3.04-4200 GSFC

[Ultra-Compact Standalone Visual Relative Navigation](#) [17]

- **ATA Engineering, Inc.**

13290 Evening Creek Drive South

San Diego, CA 92128

Joshua Davis (858) 480-2028

19-2-A1.02-2701 GRC

[High-Resolution Source Characterization and Modeling for Efficient Prediction of Propulsion-Airframe Aeroacoustics](#) [18]

- **ATLAS Space Operations**

10850 East Traverse Highway, Suite 3355

Traverse City, MI 49684

Edward McCarty (719) 360-0496

19-2-H9.07-3346 GSFC

[Cognitive Constellation Management Scheduling](#) [19]

- **ATSP Innovations**

60 Hazelwood Drive

Champaign, IL 61820

Jacob Meyer (217) 778-4400

19-2-S4.04-3349 GRC

[Extreme Environment Tribological Characterization of Advanced Bearing Materials](#) [20]

- **Autonomous Healthcare, Inc.**

132 Washington Street, Suite 305

Hoboken, NJ 07030

Behnood Gholami (347) 774-1617

19-2-H12.06-2566 ARC

[Remote Cardiopulmonary Sensing](#) [21]

- **Azavea, Inc.**

990 Spring Garden Street, 5th Floor

Philadelphia, PA 19123

Robert Cheetham (215) 701-7713

19-2-S5.02-3514 JPL

[Advancing Hyperspectral Data Cube Query Capabilities through Apache Spark DataFrame Abstraction](#) [22]

- **Bally Ribbon Mills**

23 North 7th Street

Bally, PA 19503

Bert Harries (610) 845-2211

19-2-Z7.03-4421 ARC

[Novel Diagnostic Tools for Production of WTPS](#) [23]

- **BEAM Engineering for Advanced Measurements**

1300 Lee Road

Orlando, FL 32810

Nelson Tabirian (407) 734-5222

19-2-Z7.01-3556 LaRC

[Non-Mechanical Dual-Mode Beam Control System for LiDARs](#) [24]

- **Benchmark Space Systems, Inc.**

2 Gregory Drive

South Burlington, VT 05403

Michael McDevitt (802) 999-8211

19-2-Z8.01-3357 GRC

[Warm Gas Generator Resistojet Micropropulsion System](#) [25]

- **Blacksky Aerospace, LLC**

623 19th Street South

Arlington, VA 22202

Raymond Hoheisel (202) 500-3743

19-2-H9.05-3487 ARC

[DataCell - A Solar Cell Integrated Modulating Retroreflector](#) [26]

- **Blueshift, LLC**

575 Burbank Street, Unit G

Broomfield, CO 80020

Ryan Garvey (850) 445-3431

19-2-Z5.05-3716 ARC

[Terramechanics Modeling of Soil-Wheel Interactions at the Lunar Poles](#) [27]

- **Bolder Flight Systems, Inc.**

2614 30th Avenue Northeast

Minneapolis, MN 55418

Brian Taylor (719) 246-4559

19-2-A3.02-2710 ARC

[Performance Based Autonomous Precision Approach and Landing System](#) [28]

- **Boston Micromachines Corporation**

30 Spinelli Place, Suite 103

Cambridge, MA 02138

Paul Bierden (617) 868-4178

19-2-S2.01-3210 JPL

[Eliminating High-Spatial-Frequency Topography due to Print-Through in MEMS Deformable Mirrors](#) [29]

- **C-Suite Services, LLC**

114 Mulberry Drive

Metairie, LA 70005

Kevin Pollard (303) 594-4300

19-2-H10.01-3010 SSC

[Cryogenic Cam Butterfly Valve](#) [30]

- **CAL Analytics**

4031 Colonel Glenn Highway, Suite 300

Beavercreek, OH 43214

Sean Calhoun (937) 458-7777

19-2-A3.03-2911 ARC

[Enhancing UTM Ecosystem Resiliency and Robustness](#) [31]

- **CFD Research Corporation**

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

(256) 726-4858

19-2-Z7.04-2726 LaRC

[Measurement and Modeling of High Speed Polydisperse Granular Flow Under Plume/Surface Interaction Conditions](#) [32]

- **CFD Research Corporation**

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

19-2-Z1.03-2732 GRC

[Silicon Carbide-based Power Electronics for Small Fission Reactors](#) [33]

- **CFD Research Corporation**

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

19-2-Z7.04-2725 LaRC

[Plume-Surface Interaction in Rarefied Environments](#) [34]

- **CMSOft, Inc.**

2225 East Bayshore Rd; #215

Palo Alto, CA 94303

Francoise Farhat (650) 898-9585

19-2-A1.01-3405 ARC



[Integrating Distributed Control into High-Fidelity Aircraft Multidisciplinary Design Optimization](#) [35]

- **Combustion Research and Flow Technology**

6210 Keller's Church Road

Pipersville, PA 18947

Neeraj Sinha (215) 766-1520

19-2-A1.03-3403 GRC

[An Enhanced Software Toolkit for OpenNCC to Reduce NOx in Commercial Supersonic Transport Combustors](#) [36]

- **Combustion Research and Flow Technology**

6210 Keller's Church Road

Pipersville, PA 18947

Neeraj Sinha (215) 766-1520

19-2-Z10.01-2859 MSFC

[Simulation of Chillover Process with a Sub-Grid Boiling Model](#) [37]

- **Copious Imaging, LLC**

83 Hartwell Avenue, Suite 150

Lexington, MA 02421

Thomas Klein (617) 921-0485

19-2-S1.04-4100 JPL

[Computational Pixel Imager \(CPI\) Readout Integrated Circuits for Next Generation High Performance and Low SWaP Sensors](#) [38]

- **Cornerstone Research Group, Inc.**

510 Earl Boulevard

Miamisburg, OH 45342

Carri Miller (937) 320-1877

19-2-Z4.02-3197 LaRC

[Modular Palletizing System for In-Space Assembly](#) [39]

- **Cosmic Microwave Technology, Inc.**

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15703 Condon Avenue, Suite C4

Lawndale, CA 90260

Denise L Smith (424) 456-7722

19-2-H9.01-3429 JPL

[A Low Noise, Low Power, Cryogenic Differential Amplifier for Reducing the Timing Jitter in Superconducting Nanowire Single Photon Detectors](#) [40]

- **Creare, LLC**

16 Great Hollow Road

Hanover, NH 03755

Robert Kline-Schoder (603) 640-2487

19-2-S3.05-2923 JPL

[A Novel Aerial Drone Platform for Exploration of Titan](#) [41]

- **Creare, LLC**

16 Great Hollow Road

Hanover, NH 03755

Robert Kline-Schoder (603) 640-2487

19-2-H4.01-2931 JSC

[Boost Compressor for xPLSS CO2/H2O Control on Mars](#) [42]

- **CU Aerospace, LLC**

3001 Newmark Drive

Champaign, IL 61822

David Carroll (217) 239-1703

19-2-Z8.01-2640 ARC

[Low Flame Temperature Monopropellant Propulsion Unit for Cubesats \(MPUC\)](#) [43]

- **Deployable Space Systems, Inc.**

153 Castilian Drive

Goleta, CA 93117

Brian Spence (805) 722-8090

19-2-H5.01-4299 GRC

[Deployable and Retractable Solar Array for Lunar Surface/Lander Mobility Operations](#) [44]

- **Deployable Space Systems, Inc.**

153 Castilian Drive

Goleta, CA 93117

Brian Spence (805) 722-8090

19-2-S3.01-4222 GRC

[Innovative Deployable Solar Array for SmallSat and CubeSat Applications](#) [45]

- **Digital Optics Technologies, Inc.**

1645 Hicks Road, Suite H

Rolling Meadows, IL 60008

Rabia Shahriar (847) 358-2592

19-2-S1.10-3398 GSFC

[Compact and Highly-Sensitive Multi-Axes Gyroscope using Large Momentum Transfer Point Source Atom Interferometry](#) [46]

- **DornerWorks, Ltd.**

3445 Lake Eastbrook Southeast

Grand Rapids, MI 49546

Lance Hilbelink (616) 245-8369

19-2-Z6.01-3138 GSFC

[High Assurance Virtualization for the HPSC](#) [47]

- **Exploration Institute, LLC**

710 North Post Oak Road #400

Houston, TX 77024

Armin Ellis (617) 599-0774

19-2-H6.22-3264 ARC

[Neuromorphic Spacecraft Fault Monitor](#) [48]

- **Extreme Diagnostics, Inc.**

6960 Firerock Court

Boulder, CO 80301

Robert Owen (303) 523-8924

19-2-S2.02-2444 JPL

[In-Space Demonstration of Submicron Active Optomechanical Control](#) [49]

- **Freedom Photonics, LLC**

41 Aero Camino

Santa Barbara, CA 93117

Leif Johansson (805) 967-4900

19-2-S1.01-3529 LaRC

[A novel chip-scale seed source at 1645nm for methane LIDARs](#) [50]

- **Freedom Photonics, LLC**

41 Aero Camino

Santa Barbara, CA 93117

Daniel Renner (805) 967-4900

19-2-S1.01-3244 GSFC

[Widely Tunable Fast Semiconductor Laser Seed Source at 1030nm for LIDAR Remote Sensing](#) [51]

- **Frontier Astronautics**

609 Windmill Road

Chugwater, WY 82210

Timothy Bendel (307) 331-3043

19-2-Z9.01-3549 MSFC

[Innovative Hydrogen Peroxide Turbopump Design for Affordable Small Launch Vehicles.](#) [52]

- **GeoVisual Technologies, Inc.**

9191 Sheridan Boulevard, Suite 300

Westminster, CO 80031

Jeffrey Orrey (303) 955-1575

19-2-S5.03-4162 GSFC

[Multi-Resolution Deep Learning for Land Use Applications](#) [53]

- **Giner, Inc.**

89 Rumford Avenue

Newton, MA 02466

Cortney Mittelsteadt (781) 529-0529

19-2-A1.04-3055 GRC

[High Energy Density and High Cycle Life Lithium-Sulfur Battery For Electrified Aircraft Propulsion](#) [54]

- **Gloyer-Taylor Laboratories, LLC**

112 Mitchell Boulevard

Tullahoma, TN 37388

Paul Gloyer (931) 455-7333

19-2-Z10.01-2544 GRC

[Low Boiloff Transfer Lines](#) [55]

- **Helden Aerospace Corporation**

2463 Saluda Drive

Acworth, GA 30101

John Hooker (678) 849-8420

19-2-A1.05-3574 LaRC

[HeldenDesign: An Automated Aircraft Drag Optimization Method Using Knowledge-Based Design Tools](#) [56]

- **Heliospace Corporation**

932 Parker Street, Suite 2

Berkeley, CA 94710

Gregory Delory (415) 527-0994

19-2-S1.06-3322 GSFC

[Helical Booms for Space Applications](#) [57]

- **Impossible Sensing, LLC**

3407 S Jefferson Ave

St. Louis, MO 63118

Pablo Sobron (314) 695-6993

19-2-S1.11-2711 GSFC

[HARPOON - High Access Raman Probe with Onboard Optical Numerization](#) [58]

- **Impossible Sensing, LLC**

3407 S Jefferson Ave

St. Louis, MO 63118

Pablo Sobron (314) 695-6993

19-2-S1.07-2925 ARC

[DiSCO: Dual In-Situ Spectroscopy and Coring](#) [59]

- **Infibertech, Corp.**

8 Indian Lane

Sharon, MA 02067

Ram Yahalom (781) 806-5625

19-2-S3.04-2772 MSFC

[Low Noise Miniature IMU for Harsh Space Environment](#) [60]

- **Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 190

Rockville, MD 20855

Mark James (301) 294-5221

19-2-A3.02-3684 LaRC

[GUMP: General Urban Area Microclimate Predictions Tool for Small UAS](#) [61]

- **Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 190

Rockville, MD 20855

Mark James (301) 294-5221

19-2-S1.02-3636 JPL

[Wireless Timing Synchronization \(WITIS\) for Multi-static Radar Systems](#) [62]

- **Intelligent Fiber Optic Systems Corporation**

4425 Fortran Drive

San Jose, CA 95134

Behzad Moslehi (408) 565-9004

19-2-Z5.04-2654 ARC

[Multi-Purpose & Multi-Functional Dexterous End-Effectors for Robots](#) [63]

- **Interdisciplinary Consulting Corporation**

5745 Southwest 75th Street, #364

Gainesville, FL 32608

Tai-An Chen (937) 361-7711

19-2-A1.02-3531 LaRC

[Field Deployable Wireless Data Acquisition System for Ground-Test Arrays](#) [64]

- **International Scientific Technologies, Inc.**

P.O. Box 757

Dublin, VA 24084

Wanda Gibson (540) 633-1424

19-2-Z4.01-4192 LaRC

[Measurement of Advanced Radiation-Shielding Materials for Deployment on MISSE-FF](#) [65]

- **IRPI, LLC**

2828 SW Corbett Ave Ste 143

Portland, OR 97201

Ryan Jenson (503) 545-2501

19-2-H8.01-3356 JSC

[Advanced Fluids Processing using Superhydrophobic Surfaces](#) [66]

- **KALSCOTT Engineering, Inc.**

P.O. Box 3426

Lawrence, KS 66046

Suman Saripalli (785) 979-1116

19-2-A3.04-2970 LaRC

[Chip-Based ADS-B for High Density, Low Altitude UAV Operations](#) [67]

- **L'Garde, Inc.**

15181 Woodlawn Avenue

Tustin, CA 92780

Linden Bolisay (714) 259-0771

19-2-Z8.06-2584 ARC

[Compact, Lightweight Bolt-on Deorbit Device for Spacecraft](#) [68]

- **LambdaVision, Inc.**

400 Farmington Avenue

Farmington, CT 06032

Jordan Greco (860) 690-5713

19-2-H8.01-3699 JSC

[Implementation of a Layer-by-Layer Manufacturing Apparatus for the Assembly of Protein-Based Retinal Implants in Low Earth Orbit](#) [69]

- **Leiden Measurement Technology, LLC**

1230 Mountain View Alviso Road, Suite A

Sunnyvale, CA 94089

Nathan Bramall (510) 301-8980

19-2-S1.11-4267 ARC

[Hyperspectral Microscope for the Detection of Life](#) [70]

- **Leiden Measurement Technology, LLC**

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1230 Mountain View Alviso Road, Suite A

Sunnyvale, CA 94089

Nathan Bramall (510) 301-8980

19-2-S1.07-3832 ARC

[Sample Pre-Processing Instrument for Chemical Exploration \(SPICE\)](#) [71]

- **Litespar, Inc.**

10141 N Rancho Sonora Dr

Oro Valley, AZ 85737

William Austin (520) 302-5506

19-2-S1.01-4359 GSFC

[MOPA Laser Transmitter with Passive Q-Switch for Space LIDAR](#) [72]

- **Lynntech, Inc.**

2501 Earl Rudder Freeway South

College Station, TX 77845

Darla Hisaw (979) 764-2219

19-2-Z11.01-2784 LaRC

[Generative Adversarial Networks for Real-Time Realistic Physics Simulations](#) [73]

- **M4 Engineering, Inc.**

4020 Long Beach Boulevard

Long Beach, CA 90807

Michelle Darlington (562) 981-7797

19-2-Z4.03-4412 LaRC

[Lightweight Conformal Structures](#) [74]

- **Made in Space, Inc.**

8226 Philips Highway, Suite 102

Jacksonville, FL 32256

Andrew Rush (904) 806-4548

19-2-Z3.02-3224 MSFC

[Mobile End-Effector Laser Device \(MELD\)](#) [75]

- **Magnolia Optical Technologies, Inc.**

52B Cummings Park, Suite 314

Woburn, MA 01801

Yash Puri (978) 821-7500

19-2-S1.04-2990 JPL

[Development of Nanostructured Antireflection Coatings Technology for UV and IR Bands for Improved Detector Array and Sensor Performance](#) [76]

- **Mainstream Engineering Corporation**

200 Yellow Place

Rockledge, FL 32955

Michael Rizzo (321) 631-3550

19-2-Z2.01-4419 JSC

[Toxicity Mitigating Single-Fluid Cooling System for Manned Spacecraft](#) [77]

- **Makel Engineering, Inc.**

1585 Marauder Street

Chico, CA 95973

Darby Makel (530) 895-2771

19-2-S1.07-4193 GRC

[Venus In-Situ Mineralogy Reaction Array \(VIMRA\) Sensor Platform](#) [78]

- **Martin Defense Group, LLC**

841 Bishop Street, Suite 1110

Honolulu, HI 96813

Audra White (808) 695-6641

19-2-H6.01-3742 MSFC

[Reinforcement Learned Adversarial Agent for Active Fault Detection in Space Habitats](#) [79]

- **Masten Space Systems, Inc.**

1570 Sabovich Street

Mojave, CA 93501

Tristan Cembrinski (908) 400-1150

19-2-Z7.04-3871 LaRC

[Testing Deep Cratering Physics to Inform Plume Effects Modeling](#) [80]

- **Masten Space Systems, Inc.**

1570 Sabovich Street

Mojave, CA 93501

Tristan Cembrinski (908) 400-1150

19-2-S3.06-3881 MSFC

[Surviving the Lunar Night Using Metal Oxidation Warming Systems](#) [81]

- **Materials Research and Design, Inc.**

300 East Swedesford Road

Wayne, PA 19087

Craig Iwano (610) 964-9000

19-2-H5.02-3902 MSFC

[Domestically Available C/C for Hot Structure](#) [82]

- **Metron, Inc.**

1818 Library Street

Reston, VA 20190

Seth Blackwell (703) 787-8700

19-2-A3.03-3366 LaRC

[In-Time Flight Anomaly Detection and Risk Prediction with Neural Networks](#) [83]

- **Millennitek LLC**

631 Barbrow Lane

Knoxville, TN 37932

Steve Getley (865) 966-2170

19-2-Z1.03-3409 GRC

[Integral Neutron and Gamma Shield Material](#) [84]

- **Millimeter Wave Systems LLC**

9 Research Drive, Suite #8

Amherst, MA 01002

Brenda Mangels (413) 345-6467

19-2-S1.02-4165 JPL

[V-Band Switch \(65-70 GHz\)](#) [85]

- **Motiv Space Systems, Inc.**

350 North Halstead Street

Pasadena, CA 91107

Tom McCarthy (626) 389-5783

19-2-S4.04-3728 JPL

[Cryogenic Focus Mechanism](#) [86]

- **Multiscale Systems, Inc.**

101 Moreland Green Drive

Worcester, MA 01609

Jesse Silverberg (781) 964-7911

19-2-A1.06-3665 LaRC

[Ultra-Lightweight Mechanical Metamaterials for Mitigating Impacts and Crashes of Urban Air Mobility Vehicles](#) [87]

- **N&R Engineering**

6659 Pearl Road, #201

Parma Heights, OH 44130

Vinod Nagpal (440) 845-7020

19-2-A1.07-2626 GRC

[Probabilistic/Reliability Software Tool for Ceramic Matrix Composite/Environmental Barrier Coating Interface Modeling](#) [88]

- **Nabla Zero Labs**

535 Old Mill Road

San Marino, CA 91108

Juan Arrieta (626) 319-0263

19-2-H9.03-2971 GSFC

[A Networked Flight Dynamics Platform for Collaborative Design and Optimization](#) [89]

- **Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

19-2-Z8.03-3077 GRC

[Lightweight Radiation Shielding Composites for Small Spacecraft](#) [90]

- **Near Earth Autonomy, Inc.**

150 North Lexington Street

Pittsburgh, PA 15208

Marcel Bergerman (412) 513-6110

19-2-A2.02-3901 LaRC

[Long Term Autonomy for Aerial Urban Mobility](#) [91]

- **New Electricity Transmission Software Solutions (NETSS)**

22 Weir Hill Road

Sudbury, MA 01776

Eric Allen (518) 447-9400

19-2-A1.04-3011 GRC

[Integrated Control and Protection Methodology Based on Energy-Space Modeling for EAP Aircraft](#) [92]

- **Nexolve Holding Company, LLC**

290 Dunlop Boulevard, Southwest Suite 200

Huntsville, AL 35824

James Moore (256) 337-6752

19-2-H5.01-4161 MSFC

[Simple Reliable Retractable Lunar Lander Solar Array](#) [93]

- **Nokomis, Inc.**

310 5th Street

Charleroi, PA 15022

Eli Polovina (724) 483-3946

19-2-A1.09-4472 GRC

[Hiawatha OnBoard Electronic Sensing](#) [94]

- **OEwaves, Inc.**

465 North Halstead Street, Suite #140

Pasadena, CA 91107

Debra Coler (626) 351-4200

19-2-S1.10-3876 JPL

[Miniature Laser System for Yb Ion Clock](#) [95]

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

4221 Rolling Gate Road

Fort Collins, CO 80526

Thomas Murphey (505) 250-3006

19-2-H5.01-2946 LaRC

[Lunar Solar Array Monolithic Truss](#) [96]

- **OptiPro Systems, LLC**

6368 Dean Parkway

Ontario, NY 14519

Matthew Carlson (585) 265-0160

19-2-S2.04-3275 GSFC

[Chromatic Interferometric Probe](#) [97]

- **OptiPro Systems, LLC**

6368 Dean Parkway

Ontario, NY 14519

Matthew Carlson (585) 265-0160

19-2-S2.04-3272 GSFC

[Advanced Nanometer Coordinate Measuring Machine](#) [98]

- **Ozark Integrated Circuits, Inc.**

700 West Research Center Boulevard

Fayetteville, AR 72701

Anthony Francis (479) 575-1600

19-2-S4.04-2992 GRC

[Extreme Environment System Integration Techniques for Venus In-Situ Processing](#) [99]

- **Paragon Space Development Corporation**

3481 East Michigan Street

Tucson, AZ 85714

Carole Leon (520) 382-4813

19-2-Z10.01-3542 JSC

[Ellipsoidal Propellant Tank \(EPT\)](#) [100]

- **Paragon Space Development Corporation**

3481 East Michigan Street

Tucson, AZ 85714

Carole Leon (520) 382-4813

19-2-H3.02-3541 ARC

[Separation Technology of On-Orbit Liquid and Excrement \(STOOLE\)](#) [101]

- **Phoenix Integration**

1715 Pratt Drive, Suite 2000

Blacksburg, VA 24060

Robin Campbell (540) 961-7215

19-2-S5.04-3336 JPL

[EngineeringHub: A Trusted Collaborative Framework for Model Based Engineering Sharing](#) [102]

- **Physical Sciences, Inc.**

20 New England Business Center

Andover, MA 01810

B. David Green (978) 689-0003

19-2-Z12.01-2741 GRC

[Solar Concentrator System for Lunar ISRU Applications](#) [103]

- **Plasma Processes, LLC**

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

19-2-Z10.03-3769 GRC

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- **Polaronyx, Inc.**

2526 Qume Drive, Suites 17 and 18

San Jose, CA 95131

Jian Liu (408) 573-0930

19-2-Z10.02-2650 GRC

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- **Precision Combustion, Inc.**

410 Sackett Point Road

North Haven, CT 06473

Anthony Anderson (203) 287-3700

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- **Predictive Science, Inc.**

9990 Mesa Rim Road, Suite 170

San Diego, CA 92121

Meaghan Marsh (858) 450-6494

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- **Prixarc, LLC**

2673 Commons Boulevard, Suite 55

Beavercreek, OH 45431

Vamsy Chodavarapu (937) 782-8206

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- **Protoinnovations, LLC**

5453 Albemarle Avenue

Pittsburgh, PA 15217

Dimitrios Apostolopoulos (412) 916-8807

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- **QorTek, Inc.**

5933 N Route 220 Hwy

Linden, PA 17744

Zachary Stimely (570) 322-2700

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- **Qualtech Systems, Inc.**

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100 Corporate Place, Suite 220

Rocky Hill, CT 06067

Marta Olenick (860) 761-9362

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- **Quantitative Scientific Solutions, LLC**

4601 N Fairfax Drive, Suite 1200

Arlington, VA 22203

David Guarrera (516) 669-2166

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- **Quantum Applied Science and Research, Inc.**

16744 West Bernardo Drive

San Diego, CA 92127

Tracey Wrightson (858) 412-1800

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- **Quartus Engineering, Inc.**

9689 Towne Centre Drive

San Diego, CA 92121

Andrea Cuneo (858) 875-6988

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- **Qubitekk**

1400 Norris Road

Bakersfield, CA 93308

Corey McClelland (858) 412-9545

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- **QuesTek Innovations, LLC**

1820 Ridge Avenue

Evanston, IL 60201

Kevin Creely (847) 328-5800

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- **Radiation Detection Technologies, Inc.**

4615 Dwight Drive

Manhattan, KS 66502

Grace Friedel (785) 532-7087

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- **RC Integrated Systems, LLC**

24234 Madison Street

Torrance, CA 90505

Naibing Ma (760) 383-1218

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- **Robust Analytics**

1302 Cronson Boulevard, Suite B

Crofton, MD 21114

Peter Kostiuk (410) 980-3667

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- **Rocket Propulsion Systems, LLC**

6127 Northeast 2nd Lane

Renton, WA 98059

Maksud (Max) Ismailov (425) 516-8677

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- **Scientific Applications & Research Associates, Inc.**

6300 Gateway Drive

Cypress, CA 90630

Ruth Craig (714) 224-4410

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- **SciGlob Instruments & Services, LLC**

4656 Tall Maple Court

Ellicott City, MD 21043

Matthew Kowalewski (443) 420-7561

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- **SeeQC, Inc.**

175 Clearbrook Road

Elmsford, NY 10523

Oleg Mukhanov (941) 592-1190

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- **Simultac, LLC**

1640 S Bellemeade Drive

Bloomington, IN 47401

Kim Rodman (812) 360-2409

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- **Soar Technology, Inc.**

3600 Green Court, Suite 600

Ann Arbor, MI 48105

Lindsay Bayles (734) 887-7609

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- **Space Hazards Applications, LLC**

1909 Arapahoe Street

Golden, CO 80401

Janet Green (720) 222-0533

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[A Tool for Defining Solar Particle Access to the Magnetosphere \(SPAM\) for Satellite Anomaly Attribution: Phase II](#) [126]

- **Spectral Energies, LLC**

4065 Executive Drive

Dayton, OH 45430

Sukesh Roy (937) 902-6546

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- **Sunlite Science & Technology, Inc.**

4811 Quail Crest Place

Lawrence, KS 66049

Fong Suo (785) 393-2538

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- **ThermAvant Technologies, LLC**

2508 Paris Road

Columbia, MO 65202

Joseph Boswell (573) 397-6912

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[A Multifunctional Hypersonic Leading Edge with Integrated Thermal Management](#) [129]

- **Ultrasonic Technology Solutions**

10820 Murdock Dr, Suite 104

Knoxville, TN 37932

John Morris (865) 405-1105

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[Ultra-Efficient Ultrasonic Drying for Spacecraft Solid Waste](#) [130]

- **UMPQUA Research Company**

P.O. Box 609

Myrtle Creek, OR 97457

Tracy Everett (541) 863-2655

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- **University Technical Services, Inc.**

6411 Ivy Lane, Suite 108

Greenbelt, MD 20770

John McKinley (301) 345-3797

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- **Urbineer, Inc.**

1855 Industrial Street, Unit 703

Los Angeles, CA 90021

Stuart Marshall (202) 997-3499

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- **Vestigo Aerospace LLC**

5373 Gardenia Court

West Lafayette, IN 47906

David Spencer (770) 331-2340

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- **Virginia Diodes, Inc.**

979 Second Street, Southeast

Charlottesville, VA 22902

Thomas Crowe (434) 297-3257

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- **Voxel, Inc.**

15985 Northwest Schendel Avenue, Suite 200

Beaverton, OR 97006

Debra Ozuna (971) 223-5646

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- **Windhover Labs**

2115 Castle Drive

League City, TX 77573

Rebecca Benson (409) 370-0173

19-2-A2.02-4236 ARC

[Inexpensive Fault Tolerant Composable Unmanned Aircraft Systems Avionics](#) [137]

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

555 Quince Orchard Road, #510

Gaithersburg, MD 20878

Jennifer Duan (301) 200-8368

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[A Distributed Master-less DC/DC Converter System for the Optimum Utilization of Interconnected Lithium-Based Battery Modules](#) [138]

- **Zero-G Horizons Technologies, LLC**

1472 West International Speedway Blvd.

Daytona Beach, FL 32114

Sathya Gangadharan (386) 212-3412

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