



## Proposals Selected for Negotiation of Contracts

Expand All

- **Alabama (4)**

- **CFD Research Corporation**

- 701 McMillian Way Northwest, Suite D

- Huntsville, AL 35806

- Silvia Harvey (256) 726-4858

- 18-2-A1.01-6962 LaRC

- [An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control](#) [1]

- **Geoplasma, LLC**

- 6703 Odyssey Drive Northwest, Suite 304

- Huntsville, AL 35806

- Timothy McKechnie (256) 851-7653

- 18-2-Z4.01-5513 MSFC

- [Using MISSE-FF to Determine the Effect of the Space Environment on Advanced Thermal Protection Coatings](#) [2]

- **Nexolve Holding Company, LLC**

- 290 Dunlop Boulevard, Southwest Suite 200

- Huntsville, AL 35824

- Paul Dupre (256) 836-7785

- 18-2-Z10.02-6573 MSFC

- [Packaging and Manufacturing Processes to Enable Production of Very Large Solar Sails for Next Generation Missions](#) [3]

- **Nexolve Holding Company, LLC**

- 290 Dunlop Boulevard, Southwest Suite 200

- Huntsville, AL 35824

Paul Dupre (256) 836-7785

18-2-Z4.01-7463 LaRC

[Space Durability Testing via MISSE-FF of CORIN XLS Polyimide with Increased Flexibility and Tear Resistance](#) [4]

- **Arizona (3)**

- **AdValue Photonics, Inc.**

- 3440 East Britannia Drive, Suite 190

- Tucson, AZ 85706

- Shibin Jiang (520) 790-5468

- 18-2-S1.01-8613 GSFC

- [Tunable Single Frequency UV Laser](#) [5]

- **Paragon Space Development Corporation**

- 3481 East Michigan Street

- Tucson, AZ 85714

- Joel Johnson (520) 382-4854

- 18-2-Z2.01-8622 JSC

- [Condensate Separator for Microgravity Conditions \(COSMIC\)](#) [6]

- **ZONA Technology, Inc.**

- 9489 East Ironwood Square Drive

- Scottsdale, AZ 85258

- Jennifer Scherr (480) 945-9988

- 18-2-A1.01-3232 LaRC

- [Discrete Time State-Space Aeroservoelastic Modeling using FUN3D](#) [7]

- **Arkansas (1)**

- **Ozark Integrated Circuits, Inc.**

- 700 West Research Center Boulevard

- Fayetteville, AR 72701

Matt Francis (479) 409-5201

18-2-S4.04-1268 GRC

[Integrated Silicon Carbide Electronics for Venus Surface Actuation](#) [8]

- **California (32)**

- **Advanced Scientific Concepts, LLC**

- 135 East Ortega Street

- Santa Barbara, CA 93101

- Brad Short (805) 966-3331

- 18-2-Z7.01-1603 LaRC

- [Common and Configurable Flash LIDAR Sensor for Space-Based Autonomous Landing, Rendezvous, and Docking Missions](#) [9]

- **Alameda Applied Sciences Corporation**

- 6250 Bullard Drive

- Oakland, CA 94611

- Mahadevan Krishnan (510) 676-4687

- 18-2-Z8.01-1231 GRC

- [High-Impulse, Scalable, Metal Plasma Thruster for Cubesat Missions](#) [10]

- **Alexandre**

- 26 Hop Ranch Cir

- Santa Rosa, CA 95403

- Alexandre Terentiev (707) 540-1765

- 18-2-H10.02-4242 KSC

- [Smart Elastomer Seal with Remote Monitoring for Condition Based Maintenance](#) [11]

- **Allcomp, Inc.**

- 209 Puente Avenue

- City of Industry, CA 91746

- Wei Shih (626) 369-1273

- 18-2-H5.02-1236 MSFC

- [Nano Enhanced 4000 °F CMC for Multiple Use Applications](#) [12]

**AOSense, Inc.**

415 Oakmead Pkwy

Sunnyvale, CA 94085

Jason Burke (408) 636-2643

18-2-S1.10-5403 GSFC

[Tapered Amplifiers for Cold-Atom Optical Systems \(TACOS\)](#) [13]

**ASCA, Inc.**

1720 South Catalina Avenue, Suite 220

Redondo Beach, CA 90277

Sergio Guarro (310) 569-9673

18-2-S5.05-6243 JPL

[Integrated Model-Based Fault-management System Design \(IMFSD\)](#) [14]

**ATAC**

2770 De La Cruz Boulevard

Santa Clara, CA 95050

Alan Sharp (408) 736-2822

18-2-A3.01-8712 ARC

[Near Real-Time Computational Noise Monitoring Tool for UAM e-VTOL Aircraft, Phase II](#) [15]

**ATAC**

2770 De La Cruz Boulevard

Santa Clara, CA 95050

Alan Sharp (408) 736-2822

18-2-A3.02-8802 ARC

[Explainable Artificial Intelligence-Based Verification & Validation for Increasingly Autonomous Aviation Systems](#) [16]

**Banpil Photonics, Inc.**

4800 Patrick Henry Drive, Suit 120

Santa Clara, CA 95054

Achyut Dutta (408) 282-3628

18-2-S1.04-1554 GSFC

[Broadband Uncooled IR Detector Based On Nano-Electromechanical Systems \(NEMS\)](#) [17]

**CASCADE Technologies, Inc.**

2445 Faber Place, Suite 100

Palo Alto, CA 94303

Guillaume Bres (650) 521-0243

18-2-A1.05-1052 LaRC

[Fast, Parallel, High-Quality Voronoi Mesh Generator](#) [18]

**Continental Controls and Design**

20252 Bancroft Circle

Huntington Beach, CA 92646

Lore Hynes (714) 323-4924

18-2-A1.07-7982 GRC

[Less Iron and More Switches Increase Range](#) [19]

**Diversified Technical Systems, Inc.**

1720 Apollo Court

Seal Beach, CA 90740

Randy Boss (562) 493-0158

18-2-H12.03-5563 JSC

[Crew Worn Acceleration Recorder for Spaceflight](#) [20]

**Empirical Systems Aerospace, Inc.**

3580 Sueldo Street

San Luis Obispo, CA 93401

Andrew Gibson (805) 704-1865

18-2-A1.06-8332 ARC

[Validation of UAM Dynamics Modeling Tool Suite Using Scaled Modular Aerial Research Testbed](#) [21]

**eXaminArt, LLC**

325 Langton Avenue

Los Altos, CA 94022

Philippe Sarrazin (650) 799-2118

18-2-S1.07-5802 ARC

[Planetary In-Situ X-Ray Imager for Core Samples](#) [22]

**Freedom Photonics, LLC**

41 Aero Camino

Santa Barbara, CA 93117

Milan Mashanovitch (805) 967-4900

18-2-S1.04-2143 LaRC

[Tiled Silicon-Photomultiplier Array Read-Out Integrated Circuit](#) [23]

**Gigajot Technology, LLC**

3452 E Foothill Boulevard, Suite 360

Pasadena, CA 91107

Saleh Masoodian (617) 899-2545

18-2-S1.05-7362 JPL

[CMOS Photon-Counting Image Sensor with High Spatial Resolution and Room Temperature Operation for High-Performance Visible-Blind UV/EUV Photon Number Resolving](#) [24]

**Inertialwave, Inc.**

311 Carriage Place

Manhattan Beach, CA 90266

Jeremy Popp (425) 974-9402

18-2-S3.04-2473 MSFC

[Compact Precision Space IMU](#) [25]

**Leiden Measurement Technology, LLC**

1230 Mountain View Alviso Road, Suite A

Sunnyvale, CA 94089

Nathan Bramall (510) 301-8980

18-2-S1.07-7303 ARC

[In-Situ Solid Phase Extraction of Chemical Targets \(INSPECT\)](#) [26]

**LongWave Photonics, LLC**

958 San Leandro Avenue

Mountain View, CA 94043

Tsungyu Kao (617) 399-6405

18-2-S1.04-9682 JPL

[High-Power THz Quantum-Cascade VECSEL based Local Oscillator](#) [27]

**Makel Engineering, Inc.**

1585 Marauder Street

Chico, CA 95973

Darby Makel (530) 895-2771

18-2-S1.07-5133 GRC

[Solid-State, Electrochemical Micro-Sensors for Atmospheric Nitrogen and Carbon Dioxide Measurements at the Surface of Venus](#) [28]

**Masten Space Systems, Inc.**

1570 Sabovich Street

Mojave, CA 93501

Matthew Kuhns (216) 308-6111

18-2-Z9.01-8723 MSFC

[PermiAM: Engineered Porosity In-Situ with Fully Dense AM Structure](#) [29]

**Parabilis Space Technologies, Inc.**

1195 Linda Vista Drive, Suite F

San Marcos, CA 92078

David Brynes (619) 750-4484

18-2-H10.01-4583 SSC

[Additively Manufactured Dynamically Adjustable Venturi](#) [30]

**PhotonFoils**

8091 Parkview Drive

Ventura, CA 93001

Bruce Lairson (360) 298-2236

18-2-S1.05-5002 GSFC

[Silicon Carbide Grid Supports for X-Ray Telescopes](#) [31]

**Predictive Science, Inc.**

9990 Mesa Rim Road, Suite 170

San Diego, CA 92121

Meaghan Marsh (858) 450-6494

18-2-S5.06-1137 GSFC

[Interactive Tool for Modeling Multiple Solar Eruptions](#) [32]

**RadMet, LLC**

204 2nd Avenue, MS #523

San Mateo, CA 94401

Stephen Fuerstenau (650) 548-1676

18-2-S1.07-3603 JPL

[Ice Grain Accelerator with Charge Detection Mass Spectrometry](#) [33]

**Senseker Engineering, Inc.**

5383 Hollister Avenue, Suite 230

Santa Barbara, CA 93111

Lilia Barbosa (805) 617-0337

18-2-S1.04-8253 JPL

[Digital Pixel Readout Integrated Circuit for High Dynamic Range Infrared Imaging Applications](#) [34]

**Space Environment Technologies, LLC**

1676 Palisades Drive

Pacific Palisades, CA 90272

W. Kent Tobiska (310) 573-4185

18-2-S5.06-8082 GSFC

[Automated Radiation Measurements for Aerospace Safety - Dual Monitor \(ARMAS-DM\)](#) [35]

**Space Foundry, Inc.**

1035 Aster Avenue, Unit 1120

Sunnyvale, CA 94086

Ram Prasad Gandhiraman (408) 688-6978

18-2-H7.03-8022 ARC

[Plasma Jet Printing Technology for In-Space Manufacturing and In-Situ Resource Utilization](#) [36]

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**Stottler Henke Associates, Inc.**

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402

Nate Henke (650) 931-2719

18-2-H6.01-1038 MSFC

[Anomaly Detection via Topological Feature Map](#) [37]

**Stottler Henke Associates, Inc.**

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402

Nate Henke (650) 931-2719

18-2-H6.03-1022 ARC

[Intelligent, Autonomous Spacecraft Operations Management System](#) [38]

**Transition45 Technologies, Inc.**

22775-B Savi Ranch Parkway

Yorba Linda, CA 92887

Edward Chen (714) 283-2118

18-2-Z10.03-6443 MSFC

[More Ductile Bulk Tungsten](#) [39]

**Xwing, Inc.**

292 Ivy Street, Suite A

San Francisco, CA 94102

Vlad Popescu (404) 725-0703

18-2-A2.02-4092 ARC

[Requirements Management with Bidirectional Traceability in Modern Version Control Systems](#) [40]

• **Colorado (20)**

**Advanced Space, LLC**

2100 Central Avenue Suite 102

Boulder, CO 80301

Bradley Cheetham (720) 545-9189

18-2-H9.03-1177 GSFC

[Sustained Low Altitude Lunar Orbital Missions \(SLALOMs\)](#) [41]

**Altius Space Machines, Inc.**

3001 Industrial Lane, Unit #5

Broomfield, CO 80020

Jonathan Goff (801) 362-2310

18-2-Z4.02-2682 LaRC

[MagTag Modular Interfaces for Palletized Subsystems and Satellites](#) [42]

**Altius Space Machines, Inc.**

3001 Industrial Lane, Unit #5

Broomfield, CO 80020

Jonathan Goff (801) 362-2310

18-2-S4.02-9662 JPL

[Dust Tolerant Electropermanent Magnetic Tool Interface](#) [43]

**Black Swift Technologies, LLC**

3200 Valmont Road, Suite 7

Boulder, CO 80301

Jack Elston (720) 933-4503

18-2-S3.05-2693 AFRC

[Dynamic Soaring for Persistent Venus Upper Atmosphere Observations](#) [44]

**Boulder Nonlinear Systems, Inc.**

450 Courtney Way, Unit 107

Lafayette, CO 80026

Mark Tanner (303) 604-0077

18-2-Z5.03-5072 ARC

[Versatile 3D Imager for Human/Spacecraft Monitoring](#) [45]

**ColdQuanta, Inc.**

3030 Sterling Circle

Boulder, CO 80301

Lisa Pendergast (303) 440-1284

18-2-H9.05-6702 GRC

[Atomic System for Quantum Secure Communications](#) [46]

**Environmental and Life Support Tech.**

6600 East Lookout Drive

Parker, CO 80138

Clifford Jolly (303) 495-2090

18-2-H3.01-5602 JSC

[Controlled-Release Silver Biocide Device](#) [47]

**ExoTerra Resource, LLC**

10499 Bradford Road, Suite 105

Littleton, CO 80127

Michael VanWoerkom (303) 565-6898

18-2-Z8.01-8883 JPL

[Modular Xenon Micro Electric Propulsion System](#) [48]

**Handix Scientific, LLC**

5485 Conestoga Court, Suite 104B

Boulder, CO 80301

Gavin McMeeking (970) 310-5186

18-2-S1.08-4652 LaRC

[An Airborne Continuous Flow Diffusion Chamber for Measuring Ice Nucleating Particles](#) [49]

**LambdaMetrics**

71 Benthaven Place

Boulder, CO 80305

Daniel Feldkhun (303) 717-6598

18-2-S4.02-5902 JPL

[Multimodal Agile Ranging and Velocimetry Instrument](#) [50]

**Opterus Research and Development, Inc.**

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4221 Rolling Gate Road

Fort Collins, CO 80526

Thomas Murphey (505) 250-3006

18-2-Z1.01-5492 GRC

[Composite Blanket Elements for CTA](#) [51]

**Pioneer Astronautics**

11111 West 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

18-2-H1.01-1164 GRC

[Liquid Sorption Pump](#) [52]

**Pioneer Astronautics**

11111 West 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

18-2-H3.02-8532 KSC

[Advanced Organic Waste Gasifier](#) [53]

**ROCCOR, LLC**

2602 Clover Basin Drive, Suite D

Longmont, CO 80503

Stephanie Amend (300) 200-0068

18-2-H5.01-7032 LaRC

[Articulating Solar Panel Energy System \(ASPEN\)](#) [54]

**Skyhaven Systems, LLC**

25557 Bella Vista Circle, PO Box 770252

Steamboat Springs, CO 80477

Michael Kimble (970) 846-0547

18-2-S4.05-9872 JPL

[Contamination Control System Via Vapor Hydrogen Peroxide Sterilization](#) [55]

**Space Lab Technologies, LLC**

5455 Spine Road, Suite ME

Boulder, CO 80301

Christine Escobar (720) 309-8475

18-2-H4.01-6512 JSC

[Low Pressure Drop Oxygen Flow Meter for the PLSS](#) [56]

**Sporian Microsystems, Inc.**

515 Courtney Way, Suite B

Lafayette, CO 80026

Kevin Harsh (303) 516-9075

18-2-S1.07-6153 GRC

[Pressure Sensors for Glenn Extreme Environment Rig and Planetary Science Applications](#) [57]

**Sporian Microsystems, Inc.**

515 Courtney Way, Suite B

Lafayette, CO 80026

Kevin Harsh (303) 516-9075

18-2-H5.02-3743 AFRC

[Polymer Derived Ceramic Based Structural Thermal Protection Systems for Atmospheric Entry Vehicles](#) [58]

**TDA Research, Inc.**

12345 West 52nd Avenue

Wheat Ridge, CO 80033

John Wright (303) 940-2300

18-2-A1.10-1123 GRC

[Ceramic Springs](#) [59]

**Tendeg, LLC**

1772 Prairie Way, Unit A

Louisville, CO 80027

Gregg Freebury (303) 929-4466

18-2-S1.02-1173 JPL

[High Aspect Ratio Cylindrical Parabolic Antenna for Microsats](#) [60]

• **Connecticut (6)**

**Advanced Fuel Research, Inc.**

87 Church Street

East Hartford, CT 06108

Michael Serio (860) 528-9806

18-2-H4.01-3333 JSC

[Innovative, Rapidly Regenerable, Structured Trace-Contaminant Sorbents Fabricated Using 3D Printing](#) [61]

**Connecticut Analytical Corporation**

696 Amity Road

Bethany, CT 06524

Joseph Bango (203) 393-9666

18-2-S1.07-1216 ARC

[In-Situ Electro spray Capture of Organic Bearing Particulates from Comets and Celestial Bodies](#) [62]

**Connecticut Analytical Corporation**

696 Amity Road

Bethany, CT 06524

Joseph Bango (203) 393-9666

18-2-S4.06-1227 JPL

[In-Situ Electro spray Capture of Organic Bearing Particulates from Alien Water Fountains](#) [63]

**Katabasis Engineering, LLC**

708 Goodale Hill Road

Glastonbury, CT 06033

Allen Witkowski (860) 690-2243

18-2-Z11.01-1793 LaRC

[Textile Strain Measurement System](#) [64]

**Qualtech Systems, Inc.**

100 Corporate Place, Suite 220

Rocky Hill, CT 06067

Sudipto Ghoshal (860) 761-9341

18-2-S5.05-2852 MSFC

[Model-Based Design Assessment and FM Visualization Technologies in TEAMS](#) [65]

**REM Chemicals Inc. dba REM Surface Engineering**

325 West Queen Street

Southington, CT 06489

Nathan Michaud (860) 621-6755

18-2-Z3.01-5453 MSFC

[Post-Process Optimizing of Additive-Manufactured Nickel-Based Superalloys](#) [66]

• **District of Columbia (1)**

**CGH Technologies, Inc.**

600 Maryland Avenue, Southwest Suite 800W

Washington, DC 20024

Cindy Troutman (202) 580-7401

18-2-A3.02-7003 LaRC

[Integrated Adaptive Route Capability](#) [67]

• **Florida (8)**

**BEAM Engineering for Advanced Measurements**

1300 Lee Road

Orlando, FL 32810

Anna Tabirian (407) 734-5222

18-2-S2.01-6583 JPL

[Broadband Vector Vortices for High Contrast Coronagraphy](#) [68]

**City Labs, Inc.**

12491 Southwest 134 Court, Suite #23

Miami, FL 33186

Peter Cabauy (305) 909-7593

18-2-S3.01-6263 GRC

[5 Watt per Kilogram Tritium Betavoltaic](#) [69]

**Interdisciplinary Consulting Corporation**

5745 Southwest 75th Street, #364

Gainesville, FL 32608

David Mills (812) 204-9206

18-2-A1.08-2622 LaRC

[Capacitive Vector Skin Friction Measurement Systems for Complex Flow Fields](#) [70]

**Made in Space, Inc.**

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Kevin DiMarzio (941) 408-5504

18-2-H8.01-7193 JSC

[Glass Alloy in Microgravity \(GAMMA\)](#) [71]

**Made in Space, Inc.**

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Justin Kugler (713) 855-3333

18-2-S2.02-1106 GSFC

[Precision In-Space Manufacturing for Structurally-Connected Space Interferometry](#) [72]

**Pegasense, LLC**

1511 East State Road 434, Suite 2001

Winter Springs, FL 32708

Svetlana Malocha (407) 766-5783

18-2-Z11.01-4832 LaRC

[4.3 GHz Passive Wireless Sensor System](#) [73]

**R Cubed Engineering, LLC**

4103 11th Street Court West, Unit #203



Palmetto, FL 34221

RaNae Contarino (202) 271-9698

18-2-A3.01-9912 LaRC

[Independent Authentication of ADS-B And Transponder Equipped Aircraft Location](#) [74]

**Streamline Numerics, Inc.**

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

18-2-H10.01-2362 SSC

[High Performance Solver for Coupled Cavitation and Fluid-Structure Interaction in Cryogenic Environments](#) [75]

• **Georgia (1)**

**Blink Astro, LLC**

1050 Crown Pointe Parkway, Suite 1400

Atlanta, GA 30338

Evelyn Pederson (770) 379-8018

18-2-Z8.02-7603 GRC

[Delay-Tolerant Radio for Cooperative Groups of Small Spacecraft](#) [76]

• **Illinois (3)**

**CU Aerospace, LLC**

3001 Newmark Drive

Champaign, IL 61822

David Carroll (217) 239-1703

18-2-H9.03-5452 GSFC

[Dynamically Leveraged Automated \(N\) Multibody Trajectory Optimization](#) [77]

**Hinetics, LLC**

60 Hazelwood Drive

Champaign, IL 61820

Danny Lohan (217) 239-1628

18-2-A1.07-8322 GRC

[Integrated High Frequency Electric Propulsor for Turbo-Electric Aircraft](#) [78]

**Sivananthan Laboratories, Inc.**

590 Territorial Drive, Unit H

Bolingbrook, IL 60440

Paul Boieriu (630) 226-0080

18-2-S5.03-1266 GSFC

[Advancing Hyperspectral Imaging through Integrated Compressive Sensing / Inpainting via Machine Learning](#) [79]

• **Kansas (1)**

**Design Analysis & Research Corporation**

910 East 29th

Lawrence, KS 66046

Willem Anemaat (785) 832-0434

18-2-A2.02-3903 AFRC

[Evolving and Certifiable Autopilot for Unmanned Aerial Systems](#) [80]

• **Louisiana (2)**

**C-Suite Services, LLC**

114 Mulberry Drive

Metairie, LA 70005

Kevin Pollard (303) 594-4300

18-2-H10.01-4202 SSC

[Balanced Floating Piston Valve for Ultra-High Pressure, High-Volume Liquid and Gaseous Flow Control](#) [81]

**GeoComposites, LLC**

111 Veterans Memorial Boulevard, Suite 1600

Metairie, LA 70005

Amy Trosclair (504) 405-3386

18-2-H7.01-9532 MSFC

[Development of Fiber Reinforced Composite Feedstock for In-Space Manufacturing of High Strength Parts](#) [82]

- **Maryland (6)**

- **Advanced Analyzer Labs, Inc.**

- 3982 Old Columbia Pike

- Ellicott City, MD 21043

- Huapeng Huang (518) 275-6518

- 18-2-S1.07-6683 GSFC

- [In-Situ X-Ray Imaging System and X-Ray Fluorescence for Planetary Science](#) [83]

- **CoolCAD Electronics, LLC**

- 7101 Poplar Avenue

- Takoma Park, MD 20912

- Lisa Sachar (301) 405-3363

- 18-2-S4.04-1384 GSFC

- [Integrated On-Chip Power for Harsh Environments](#) [84]

- **Intelligent Automation, Inc.**

- 15400 Calhoun Drive, Suite 190

- Rockville, MD 20855

- Mark James (301) 294-5221

- 18-2-A1.05-3443 LaRC

- [Probabilistic Formulation of Multi-Fidelity Aerodynamic Databases \(ProForMA\)](#) [85]

- **Robust Analytics**

- 1303 Cronson Boulevard, Suite B

- Crofton, MD 21114

- Peter Kostiuk (410) 980-3667

- 18-2-A3.03-2193 ARC

[Dispatch Operations and Control for Autonomous Fleets](#) [86]

**Robust Analytics**

1303 Cronson Boulevard, Suite B

Crofton, MD 21114

Peter Kostiuk (410) 980-3667

18-2-A3.03-6812 ARC

[Real-Time Flight and Airspace Risk Monitoring for Airline Operations](#) [87]

**X-wave Innovations, Inc.**

555 Quince Orchard Road, #510

Gaithersburg, MD 20878

Jennifer Duan (301) 200-8368

18-2-A2.01-1230 ARC

[An Early and In-Situ Cell Failure Detection and Reconditioning System for Lithium-Ion Batteries](#) [88]

• **Massachusetts (8)**

**American Superconductor Corporation**

114 East Main Street

Ayer, MA 01432

Glenn Driscoll (508) 797-2560

18-2-Z1.03-1804 GRC

[Fission Stirling Converter](#) [89]

**Boston Micromachines Corporation**

30 Spinelli Place, Suite 103

Cambridge, MA 02138

Tracy Raymond (617) 868-4178

18-2-S2.01-8142 JPL

[Primary Tweeters: Segmented Micro-Mirrors for Picometer-Scale Wavefront Compensation in Space-Based Observatories](#) [90]

**Busek Company, Inc.**

11 Tech Circle

Natick, MA 01760

Judy Budny (508) 655-5565

18-2-Z8.01-1140 JPL

[Low Impulse Bit Electropray Thruster Control](#) [91]

**Giner, Inc.**

89 Rumford Avenue

Newton, MA 02466

Cortney Mittelsteadt (781) 529-0529

18-2-H4.02-6292 JSC

[Electrochromic Laminates For Advanced Spacesuit Visors](#) [92]

**Giner, Inc.**

89 Rumford Avenue

Newton, MA 02466

Cortney Mittelsteadt (781) 529-0529

18-2-S3.03-6272 GRC

[High Energy Density Lithium-Sulfur Battery with Improved Cycle Life](#) [93]

**Incom, Inc.**

294 Southbridge Road

Charlton, MA 01507

Steven Morrill (508) 909-2316

18-2-S1.06-1093 GSFC

[Curved Microchannel Plates and Collimators for Spaceflight Mass Spectrometers](#) [94]

**Solid Material Solutions, LLC**

55 Middlesex Street, Suite 205

North Chelmsford, MA 01863

Alexander Otto (978) 808-9016

18-2-A1.07-8763 GRC

[Bi2212 Superconductors for High-Power Density Motors for Aero Propulsion](#) [95]

**Triton Systems, Inc.**

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200 Turnpike Road

Chelmsford, MA 01824

Collette Jolliffe (978) 856-4158

18-2-Z2.01-4863 GSFC

[Thermochromics with Very Low Transition Temperature](#) [96]

- **Michigan (3)**

- **Great Lakes Sound & Vibration, Inc**

- 47140 North Main Street

- Houghton, MI 49931

- Steven Mattson (906) 482-7535

- 18-2-A1.06-1842 LaRC

- [Auralization of Vertical Take-Off and Landing \(VTOL\) in Urban Environments](#) [97]

- **Quantum Opus, LLC**

- 22241 Roethel Drive, Suite A

- Novi, MI 48375

- Aaron Miller (269) 248-1004

- 18-2-H9.05-2274 GRC

- [Ultra-Compact, Field-Deployable, Quantum-Compatible Receiver for Free-Space Optical Communication](#) [98]

- **Xiomas Technologies, LLC**

- 609 Liberty Pointe Drive

- Ann Arbor, MI 48103

- John Green (734) 646-6535

- 18-2-S1.08-7453 LaRC

- [Three Band Thermal Infrared Detector for CubeSats and UAS](#) [99]

- **Missouri (1)**

- **ThermAvant Technologies, LLC**

- 1000 Pannell Street, Suite A

Columbia, MO 65201

Joseph Boswell (573) 397-6912

18-2-Z2.01-2234 GRC

[A Next Generation Spacecraft Heat Rejection System](#) [100]

- **Montana (2)**

- **Anasphere, Inc.**

- 168 Skyway Boulevard, Unit 3

- Belgrade, MT 59714

- John Bognar (406) 595-3286

- 18-2-S1.08-3343 GSFC

- [Low-Cost Mixed-Phase Cloud Characterization Sensor Suite](#) [101]

- **Resonon, Inc.**

- 123 Commercial Drive

- Bozeman, MT 59715

- John Gallub (406) 586-3356

- 18-2-S1.08-5913 LaRC

- [ARCSTONE Improvements](#) [102]

- **New Hampshire (2)**

- **Creare, LLC**

- 16 Great Hollow Road

- Hanover, NH 03755

- Robert Kline-Schoder (603) 640-2487

- 18-2-Z10.01-1251 GRC

- [Lightweight, Reliable Cryogenic Screen Channel Acquisition Devices with High Expulsion Efficiency](#) [103]

- **Creare, LLC**

- 16 Great Hollow Road

- Hanover, NH 03755

Robert Kline-Schoder (603) 640-2487

18-2-S1.09-9542 GSFC

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- **New Jersey (1)**

**Continuum Dynamics, Inc.**

34 Lexington Avenue

Ewing, NJ 08618

Barbara Agans (609) 538-0444

18-2-A1.09-5493 GRC

[Integrated Icing Detection Filter for On-Demand Aircraft](#) [105]

- **New Mexico (1)**

**Goodman Technologies, LLC**

9551 Giddings Avenue Northeast

Albuquerque, NM 87109

William Goodman (505) 400-8169

18-2-H9.01-8113 JPL

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- **New York (1)**

**Nohms Technologies**

1200 Ridgeway Avenue, Suite 110

Rochester, NY 14615

John Compa (585) 645-0041

18-2-H4.01-1086 JSC

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• **Ohio (5)**

**Cornerstone Research Group, Inc.**

510 Earl Boulevard

Miamisburg, OH 45342

Chrysa Theodore (937) 320-1877

18-2-H7.02-7912 MSFC

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**Faraday Technology, Inc.**

315 Huls Drive

Englewood, OH 45315

E. Jennings Taylor (937) 836-7749

18-2-S2.04-1032 GSFC

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**SK Infrared, LLC**

801 University Boulevard Southeast, Suite 205

Columbus, OH 43212

Earl Fuller (505) 250-1196

18-2-H9.05-2403 GRC

[Field Programmable Short Wave Infrared Photodetectors](#) [110]

**Spectral Energies, LLC**

4065 Executive Drive

Dayton, OH 45430

Sivaram Gogineni (937) 266-9570

18-2-A1.04-3313 GRC

[Novel Methodology for the Rapid Acoustic Optimization of Supersonic Multi-Stream 3D Nozzles](#) [111]

**Universal Technology Corporation**

1270 North Fairfield Road

Dayton, OH 45432

Jason Sav (937) 426-2808

18-2-Z3.01-3442 LaRC

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- **Oregon (2)**

- **e-beam, Inc.**

- 21070 Southwest Tile Flat Road

- Beaverton, OR 97007

- Bernard Vancil (503) 628-0703

- 18-2-Z10.02-2662 JPL

- [LaB6 and Iodine Resistant Miniature Cathodes for Small Thrusters](#) [113]

- **Voxel, Inc.**

- 15985 Northwest Schendel Avenue, Suite 200

- Beaverton, OR 97006

- Debra Ozuna (971) 223-5646

- 18-2-S1.04-4343 LaRC

- [Single Photon Counting LIDAR Sensor](#) [114]

- **Pennsylvania (6)**

- **Actuated Medical, Inc.**

- 310 Rolling Ridge Drive

- Bellefonte, PA 16823

- Chris Lahr (814) 355-0003

- 18-2-H7.01-1165 MSFC

- [Additive Manufacturing of PEEK and Fiber-Reinforced PEEK for NASA Applications and Custom Medical Devices](#) [115]

- **Advanced Cooling Technologies, Inc.**

- 1046 New Holland Avenue

- Lancaster, PA 17601

- William Anderson (717) 205-0602

- 18-2-Z2.01-9202 MSFC

[Variable View Factor Two-Phase Radiator](#) [116]

**GOEPPERT, LLC**

2200 Arch Street, Unit 504

Philadelphia, PA 19103

Vanya Buvac (267) 687-9996

18-2-S1.11-3492 GRC

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**Near Earth Autonomy, Inc.**

150 North Lexington Street

Pittsburgh, PA 15208

Marcel Bergerman (412) 513-6110

18-2-A2.02-8643 LaRC

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**Protoinnovations, LLC**

5453 Albemarle Avenue

Pittsburgh, PA 15217

Dimitrios Apostolopoulos (412) 916-8807

18-2-Z5.02-3093 ARC

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**QorTek, Inc.**

1965 Lycoming Creek Road, Suite 205

Williamsport, PA 17701

Cathy Bower (570) 322-2700

18-2-Z1.03-9812 GRC

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• **Texas (6)**

**Invocon, Inc.**

19221 I-45 South, Suite 530

Conroe, TX 77385

Mary Delahunty (281) 292-9903

18-2-Z11.01-4943 LaRC

[Hypervelocity Impact Detection, Location, and Assessment for Thermal Protection Systems](#) [121]

**Lynntech, Inc.**

2501 Earl Rudder Freeway South

College Station, TX 77845

Darla Hisaw (979) 764-2219

18-2-S5.02-9802 GSFC

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**Silicon Space Technology Corporation**

1501 South MoPac Expressway, Suite 350

Austin, TX 78746

Ross Bannatyne (512) 550-2954

18-2-S3.08-1402 JPL

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**Thermal Expansion Solutions, Inc.**

501 Graham Road

College Station, TX 77845

James Monroe (956) 789-3723

18-2-S2.03-7013 MSFC

[Ultra-Stable ALLVAR Alloy Strut Development for Space Telescopes](#) [124]

**TRAC Labs, Inc.**

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

18-2-Z5.02-4103 JSC

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**TRAC Labs, Inc.**

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100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

18-2-A2.01-4853 AFRC

[Electronic Procedure Verification and Workflow Management System](#) [126]

- **Utah (2)**

- **OxEon Energy, LLC**

- 257 River Bend Way, #300

- North Salt Lake, UT 84054

- Lyman Frost (801) 677-3001

- 18-2-H1.01-5243 JSC

- [Redox Tolerant Cathode for Solid Oxide Electrolysis Stacks](#) [127]

- **Sequent Logic, LLC**

- 1300 North 200 East, Suite 118

- Logan, UT 84341

- Ryan Seeley (435) 915-4425

- 18-2-Z7.01-5262 ARC

- [Fiber Optic Sensing System for Entry Descent and Landing](#) [128]

- **Virginia (11)**

- **Barron Associates, Inc.**

- 1410 Sachem Place, Suite 202

- Charlottesville, VA 22901

- Connie Hoover (434) 973-1215

- 18-2-A3.02-2993 LaRC

- [Turbulence Modeling and Risk-Based Planning to Enable Safe Autonomous Operations](#) [129]

- **COMPUTATIONAL PHYSICS, INC. (CPI)**

- 8001 Braddock Road, Suite 210

Springfield, VA 22151

Sharon Galloway (703) 764-7501

18-2-S1.01-1174 LaRC

[A High Speed Tunable Etalon for LIDAR](#) [130]

**Fibertek, Inc.**

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-2-Z7.01-4632 ARC

[Planetary Landing Lidar](#) [131]

**Fibertek, Inc.**

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-2-Z8.02-6032 GSFC

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**J2F Engineering**

113 Lupine Lane

Charlottesville, VA 22911

Jerome Ferrance (434) 987-2036

18-2-S1.11-4912 GSFC

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**Micro Harmonics Corporation**

20 South Roanoke Street, Suite 202

Fincastle, VA 24090

Diane Kees (540) 473-9983

18-2-S1.03-5363 JPL

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**MicroXact, Inc.**

6580 Valley Center Drive, Suite 312

Radford, VA 24141

Elena Kochergina (540) 394-4040

18-2-S1.06-7243 GSFC

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**Mosaic ATM, Inc.**

540 Fort Evans Road Northeast, Suite 300

Leesburg, VA 20176

Chris Stevenson (540) 454-7458

18-2-A3.02-4692 ARC

[Autonomous Assessment of Airspace Operations](#) [136]

**Pancopia, Inc.**

1100 Exploration Way, Suite 302Q

Hampton, VA 23666

William Cumbie (757) 325-6803

18-2-H3.01-4352 JSC

[Second-Sage Biological Wastewater Processor](#) [137]

**Technology in Blacksburg, Inc.**

265 Industrial Drive

Christiansburg, VA 24073

Tamara Murray (540) 381-8502

18-2-A1.02-1269 GRC

[Reduced-Order Acoustic Prediction Tool for Ducted Fan Noise Sources Including Inflow Distortion and Turbulence Ingestion](#) [138]

**Virginia Diodes, Inc.**

979 Second Street, Southeast

Charlottesville, VA 22902

Thomas Crowe (434) 297-3257

18-2-S1.03-1255 GSFC

[GaAs Schottky Diode Technology for Terahertz Harmonic Mixers](#) [139]

- **Washington (3)**

- **Michael Magnin**

- 17024 Northeast 135th Court

- Redmond, WA 98052

- Michael Magnin (425) 497-9963

- 18-2-H6.02-1148 ARC

- [Resilience-Based Optimization of Space Systems](#) [140]

- **Tethers Unlimited, Inc.**

- 11711 North Creek Parkway South, Suite D113

- Bothell, WA 98011

- Robert Hoyt (425) 486-0100

- 18-2-Z5.03-1584 ARC

- [AstroPorter](#) [141]

- **Ultra Safe Nuclear Corporation**

- 2288 West Commodore Way, Suite 300

- Seattle, WA 98199

- Paolo Venneri (858) 342-4837

- 18-2-Z10.03-8423 MSFC

- [Novel Technologies for Efficient NTP Reactor Decay Heat Removal and Utilization](#) [142]

- **Wyoming (1)**

- **Scientific Simulations, LLC**

- 1582 Inca Drive

- Laramie, WY 82072

- Dimitri Mavriplis (307) 399-8717

- 18-2-A1.04-5483 GRC

- [Optimization of Supersonic Jet Noise Using a Reynolds-Averaged Navier-Stokes Approach](#) [143]



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