



Proposals Selected for Negotiation of Contracts

Expand All

- **Focus Area 1 In-Space Propulsion Technologies (11)**

Amphionic, LLC

875 North Lima Center Road

Dexter, MI 48130

Mark Hammig (734) 660-9412

18-1-Z10.03-5233 GRC

[Dust-Free Fabrication of Uranium and Plutonium Oxide Powders for Radioisotope Systems, Nuclear Thermal Rockets, Nuclear Electric Propulsion, and Surface Power Reactors](#) [1]

ASRC Federal Astronautics, LLC

289 Dunlop Blvd., Bldg. 300

Huntsville, AL 35824

Heather Gooden (256) 562-2072

18-1-Z10.01-3302 MSFC

[Additively Manufactured Propellant Tanks with Integral Propellant Acquisition Device](#) [2]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

18-1-Z10.02-2793 JPL

[3D Printing Magnetic Circuit Components for Hall Effect Thrusters](#) [3]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

18-1-Z10.02-6572 GRC

[Iodine-Compatible Photocathode for RF Ion Thrusters](#) [4]

Creare, LLC

16 Great Hollow Road

Hanover, NH 3755

Robert Kline-Schoder (603) 640-2487

18-1-Z10.01-1251 GRC

[Lightweight, Reliable Cryogenic Screen Channel Acquisition Devices with High Expulsion Efficiency](#) [5]

e-beam, Inc.

21070 Southwest Tile Flat Road

Beaverton, OR 97007

Bernard Vancil (503) 628-0703

18-1-Z10.02-2662 JPL

[LaB6 and Iodine Resistant Miniature Cathodes for Small Thrusters](#) [6]

Gloyer-Taylor Laboratories, LLC

112 Mitchell Boulevard

Tullahoma, TN 37388

Paul Gloyer (931) 455-7333

18-1-Z10.01-5782 JSC

[High Performance PMD](#) [7]

Nexolve Holding Company, LLC

290 Dunlop Blvd. SW STE 200

Huntsville, AL 35824

James Moore (256) 337-6752

18-1-Z10.02-6573 MSFC

[Packaging and Manufacturing Processes to Enable Production of Very Large Solar Sails for Next Generation Missions](#) [8]

TGV Rockets, Inc.

2519 Benning Road Northeast

Washington, DC 20002

Pat Bahn (240) 462-8848

18-1-Z10.03-3793 MSFC

[A Decoupled Hydrogen Boost Electropump for Nuclear Thermal Propulsion](#) [9]

Transition45 Technologies, Inc.

1739 North Case Street

Orange, CA 92865

Edward Chen (714) 283-2118

18-1-Z10.03-6443 MSFC

[More Ductile Bulk Tungsten](#) [10]

Ultra Safe Nuclear Corporation

2288 West Commodore Way, Suite 300

Seattle, WA 98199

Paolo Venneri (858) 342-4837

18-1-Z10.03-8423 GRC

[Novel Technologies for Efficient NTP Reactor Decay Heat Removal and Utilization](#) [11]

• **Focus Area 2 Power, Energy and Storage (15)**

AK Circuit Corporation

3430 Warwick Court

Canfield, OH 44406

Frank Li (330) 980-8950

18-1-S3.03-1178 GRC

[Autonomous Modular Digital Controllers for Long Duration Space Flights](#) [12]

American Superconductor Corporation

64 Jackson Road

Devens, MA 1434

Glenn Driscoll (978) 842-3055

18-1-Z1.03-1804 GRC

[Fission Stirling Converter](#) [13]

ATA Engineering, Inc.

13290 Evening Creek Drive South, Suite 250

San Diego, CA 92128

Joshua Davis (858) 480-2028

18-1-Z1.01-3402 GRC

[Adaptable Portable Gravity Offloading System for Deployable Solar Array Structures](#) [14]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

18-1-S3.03-1064 GRC

[Compact High Efficiency GaN-based PPU](#) [15]

City Labs, Inc.

301 Civic Court

Homestead, FL 33030

Peter Cabauy (305) 909-7593

18-1-S3.01-6263 GRC

[5 Watt per Kilogram Tritium Betavoltaic](#) [16]

Deployable Space Systems, Inc.

460 Ward Drive, Suite F

Santa Barbara, CA 93111

Brian Spence (805) 722-8090

18-1-S3.01-7163 GRC

[Lightweight and Affordable Solar Array System for NASA Solar Electric Propulsion Science Missions](#) [17]

Dexmat, Inc.

2429 Bissonnet Street

Houston, TX 77005

Alberto Goenaga (805) 895-8628

18-1-S3.03-1043 GRC

[Robust Lightweight CNT Wiring for Space Systems](#) [18]

Giner, Inc.

89 Rumford Avenue

Newton, MA 2466

Cortney Mittelsteadt (781) 529-0529

18-1-S3.03-6272 GRC

[High Energy Density Lithium-Sulfur Battery with Improved Cycle Life](#) [19]

Mark O'Neill, LLC

812 Belinda Drive

Keller, TX 76248

Mark O'Neill (817) 380-5930

18-1-S3.01-4262 GRC

[Space PV Concentrators for Outer Planet and Near-Sun Missions, Using Ultra-Light Fresnel Lenses Made with Vanishing Tools](#) [20]

MicroLink Devices, Inc.

6457 Howard Street

Niles, IL 60714

Noren Pan (847) 588-3001

18-1-S3.01-1723 GRC

[High Yield, High Efficiency Epitaxial Lift-Off Solar Cells for LILT Applications](#) [21]

Opterus Research and Development, Inc.

4221 Rolling Gate Road

Fort Collins, CO 80526

Thomas Murphey (505) 250-3006

18-1-Z1.01-5492 GRC

[Composite Blanket Elements for CTA](#) [22]

QorTek, Inc.

1965 Lycoming Creek Road, Suite 205

Williamsport, PA 17701

Cathy Bower (570) 322-2700

18-1-S3.03-8502 GRC

[Advanced High Frequency High Voltage Power Converter](#) [23]

QorTek, Inc.

1965 Lycoming Creek Road, Suite 205

Williamsport, PA 17701

Cathy Bower (570) 322-2700

18-1-Z1.03-9812 GRC

[Reduced Shielding, Rugged, Scalable-Electrical Power Converter for Fission-Power Systems](#) [24]

ROCCOR, LLC

2602 Clover Basin Drive, Suite D

Longmont, CO 80503

Stephanie Amend (300) 200-0068

18-1-Z1.03-7052 GRC

[Deployable, Compact Composite Radiators for Surface Power Generation](#) [25]

Skyhaven Systems, LLC

405 S. Lincoln Ave., Suite B209, PO Box 770252

Steamboat Springs, CO 80487

Michael Kimble (970) 846-0547

18-1-S3.03-2973 GRC

[High Thermally Conductive and Electrically Insulative Thermal Interface Materials](#) [26]

• **Focus Area 3 Autonomous Systems for Space Exploration (8)**

ASCA, Inc.

1720 S Catalina Ave, Suite 220

Redondo Beach, CA 90277

Sergio Guarro (310) 569-9673

18-1-S5.05-6243 JPL

[Integrated Model-Based Fault-management System Design](#) [27]

ATanalytics

438 Euclid St

Santa Monica, CA 90402

Ann Tai (310) 260-8685

18-1-H6.02-1155 ARC

[Assured Resilience for Autonomous Systems](#) [28]

Michael Magnin

17024 Northeast 135th Court

Redmond, WA 98052

Michael Magnin (425) 497-9963

18-1-H6.02-1148 ARC

[Resilience-Based Optimization of Space Systems](#) [29]

Qualtech Systems, Inc.

100 Corporate Place Suite 220

Rocky Hill, CT 6067

Sudipto Ghoshal (860) 761-9341

18-1-S5.05-2852 MSFC

[Model-Based Design Assessment and FM Visualization Technologies in TEAMS](#) [30]

Singularity - Intelligence Amplified, LLC

5543 Marrowback Road

Conesus, NY 14435

Patrick Kalgren (585) 204-0539

18-1-H6.02-7223 ARC

[Strategic Technologies for Autonomy & Resilience Tools \(START\)](#) [31]

Stottler Henke Associates, Inc.

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402-2516

Nate Henke (650) 931-2719

18-1-H6.03-1022 ARC

[Intelligent, Autonomous Spacecraft Operations Management System](#) [32]

Tietronix Software, Inc.

1331 Gemini Avenue, Suite 300

Houston, TX 77058

Victor Tang (281) 404-7222

18-1-S5.05-6662 JPL

[Toolset for Auto-Generating FM Products](#) [33]

TRAC Labs, Inc.

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

18-1-H6.03-8252 JSC

[Flexible Agent-based Communications for Exploration](#) [34]

• **Focus Area 4 Robotic Systems for Space Exploration (9)**

Altius Space Machines, Inc.

3001 Industrial Lane, Unit #5

Broomfield, CO 80020

Jonathan Goff (801) 362-2310

18-1-S4.02-9662 JPL

[Dust Tolerant Electropermanent Magnetic Tool Interface](#) [35]

Boulder Nonlinear Systems, Inc.

450 Courtney Way, Unit 107

Lafayette, CO 80026

Mark Tanner (303) 604-0077

18-1-Z5.03-5072 ARC

[Versatile 3D Imager for Human/Spacecraft Monitoring](#) [36]

LambdaMetrics

71 Benthaven Pl

Boulder, CO 80305

Daniel Feldkhun (303) 717-6598

18-1-S4.02-5902 JPL

[Multimodal Agile Ranging and Velocimetry INstrument](#) [37]

NK Labs, LLC

288 Norfolk Street, 3rd Floor

Cambridge, MA 2139

Seth Newburg (617) 835-1848

18-1-Z5.03-3163 ARC

[Environmental Mapping Payload Module for Astrobee](#) [38]

Pison Technology Incorporated

262 Beacon Street

Boston, MA 2116

Samuel Karnes (401) 345-3320

18-1-Z5.01-1013 JSC

[Workflow Guidance using XR and Gesture-Driven User Interaction](#) [39]

Protoinnovations, LLC

5453 Albemarle Avenue

Pittsburgh, PA 15217

Dimitrios Apostolopoulos (412) 916-8807

18-1-Z5.02-3093 JSC

[Rover-Based Non-Prehensile Manipulation for Improved Mobility, Scientific Exploration, and Terrain Shaping on Planetary Surfaces](#) [40]

Tethers Unlimited, Inc.

11711 North Creek Parkway South, Suite D113

Bothell, WA 98011

Robert Hoyt (425) 486-0100

18-1-Z5.03-1584 ARC

[AstroPorter](#) [41]

Tietronix Software, Inc.

1331 Gemini Avenue, Suite 300

Houston, TX 77058

Victor Tang (281) 404-7222

18-1-Z5.01-6763 JSC

[Augmented Reality \(AR\) based Support Platform for Human-Robots Collaboration](#) [42]

TRAC Labs, Inc.

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

18-1-Z5.02-4103 JSC

[ADAMANT: Adaptive Manipulation for Tasks](#) [43]

• **Focus Area 5 Communications and Navigation (12)**

Advanced Space, LLC

2100 Central Avenue Suite 102

Boulder, CO 80301

Bradley Cheetham (720) 545-9189

18-1-H9.03-1177 GSFC

[Sustained Low Altitude Lunar Orbital Missions \(SLALOM\)](#) [44]

Bascom Hunter Technologies, Inc.

7117 Florida Boulevard, Suite 306

Baton Rouge, LA 70806

Brian Fix (225) 590-3553

18-1-H9.05-1079 GRC

[Neuromorphic Processors for Next Generation Systems](#) [45]

ColdQuanta, Inc.

3030 Sterling Cir

Boulder, CO 80301

Lisa Pendergast (303) 440-1284

18-1-H9.05-6702 GRC

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

CU Aerospace, LLC

301 North Neil Street, Suite 502

Champaign, IL 61820

David Carroll (217) 239-1703

18-1-H9.03-5452 GSFC

[Dynamically Leveraged Automated N-Multibody \(DyLAN\) Trajectory Optimization](#) [47]

Digital Optics Technologies, Inc.

1645 Hicks Road, Suite H

Rolling Meadows, IL 60008

Nicholas Condon (847) 358-2592

18-1-S3.04-7622 MSFC

[Chip-Scale Active Fast Light Gyroscope and Accelerometer using Integrated Photonic Technology](#) [48]

Goodman Technologies, LLC

9551 Giddings Avenue Northeast

Albuquerque, NM 87109

William Goodman (505) 400-8169

18-1-H9.01-8113 JPL

[Ultra-Lightweight, Ultra-Stable RoboSiC Additively Manufactured Lasercom Telescope](#) [49]

Inertialwave, Inc.

311 Carriage Place

Manhattan Beach, CA 90266

Jeremy Popp (425) 974-9402

18-1-S3.04-2473 MSFC

[Compact Precision Space IMU](#) [50]

Optonet, Inc.

828 Davis Street, Suite 206

Evanston, IL 60201

Yingyan Huang (847) 722-6980

18-1-H9.01-1001 JPL

[WDM 200Gb/s Optical Transceiver Chip Modules with Quadrature Modulation and RF Transmission Capabilities based on WDM Electronic-Photonic Integration Platform](#) [51]

Orbit Fab, Inc.

21677 Rainbow Drive

Cupertino, CA 95014

Daniel Faber (650) 691-3130

18-1-H9.03-8512 GSFC

[Machine Learning Based Proximity Operations](#) [52]

Quantum Opus, LLC

45211 Helm Street

NOVI, MI 48375

Aaron Miller (269) 248-1004

18-1-H9.05-2274 GRC

[Ultra-Compact, Field-Deployable, Quantum-Compatible Receiver for Free-Space Optical Communication](#) [53]

SK Infrared, LLC

801 University Boulevard Southeast, Suite 205

Columbus, OH 43212

Earl Fuller (505) 250-1196

18-1-H9.05-2403 GRC

[Field Programmable Short Wave Infrared Photodetectors](#) [54]

Space Micro, Inc.

10237 Flanders Court

San Diego, CA 92121

David Strobel (858) 332-0700

18-1-S3.04-5322 GSFC

[CubeSat Compatible, Rad-Hard, Long Lifetime, Miniature Integrated Star Tracker \(MIST\)](#) [55]

- **Focus Area 6 Life Support and Habitation Systems (18)**

- **Advanced Fuel Research, Inc.**

- 87 Church Street

- East Hartford, CT 6108

- Michael Serio (860) 528-9806

- 18-1-H4.01-3333 JSC

- [Innovative, Rapidly Regenerable, Structured Trace-Contaminant Sorbents Fabricated Using 3D Printing](#) [56]

- **AlphaMicron**

- Suite 100, 1950 State Route 59

- Kent, OH 44240

- Alexis McKinney (330) 676-0648

- 18-1-H4.02-1683 JSC

- [Electronic Tint on Demand for EVVA](#) [57]

- **Anticipate Ventures, LLC**

- 1224 West 62nd Street, Suite 2

- Kansas City, MO 64113

- Patrick Piper (816) 844-9649

- 18-1-H12.04-1115 JSC

- [Innovative Disinfection Method to Prevent Foodborne Illness in Spaceflight](#) [58]

- **Environmental and Life Support Tech.**

- 6600 East Lookout Drive

- Parker, CO 80138

- Clifford Jolly (303) 495-2090

- 18-1-H3.01-5602 JSC

- [Controlled-Release Silver Biocide Device](#) [59]

- **Final Frontier Design**

BNY 63 Flushing Ave Unit 163, Bldg 3 Ste 606

Brooklyn, NY 11215

Theodore Southern (347) 512-0082

18-1-H4.03-1265 JSC

[Low Cost Personal Life Support System](#) [60]

Giner, Inc.

89 Rumford Avenue

Newton, MA 2466

Cortney Mittelsteadt (781) 529-0529

18-1-H4.02-6292 JSC

[Electrochromic Laminates For Advanced Spacesuit Visors](#) [61]

Mainstream Engineering Corporation

200 Yellow Place

Rockledge, FL 32955

Michael Rizzo (321) 631-3550

18-1-H4.01-1884 JSC

[Advanced Liquid Cooling and Ventilation Garment](#) [62]

Materials Modification, Inc.

2809-K Merrilee Drive

Fairfax, VA 22031

Tirumalai Sudarshan (703) 560-1371

18-1-H3.01-4923 MSFC

[Capillary Membrane Distillation and Photocatalysis for Water Reclamation During Space Travel](#) [63]

MHI Energy Information Solutions

4011 University Drive, Suite 204

Durham, NC 27707

Matthew Heric (919) 433-2400

18-1-H6.01-8522 MSFC

[Habitat ISHM Using Non-Invasive Load Management Analytics](#) [64]

Nohms Technologies

1200 Ridgeway Avenue, Suite 110

Rochester, NY 14615

John Compa (585) 645-0041

18-1-H4.01-1086 JSC

[Safe, High Energy Batteries for Space Suits](#) [65]

Pancopia, Inc.

1100 Exploration Way, Suite 302Q

Hampton, VA 23666

William Cumbie (757) 344-8607

18-1-H3.01-4352 MSFC

[Second- Sage Biological Wastewater Processor](#) [66]

Pioneer Astronautics

11111 West 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

18-1-H3.02-8532 KSC

[Advanced Organic Waste Gasifier](#) [67]

SERINUS LABS, INC

2150 SHATTUCK AVE PH

Berkeley, CA 94704

Hossain Fahad (512) 351-6068

18-1-H4.01-4593 GSFC

[Multi-Gas Monitoring in Advanced Space Suit Portable Life Support Systems using Chemical Sensitive Field Effect Transistors](#) [68]

Space Lab Technologies, LLC

P.O. Box 448

Pinecliffe, CO 80471

Christine Escobar (720) 309-8475

18-1-H4.01-6512 JSC

[Low Pressure Drop Oxygen Flow Meter for the PLSS](#) [69]

Space Lab Technologies, LLC

P.O. Box 448

Pinecliffe, CO 80471

Christine Escobar (720) 309-8475

18-1-H12.04-2922 JSC

[Pro-WASH - Produce Wash and Aeration for Space Habitats](#) [70]

Stottler Henke Associates, Inc.

1650 South Amphlett Boulevard, Suite 300

San Mateo, CA 94402-2516

Nate Henke (650) 931-2719

18-1-H6.01-1038 GRC

[Anomaly Detection via Topological Feature Map](#) [71]

SweetSense, Inc.

5548 Northeast 18th Avenue

Portland, OR 97211

Dexter Gauntlett (503) 752-3944

18-1-H3.01-8183 GRC

[Nanophotonic and Capillary Assisted Water Recovery](#) [72]

Vuronyx Technologies

5 WALNUT HILL PARK, UNIT 13

Woburn, MA 1801

Yudhisthira Sahoo (781) 309-7448

18-1-H3.01-1185 MSFC

[Capacitive Deionization \(CDI\) for Efficient Desalination of Water in Space](#) [73]

• **Focus Area 7 Human Research and Health Maintenance (2)**

Diversified Technical Systems, Inc.

1720 Apollo Court

Seal Beach, CA 90740

Randy Boss (562) 493-0158

18-1-H12.03-5563 JSC

[Crew Worn Acceleration Recorder for Spaceflight](#) [74]

Mide Technology

200 Boston Avenue, Suite 1000

Medford, MA 2155

Attila Lengyel (781) 306-0609

18-1-H12.03-6883 JSC

[Data Logger for Measuring Body Dynamics in Spaceflight Environment \(MBISE\)](#) [75]

• **Focus Area 8 In-Situ Resource Utilization (8)**

Dioxide Materials, Inc.

3998 FAU Blvd #300

Boca Raton, FL 33431

Rich Masel (217) 239-1400

18-1-H1.01-3023 JSC

[Room Temperature Electrolyzers For Oxygen Generation On Mars](#) [76]

Giner, Inc.

89 Rumford Avenue

Newton, MA 2466

Cortney Mittelsteadt (781) 529-0529

18-1-H1.01-6312 GRC

[Dehydration Resistant And Dimensionally Stable High Performance Membrane](#) [77]

Intelligent Optical Systems, Inc.

2520 West 237th Street

Torrance, CA 90505

Reuben Sandler (424) 263-6305

18-1-H1.01-4012 JPL

[Humidity Monitor for In-Situ Resource Reutilization on Mars](#) [78]

OxEon Energy, LLC

257 River Bend Way, #300

North Salt Lake, UT 84054

Lyman Frost (801) 677-3001

18-1-H1.01-5243 JSC

[Redox Tolerant Cathode for Solid Oxide Electrolysis Stacks](#) [79]

Pioneer Astronautics

11111 West 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

18-1-H1.01-1164 GRC

[Liquid Sorption Pump](#) [80]

Radiation Detection Technologies, Inc.

4615 Dwight Dr.

Manhattan, KS 66502

Grace Friedel (785) 532-7087

18-1-H2.01-7122 KSC

[High-Resolution Scanning of Sub-Surface Lunar Water with Mobile Neutron Energy Spectrometer](#) [81]

Southwest Sciences, Inc.

1570 Pacheco Street, Suite E-11

Santa Fe, NM 87505

Alan Stanton (505) 984-1322

18-1-H1.01-1095 KSC

[Gas Inlet Sensor for Measuring Dust Particle Size Distribution and Concentration](#) [82]

TDA Research, Inc.

12345 West 52nd Avenue

Wheat Ridge, CO 80033

John Wright (303) 940-2300

18-1-H1.01-5093 KSC

[Highly Efficient Separation and Re-circulation of Unreacted CO₂ in Mars ISRU System](#) [83]

- **Focus Area 9 Sensors, Detectors and Instruments (54)**

- **AdValue Photonics, Inc.**

- 3440 East Britannia Drive, Suite 190

- Tucson, AZ 85706

- Shibin Jiang (520) 790-5468

- 18-1-S1.01-8613 GSFC

- [Tunable Single Frequency UV Laser](#) [84]

- **Advanced Analyzer Labs, Inc.**

- 3982 Old Columbia Pike

- Ellicott City, MD 21043

- Huapeng Huang (301) 405-2869

- 18-1-S1.07-6683 GSFC

- [In-Situ X-Ray Imaging System for Planetary Science](#) [85]

- **ADVR, Inc.**

- 2310 University Way, Building 1-1

- Bozeman, MT 59715

- Betsy Heckel (406) 522-0388

- 18-1-S1.01-9132 LaRC

- [Frequency Agile Seed Laser for Orbital Doppler-Shift Compensation](#) [86]

- **Aerodyne Research, Inc.**

- 45 Manning Road

- Billerica, MA 1821

- Jiri Cistecky (978) 932-0217

- 18-1-S1.08-8632 LaRC

- [Size-Resolved Phase Function Monitor](#) [87]

Amethyst Research, Inc.

123 Case Circle

Ardmore, OK 73401

Robert Kuester (580) 657-2575

18-1-S1.09-7043 JPL

[A New Class of Miniaturized Lightweight Highly Efficient Solid State Cryogenic Cooler](#) [88]

Anasphere, Inc.

81 8th Street, #1

Belgrade, MT 59714

John Bognar (406) 595-3286

18-1-S1.08-3343 GSFC

[Low-Cost Mixed-Phase Cloud Characterization Sensor Suite](#) [89]

AOSense, Inc.

415 Oakmead Pkwy

Sunnyvale, CA 94085

Jason Burke (408) 636-2643

18-1-S1.10-5403 GSFC

[Tapered Amplifiers for Cold-Atom Optical Systems \(TACOS\)](#) [90]

Banpil Photonics, Inc.

4800 Patrick Henry Drive, Suit 120

Santa Clara, CA 95054

Achyut Dutta (408) 282-3628

18-1-S1.04-1554 GSFC

[Broadband Uncooled IR Detector Based On Nano-Electromechanical Systems \(NEMS\)](#) [91]

Cactus Materials

7700 S River Parkway

Chandler, AZ 85284

Mohammed Rafiqul Islam (480) 213-4704

18-1-S1.04-2084 JPL

[Wafer Level Hybrid Interconnect Aligned \(Cu/Oxide\) Bonding for 3D Integration of Heterogenous \(Si/GaAs\) Submillimeter-Wave Arrays](#) [92]

Composite Technology Development, Inc.

2600 Campus Drive, Suite D

Lafayette, CO 80026

Lori Bass (303) 664-0394

18-1-S1.02-3053 JPL

[Elastic-Memory Composite Antenna Booms for SmallSats](#) [93]

COMPUTATIONAL PHYSICS, INC. (CPI)

8001 Braddock Road, Suite 210

Springfield, VA 22151

Marc Martinez (703) 764-7501

18-1-S1.01-1174 LaRC

[A High Speed Tunable Etalon for LIDAR](#) [94]

Connecticut Analytical Corporation

696 Amity Road

Bethany, CT 6524

Joseph Bango (203) 393-9666

18-1-S1.07-1216 ARC

[In-Situ Electrospray Capture of Organic Bearing Particulates from Comets and Celestial Bodies](#) [95]

Connecticut Analytical Corporation

696 Amity Road

Bethany, CT 6524

Joseph Bango (203) 393-9666

18-1-S4.06-1227 JPL

[In-Situ Electrospray Capture of Organic Bearing Particulates from Alien Water Fountains](#) [96]

Creare, LLC

16 Great Hollow Road

Hanover, NH 3755

Robert Kline-Schoder (603) 640-2487

18-1-S1.09-9542 GSFC

[High Efficiency 4 K Cryocooler for Space Missions](#) [97]

EmanaTec LLC

1611 Windsor Drive

Harrison, AR 72601

Joe Vance (775) 420-1038

18-1-S1.04-7493 JPL

[Optical Line Filter and Spectrometer based Upon Two-Photon Absorption for Doppler LIDAR at 1.053 um](#) [98]

eXaminArt, LLC

325 Langton ave

Los Altos, CA 94022

Philippe Sarrazin (650) 799-2118

18-1-S1.07-5802 ARC

[Planetary In-Situ X-Ray Imager for Core Samples](#) [99]

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-1-S1.01-6042 LaRC

[Dual Pulsed Pump Laser for Trace Gas Detection](#) [100]

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-1-S1.01-6052 LaRC

[1.65um Pulsed Laser for Space Based Winds](#) [101]

Freedom Photonics, LLC

41 Aero Camino

Santa Barbara, CA 93117

Milan Mashanovitch (805) 967-4900

18-1-S1.04-2143 LaRC

[Tiled Silicon-Photomultiplier Array Read-Out Integrated Circuit](#) [102]

Freedom Photonics, LLC

41 Aero Camino

Santa Barbara, CA 93117

Milan Mashanovitch (805) 967-4900

18-1-S1.01-2153 LaRC

[High Speed Integrated Optical Switch](#) [103]

Gigajot Technology, LLC

2947 Bradley Street, Suite 130

Pasadena, CA 91107

Saleh Masoodian (617) 899-2545

18-1-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](#) [104]

GOEPPERT, LLC

2200 Arch Street, Unit 504

Philadelphia, PA 19103

Vanya Buvac (267) 687-9996

18-1-S1.11-3492 GRC

[Detecting life in Ocean Worlds with low-capacitance solid-state nanopores](#) [105]

Guardion, Inc.

21 Dry dock Avenue, Suite 610E

Boston, MA 2210

Daniel Esposito (603) 769-7265

18-1-S1.05-2353 GSFC

[Nanotechnology based X-ray Detectors for Space Observations](#) [106]

Handix Scientific, LLC

5485 Conestoga Court, Suite 104B

Boulder, CO 80301

Gavin McMeeking (970) 310-5186

18-1-S1.08-4652 LaRC

[An Airborne Continuous Flow Diffusion Chamber for Measuring Ice Nucleating Particles](#) [107]

Impossible Sensing, LLC

911 Washington Avenue, Suite 501

St. Louis, MO 63101

Pablo Sobron (314) 695-6993

18-1-S4.06-7972 JPL

[LACROSS: Life Analysis, Capture, and Retention on an Orbiting Saturn Spacecraft](#) [108]

Incom, Inc.

294 Southbridge Road

Charlton, MA 1507

Steven Morrill (508) 909-2316

18-1-S1.06-1093 GSFC

[Curved Microchannel Plates and Collimators for Spaceflight Mass Spectrometers](#) [109]

Intelligent Automation, Inc.

15400 Calhoun Drive, Suite 190

Rockville, MD 20855

Mark James (301) 294-5221

18-1-S1.02-3513 GSFC

[Universal Signals-Of-Opportunity \(UNISOP\) Sensor Payload for Cube/Small-Satellites](#) [110]

J2F Engineering

113 Lupine Lane

Charlottesville, VA 22911

Jerome Ferrance (434) 987-2036

18-1-S1.11-4912 GSFC

[Utilization of Monolithich Solid phases for sample preparation and processing](#) [111]

Leiden Measurement Technology, LLC

1230 Mountain View Alviso Road, Suite A

Sunnyvale, CA 94089

Nathan Bramall (510) 301-8980

18-1-S1.07-7303 ARC

[In-Situ Solid Phase Extraction of Chemical Targets \(INSPECT\)](#) [112]

LongWave Photonics, LLC

958 San Leandro Avenue

Mountain View, CA 94043

Tsungyu Kao (617) 399-6405

18-1-S1.04-9682 JPL

[High-Power THz Quantum-Cascade VECSEL based Local Oscillator](#) [113]

Luxel Corporation

60 Saltspring Drive, P.O. Box 1879

Friday Harbor, WA 98250

Dianne Hall (360) 378-4137

18-1-S1.05-7083 GSFC

[Improved X-Ray Filters with Al-Sc Alloys and Nanoparticle-Doped Polyimide](#) [114]

Makel Engineering, Inc.

1585 Marauder Street

Chico, CA 95973

Darby Makel (530) 895-2771

18-1-S1.07-5133 GRC

[Solid-State, Electrochemical Micro-Sensors for Atmospheric Nitrogen and Carbon Dioxide Measurements at the Surface of Venus](#) [115]

Micro Harmonics Corporation

20 South Roanoke Street, Suite 202

Fincastle, VA 24090

Diane Kees (540) 473-9983

18-1-S1.03-5363 JPL

[Low-Loss Millimeter-Wave Isolators for Cryogenic Systems](#) [116]

MicroXact, Inc.

6580 Valley Center Drive, Suite 312

Radford, VA 24141

Elena Kochergina (540) 394-4040

18-1-S1.06-7243 GSFC

[Macroporous Si Particle Collimator](#) [117]

MMA Design, LLC

P.O. Box 7804

Loveland, CO 80537

Mitchell Wiens (970) 290-6426

18-1-S1.02-2283 JPL

[A 4 Square Meter High Aspect Ratio X Band Antenna for Small Satellites](#) [118]

Omega Optics, Inc.

8500 Shoal Creek Boulevard, Building 4, Suite 200

Austin, TX 78757

Gloria Chen (512) 996-8833

18-1-S1.01-8783 GSFC

[Monolithically Integrated TCC VCSELs with Surface-Normal 2D Slow-Light PC Waveguide Arrays](#) [119]

Phase Sensitive Innovations, Inc.

51 East Main Street, Suite 201

Newark, DE 19711

Renee' Willis-Williams (302) 456-9003

18-1-S1.03-1502 GSFC

[Hyperspectral Microwave Photonic Radiometer](#) [120]

Photon Systems, Inc.

1512 Industrial Park Street

Covina, CA 91722

Ray Reid (626) 967-6431

18-1-S1.11-7302 JPL

[Remote Investigation of Trace Organics using Cryoluminescence \(RITOC\)](#) [121]

PhotonFoil

8091 Parkview Dr

Ventura, CA 93001

Bruce Lairson (360) 298-2236

18-1-S1.05-5002 GSFC

[Silicon Carbide Grid Supports for X-ray Telescopes](#) [122]

QmagiQ

22 Cotton Road, Unit H, Suite 180

Nashua, NH 3063

Mani Sundaram (603) 821-3092

18-1-S1.04-6213 GSFC

[Multi-Spectral Infrared Focal Plane Array For Wildfire And Burning-Biomass Analysis](#) [123]

Quinstar Technology, Inc

24085 Garnier Street

Torrance, CA 90505

Tracy Lee (310) 320-1111

18-1-S1.02-7432 JPL

[High-Efficiency, V-Band Solid-State Power Amplifier Using GaN](#) [124]

RadMet, LLC

204 2nd Ave, MS #523

San Mateo, CA 94401

Stephen Fuerstenau (650) 548-1676

18-1-S1.07-3603 JPL

[Ice Grain Accelerator with Charge Detection Mass Spectrometry](#) [125]

Resonon, Inc.

123 Commercial Drive

Bozeman, MT 59715

John Gallub (406) 586-3356

18-1-S1.08-5913 LaRC

[ARCSTONE Improvements](#) [126]

Senseker Engineering, Inc.

5383 Hollister Ave. Ste. 230

Santa Barbara, CA 93111

Kenton Veeder (805) 617-0337

18-1-S1.04-8253 JPL

[Digital Pixel Readout Integrated Circuit for High Dynamic Range Infrared Imaging Applications](#) [127]

Solid Material Solutions, LLC

55 Middlesex Street, Suite 205

North Chelmsford, MA 1863

Alexander Otto (978) 808-9016

18-1-S1.09-7833 GSFC

[Compact, Low Current Superconductor Coil Operating Above 15 K for Magnetic Cooling](#) [128]

Southwest Sciences, Inc.

1570 Pacheco Street, Suite E-11

Santa Fe, NM 87505

Alan Stanton (505) 984-1322

18-1-S1.11-3913 GSFC

[Millimeter Scale Magnetometer](#) [129]

Sporian Microsystems, Inc.

515 Courtney Way, Suite B

Lafayette, CO 80026

Brian Schaible (303) 516-9075

18-1-S1.07-6153 GRC

[Pressure Sensors for Glenn Extreme Environment Rig and Planetary Science Applications](#) [130]

Tendeg, LLC

1772 Prairie Way Unit A

Louisville, CO 80027

Gregg Freebury (303) 929-4466

18-1-S1.02-1173 JPL

[High Aspect Ratio Cylindrical Parabolic Antenna for Microsats](#) [131]

Toyon Research Corporation

6800 Cortona Drive

Goleta, CA 93117

Marcella Lindbery (805) 968-6787

18-1-S1.03-6063 JPL

[Local Oscillator Technologies for THz Instruments](#) [132]

Vector Atomic, Inc.

3733 Randolph Ave

Oakland, CA 94602

Jamil Abo-Shaeer (510) 520-1579

18-1-S1.10-4983 GSFC

[Compact, Long-Lifetime Atom Source for Space \(CLASS\)](#) [133]

Virginia Diodes, Inc.

979 Second Street, Southeast

Charlottesville, VA 22902

Thomas Crowe (434) 297-3257

18-1-S1.03-1255 GSFC

[GaAs Schottky Diode Technology for Terahertz Harmonic Mixers](#) [134]

Voxel, Inc.

15985 Northwest Schendel Avenue, Suite 200

Beaverton, OR 97006

Debra Ozuna (971) 223-5646

18-1-S1.04-4343 LaRC

[Single Photon Counting LIDAR Sensor](#) [135]

Welch Mechanical Design, LLC

1200 Technology Drive, Suite N

Aberdeen, MD 21001

Wayne Welch (410) 698-3024

18-1-S1.01-1089 LaRC

[Efficient Polishing of Metallic Substrates for Active Remote Sensing Applications](#) [136]

Xiomas Technologies, LLC

1317 Skyway Drive

Ypsilanti, MI 48197

John Green (734) 646-6535

18-1-S1.08-7453 ARC

[Three Band Thermal Infrared Detector for CubeSats and UAS](#) [137]

• **Focus Area 10 Advanced Telescope Technologies (10)**

BEAM Engineering for Advanced Measurements

1300 Lee Rd.

Orlando, FL 32810

David Roberts (407) 734-5222

18-1-S2.01-6583 JPL

[Broadband Vector Vortices for High Contrast Coronagraphy](#) [138]

Boston Micromachines Corporation

30 Spinelli Place

Cambridge, MA 2138

Tracy Raymond (617) 868-4178

18-1-S2.01-8142 JPL

[Primary Tweeters: Segmented Micro-Mirrors for Picometer-Scale Wavefront Compensation in Space-Based Observatories](#) [139]

Boulder Nonlinear Systems, Inc.

450 Courtney Way, Unit 107

Lafayette, CO 80026

Mark Tanner (303) 604-0077

18-1-S2.03-5162 MSFC

[Programmable Phase Nulling Interferometer for Giant Mirrors](#) [140]

Faraday Technology, Inc.

315 Huls Drive

Englewood, OH 45315

E. Jennings Taylor (937) 836-7749

18-1-S2.04-1032 GSFC

[Robust FARADAYIC CNT Based Coating for Scattered Light Suppression](#) [141]

Goodman Technologies, LLC

9551 Giddings Avenue Northeast

Albuquerque, NM 87109

William Goodman (505) 400-8169

18-1-S2.02-3773 JPL

[Near-Zero CTE 3D Printed RoboSiC Deployable Truss Core Structures with Active Precision Adjustment](#) [142]

Made in Space, Inc.

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Justin Kugler (713) 855-3333

18-1-S2.02-1106 GSFC

[Precision In-Space Manufacturing for Structurally-Connected Space Interferometry](#) [143]

Optimax Systems, Inc.

6367 Dean Parkway

Ontario, NY 14519

Tom Starin (585) 265-1020

18-1-S2.04-4372 GSFC

[Improving Freeform Manufacturing using a Unique Deflectometry Enclosure](#) [144]

OptiPro Systems, LLC

6368 Dean Parkway

Ontario, NY 14519

Matt Carlson (585) 265-0160

18-1-S2.03-1853 MSFC

[Additive Manufacturing of Silicon Carbide Mirrors](#) [145]

Reflective X-ray Optics, LLC

425 Riverside Drive, #16G

New York, NY 10025

David Windt (347) 850-2212

18-1-S2.04-4972 MSFC

[Non-Iridium X-Ray Coatings for Lynx and other Future Missions](#) [146]

Thermal Expansion Solutions, Inc.

501 Graham Road

College Station, TX 77845

James Monroe (956) 789-3723

18-1-S2.03-7013 MSFC

[Ultra-Stable ALLVAR Alloy Development for Space Telescopes](#) [147]

• **Focus Area 11 Spacecraft and Platform Subsystems (15)**

Advanced Scientific Concepts, LLC

135 East Ortega Street

Santa Barbara, CA 93101

Brad Short (805) 966-3331

18-1-S4.03-2194 JPL

[Compact Modular Flash LIDAR](#) [148]

Black Swift Technologies, LLC

3200 Valmont Rd Ste 7

Boulder, CO 80301

Jack Elston (720) 933-4503

18-1-S3.05-2693 JPL

[Dynamic Soaring for Persistent Venus Upper Atmosphere Observations](#) [149]

CoolCAD Electronics, LLC

7101 Poplar Avenue

Takoma Park, MD 20912

Lisa Sachar (301) 405-3363

18-1-S4.04-1384 GSFC

[Integrated On-Chip Power for Harsh Environments](#) [150]

Creare, LLC

16 Great Hollow Road

Hanover, NH 3755

Robert Kline-Schoder (603) 640-2487

18-1-S3.05-6932 GSFC

[Optically Interrogated Thin Film Strain Gauge for Balloon](#) [151]

Creare, LLC

16 Great Hollow Road

Hanover, NH 3755

Robert Kline-Schoder (603) 640-2487

18-1-S4.03-1246 JPL

[A Compact, Lightweight Electrically Driven Propellant Pump with High Pressure Rise](#) [152]

Empirical Systems Aerospace, Inc.

P.O. Box 595

Pismo Beach, CA 93448

Andrew Gibson (805) 275-1053

18-1-S3.05-7452 JPL

[Sampling the Venusian Atmosphere Using a Solar Power Paraglider](#) [153]

Ozark Integrated Circuits, Inc.

700 West Research Center Boulevard

Fayetteville, AR 72701

Anthony Francis (479) 575-1600

18-1-S4.04-1268 GRC

[Integrated Silicon Carbide Electronics for Venus Surface Actuation](#) [154]

Parabilis Space Technologies, Inc.

1195 Linda Vista Drive, Suite F

San Marcos, CA 92078

David Brynes (619) 750-4484

18-1-S4.03-3752 JPL

[Additively Manufactured Liquid Injection Thrust Vector Control System](#) [155]

PeerSat, LLC

1111 Army Navy Drive, Suite 1203

Arlington, VA 22202

Roscoe Moore (703) 553-0270

18-1-S3.05-6453 GSFC

[Terrestrial Balloon 10-Mbps to 1-Gbps Communications using Commercial Satellites and NASA TDRSS](#) [156]

Powdermet, Inc.

24112 Rockwell Drive

Euclid, OH 44117

Andrew Sherman (216) 404-0053

18-1-S4.04-8133 JPL

[High Temperature, High Energy Density and High Efficiency Capacitors for Aerospace Exploration](#) [157]

QorTek, Inc.

1965 Lycoming Creek Road, Suite 205

Williamsport, PA 17701

Cathy Bower (570) 322-2700

18-1-S3.08-1124 GSFC

[Rad-Hard, Wide Bandgap, Single Inductor Multiple Output \(SIMO\) Converters](#) [158]

Ragnarok Industries, Inc.

1521 Concord Pike, Suite 301

Wilmington, DE 19803

Luigi Balarinni (201) 424-0430

18-1-S4.04-1674 JPL

[Radiation-Hardened CubeSat Power Management & Distribution \(PMAD\) for Europa Environment](#) [159]

Silicon Space Technology Corporation

1501 South MoPac Expressway, Suite 350

Austin, TX 78746

Ross Bannatyne (512) 550-2954

18-1-S3.08-1402 JPL

[Radiation-Hardened I/O Expansion Chip](#) [160]

Skyhaven Systems, LLC

405 S. Lincoln Ave., Suite B209, PO Box 770252

Steamboat Springs, CO 80487

Michael Kimble (970) 846-0547

18-1-S4.05-9872 JPL

[Contamination Control System Via Vapor Hydrogen Peroxide Sterilization](#) [161]

Space Micro, Inc.

10237 Flanders Court

San Diego, CA 92121

David Strobel (858) 332-0700

18-1-S4.04-4672 JPL

[Advanced Visible Camera for Extreme Radiation Environments](#) [162]

• **Focus Area 12 Entry, Descent and Landing Systems (11)**

Advanced Scientific Concepts, LLC

135 East Ortega Street

Santa Barbara, CA 93101

Brad Short (805) 966-3331

18-1-Z7.01-1603 LaRC

[Common and Configurable Flash LIDAR Sensor for Space-Based Autonomous Landing, Rendezvous, and Docking Missions](#) [163]

Allcomp, Inc.

209 Puente Avenue

City of Industry, CA 91746

Wei Shih (626) 369-1273

18-1-H5.02-1236 MSFC

[Nano Enhanced 4000 °F CMC for Multiple Use Applications](#) [164]

Blazetech Corporation

29 B Montvale Avenue

Woburn, MA 1801

N. Albert Moussa (781) 759-0700

18-1-Z7.03-1414 ARC

[Mars Entry and Earth Return Re-Entry Drag Brake Decelerators](#) [165]

Cornerstone Research Group, Inc.

510 Earl Boulevard

Miamisburg, OH 45342

Chrysa Theodore (937) 320-1877

18-1-H5.02-7902 LaRC

[C/C Manufacturing with MG Resin and 3D Preforms](#) [166]

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-1-Z7.01-4632 JPL

[Planetary Landing Lidar](#) [167]

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

18-1-H5.02-1258 LaRC

[Polymer Derived Yttrium Silicate Ceramic Matrix Composite Hot Structure Materials for Atmospheric Entry Vehicles](#) [168]

Ozark Integrated Circuits, Inc.

700 West Research Center Boulevard

Fayetteville, AR 72701

Anthony Francis (479) 575-1600

18-1-Z7.01-2453 ARC

[A 128-Channel Compact VUV Spectrometer for Wide-Temperature Entry Descent & Landing Sensing Applications](#) [169]

Plasma Processes, LLC

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

18-1-H5.02-4183 LaRC

[High Temperature Oxidation Resistant Coatings Integrated with Carbon/Carbon Hot Structures](#) [170]

RC Integrated Systems, LLC

24234 Madison St

Torrance, CA 90505

Naibing Ma (760) 383-1218

18-1-Z7.01-7382 ARC

[Distributed Fiber Optic Sensing System](#) [171]

Sequent Logic, LLC

3265 North 1950 East

North Logan, UT 84341

Ryan Seeley (435) 915-4425

18-1-Z7.01-5262 ARC

[Fiber Optic Sensing System for Entry Descent and Landing](#) [172]

Sporian Microsystems, Inc.

515 Courtney Way, Suite B

Lafayette, CO 80026

Kevin Harsh (303) 516-9075

18-1-H5.02-3743 AFRC

[Polymer Derived Ceramic Based Structural Thermal Protection Systems for Atmospheric Entry Vehicles](#)
[173]

• **Focus Area 13 Information Technologies for Science Data (12)**

Akadio, Inc.

1800 S Oak St Ste 203

Champaign, IL 61820

Jo Eads (217) 531-6103

18-1-S5.01-4412 ARC

[Enabling High Efficiency I/O Performance on High-End Computing Systems and Data Stores with HDF5](#)
[174]

Applied Geosolutions, LLC

87 Packers Falls Road

Durham, NH 3824

William Salas (603) 292-5747

18-1-S5.02-2653 GSFC

[ASOMIS](#) [175]

Kitware, Inc.

28 Corporate Drive

Clifton Park, NY 12065

Wayne Durr (518) 881-4925

18-1-S5.03-4282 ARC

[Open-Source Deep Learning Classification and Visualization of Multi-Temporal Multi-Source Satellite Data](#)
[176]

Kord Technologies

635 Discovery Drive Northwest

Huntsville, AL 35806

Bono Wasistho (256) 763-6500

18-1-S5.01-2064 ARC

[Towards Exascale Computing of Compressible Flows using LBM](#) [177]

Lynntech, Inc.

2501 Earl Rudder Freeway South

College Station, TX 77845

Darla Hisaw (979) 764-2219

18-1-S5.02-9802 GSFC

[Deep Learning Enhanced Fidelity InSAR Toolkit \(DEFIT\)](#) [178]

Phoenix Integration

1715 Pratt Drive, Suite 2000

Blacksburg, VA 24060

Robin Campbell (540) 961-7215

18-1-S5.04-9142 JPL

[Pushing the State of the Art: A Web-enabled MBSE Analysis Integration Framework](#) [179]

Predictive Science, Inc.

9990 Mesa Rim Road, Suite 170

San Diego, CA 92121

Meaghan Marsh (858) 450-6494

18-1-S5.06-1137 GSFC

[Interactive Tool for Modeling Multiple Solar Eruptions](#) [180]

Sivananthan Laboratories, Inc.

590 Territorial Drive, Unit H

Bolingbrook, IL 60440

Paul Boieriu (630) 226-0080

18-1-S5.03-1266 GSFC

[Advancing Hyperspectral Imaging through Integrated Compressive Sensing / Inpainting via Machine Learning](#) [181]

Space Environment Technologies, LLC

1676 Palisades Drive

Pacific Palisades, CA 90272

W. Kent Tobiska (310) 573-4185

18-1-S5.06-8082 GSFC

[Automated Radiation Measurements for Aerospace Safety - Dual Monitor \(ARMAS-DM\)](#) [182]

Spatial Informatics Group

2529 Yolanda Ct.

Pleasanton, CA 94566

Jason Moghaddas (530) 284-8920

18-1-S5.02-6273 GSFC

[Developing a Near Real Time Monitoring System for Post Fire Vegetation Recovery for the Sierra Nevada, California](#) [183]

Tietronix Software, Inc.

1331 Gemini Avenue, Suite 300

Houston, TX 77058

Victor Tang (281) 404-7222

18-1-S5.04-6652 GSFC

[Model-Based Engineering Trade Evaluation Tool Suite](#) [184]

TMC Technologies of WV Corporation

2050 Winners Drive

Fairmont, WV 26554

Eric Mohan (304) 816-3608

18-1-S5.03-2942 ARC

[Smart Fault Management \(SFM\)](#) [185]

• **Focus Area 14 In-Space and Advanced Manufacturing (15)**

Actuated Medical, Inc.

310 Rolling Ridge Drive

Bellefonte, PA 16823

Christopher Lahr (814) 355-0003

18-1-H7.01-1165 MSFC

[Additive Manufacturing of PEEK and Fiber-Reinforced PEEK for NASA Applications and Custom Medical Devices](#) [186]

Cornerstone Research Group, Inc.

510 Earl Boulevard

Miamisburg, OH 45342

Chrysa Theodore (937) 320-1877

18-1-H7.02-7912 MSFC

[Automated In-Process Quality Control of Recycled Filament Production and FDM Printers](#) [187]

Cybernet Systems Corporation

3741 Plaza Drive

Ann Arbor, MI 48108

Margaret Press (734) 668-2567

18-1-H7.02-2933 MSFC

[Feedback Sensors for Closed Loop Additive In-Space Manufacturing](#) [188]

GeoComposites, LLC

111 Veterans Memorial Blvd., Suite 1600

Metairie, LA 70005

Jeff Tomeny (504) 831-1900

18-1-H7.01-9532 MSFC

[Development of Fiber Reinforced Composite Feedstock for In-Space Manufacturing of High Strength Parts](#) [189]

Industrial Measurement Systems, Inc.

2760 Beverly Drive, Unit 4

Aurora, IL 60502

Donald Yuhas (630) 236-5901

18-1-Z3.01-2412 MSFC

[In-Process Temperature Measurements for Feedback Control of Solid State Joining](#) [190]

Intelligent Optical Systems, Inc.

2520 West 237th Street

Torrance, CA 90505

Reuben Sandler (424) 263-6305

18-1-H7.01-3972 MSFC

[Thermoplastic Feedstock for 3D Printed Parts with Metal-Like Strength](#) [191]

Ler Technologies, Inc.

1042 N. El Camino Real, Ste B-131

Encinitas, CA 92024

Araz Yacoubian (760) 845-1031

18-1-H7.02-1343 MSFC

[In-Situ Monitoring of In-Space Manufacturing by Multi-Parameter Imaging](#) [192]

LM Group Holdings, Inc.

26497 Rancho Parkway South

Lake Forest, CA 92630

Evelina Vogli (832) 463-4400

18-1-Z3.01-4522 JPL

[Ultrasonic Additive Manufacturing of Amorphous Alloys](#) [193]

Made in Space, Inc.

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Kevin DiMarzio (941) 408-5504

18-1-H7.02-7423 MSFC

[In-Situ Monitoring and Process Control \(AMARU\)](#) [194]

MetroLaser, Inc.

22941 Mill Creek Drive

Laguna Hills, CA 92653

Cecil Hess (949) 553-0688

18-1-H7.02-3542 MSFC

[Acoustical Signature Analysis for In-Situ Monitoring and Quality Control for In-Space Additive Manufacturing](#) [195]

REM Chemicals Inc. dba REM Surface Engineering

325 W. Queen St

Southington, CT 6489

Nathan Michaud (860) 621-6755

18-1-Z3.01-5453 MSFC

[Internal/External Surface Finishing of Additively Manufactured IN-625 Components](#) [196]

Space Foundry, Inc.

1035 Aster Ave, Unit 1120

Sunnyvale, CA 94086

Ram Prasad Gandhiraman (408) 688-6978

18-1-H7.03-8022 ARC

[Plasma Jet Printing Technology for In-Space Manufacturing and In-Situ Resource Utilization](#) [197]

Touchstone Research Laboratory, Ltd.

The Millennium Centre, 1142 Middle Creek Road

Triadelphia, WV 26059

Brian Gordon (304) 547-5800

18-1-Z3.01-1843 LaRC

[Fabric Reinforced Metal Matrix Composite](#) [198]

UHV Technologies, Inc.

1708 Jaggie Fox Way

Lexington, KY 40511

Nalin Kumar (817) 880-3880

18-1-Z3.01-8863 MSFC

[Low Temperature In Space Additive Manufacturing of Metals and Alloys for NASA Missions](#) [199]

Universal Technology Corporation

1270 North Fairfield Road

Dayton, OH 45432

Angie Haas (937) 426-8530

18-1-Z3.01-3442 LaRC

[In-Situ Fringe Pattern Profilometry for Feed-Forward Process Control](#) [200]

• **Focus Area 15 Lightweight Materials Structures and Assembly / Construction (14)**

Altius Space Machines, Inc.

3001 Industrial Lane, Unit #5

Broomfield, CO 80020

Jonathan Goff (801) 362-2310

18-1-Z4.02-2682 LaRC

[MagTag Modular Interfaces for Palletized Subsystems and Satellites](#) [201]

Geoplasma, LLC

6703 Odyssey Drive Northwest, Suite 304

Huntsville, AL 35806

Timothy McKechnie (256) 851-7653

18-1-Z4.01-5513 MSFC

[Using MISSE-FF to Determine the Effect of the Space Environment on Advanced Thermal Protection Coatings](#) [202]

Intellisense Systems, Inc.

20600 Gramercy Place

Torrance, CA 90501

Laura Miller (310) 320-1827

18-1-Z11.01-7082 LaRC

[Terahertz Imaging Nondestructive Tomography \(TINT\)](#) [203]

Invocon, Inc.

19221 I-45 South, Suite 530

Conroe, TX 77385

Mary Delahunty (281) 292-9903

18-1-Z11.01-4943 LaRC

[Hypervelocity Impact Detection, Location, and Assessment for Thermal Protection Systems](#) [204]

Katabasis Engineering, LLC

708 Goodale Hill Road

Glastonbury, CT 6033

Allen Witkowski (860) 690-2243

18-1-Z11.01-1793 ARC

[Textile Strain Measurement System](#) [205]

Made in Space, Inc.

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Justin Kugler (713) 855-3333

18-1-Z4.02-1110 LaRC

[Apeiron Space Integration System](#) [206]

Made in Space, Inc.

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Andrew Rush (904) 806-4548

18-1-Z4.01-2783 LaRC

[Space Exposure for Structural-Health Aware Materials Experiment \(SESAME\)](#) [207]

MotionPort, LLC

3143 S. 840 E. Suite 350

Saint George, UT 84790

Brant Ross (435) 767-9645

18-1-H5.01-2822 LaRC

[Multi-Physics Approach to Simulate Dust Accumulation/Removal](#) [208]

Nexolve Holding Company, LLC

290 Dunlop Blvd. SW STE 200

Huntsville, AL 35824

James Moore (256) 337-6752

18-1-Z4.01-7463 LaRC

[Space Durability Testing via MISSE-FF of CORIN XLS Polyimide with Increased Flexibility and Tear Resistance](#) [209]

Orbital Transports, LLC

130 S Canal St, Ste 819

Chicago, IL 60606

David Hurst (773) 218-6151

18-1-Z11.01-3822 LaRC

[Acoustic Localization and Classification of MMOD Impacts on Space Structures Using Deep Learning Networks](#) [210]

Pegasense, LLC

1511 East State Road 434, Suite 2001

Winter Springs, FL 32708

Svetlana Malocha (407) 766-5783

18-1-Z11.01-4832 LaRC

[4.3 GHz Passive Wireless Sensor System](#) [211]

ROCCOR, LLC

2602 Clover Basin Drive, Suite D

Longmont, CO 80503

Stephanie Amend (300) 200-0068

18-1-H5.01-7032 LaRC

[Articulating Solar Panel Energy System \(ASPEN\)](#) [212]

ROCCOR, LLC

2602 Clover Basin Drive, Suite D

Longmont, CO 80503

Stephanie Amend (300) 200-0068

18-1-Z4.02-4552 LaRC

[Flexible Interconnecting NodEs for In-Space Structural Assembly \(FINESS\)](#) [213]

TentGuild Engineering Company

4740 Table Mesa Drive

Boulder, CO 80305

Gyula Greschik (866) 666-7761

18-1-H5.01-1302 LaRC

[Webbed Solar Array](#) [214]

• **Focus Area 16 Ground & Launch Processing (6)**

Alexandre

26 Hop Ranch Cir

Santa Rosa, CA 95403

Alexandre Terentiev (707) 540-1765

18-1-H10.02-4242 KSC

[Smart Elastomer Seal with Remote Monitoring for Condition Based Maintenance](#) [215]

C-Suite Services, LLC

114 Mulberry Drive

Metairie, LA 70005

Kevin Pollard (303) 594-4300

18-1-H10.01-4202 SSC

[Balanced Floating Piston Valve for Ultra-High Pressure, High-Volume Liquid and Gaseous Flow Control](#) [216]

Parabilis Space Technologies, Inc.

1195 Linda Vista Drive, Suite F

San Marcos, CA 92078

David Brynes (619) 750-4484

18-1-H10.01-4583 SSC

[Additively Manufactured Dynamically Adjustable Venturi](#) [217]

RC Integrated Systems, LLC

24234 Madison St

Torrance, CA 90505

Naibing Ma (760) 383-1218

18-1-H10.01-7402 SSC

[Additive Manufacturing of Integrated Sensor System](#) [218]

Streamline Numerics, Inc.

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

18-1-H10.01-2362 SSC

[High Performance Solver for Coupled Cavitation and Fluid-Structure Interaction in Cryogenic Environments](#) [219]

Summit Information Solutions, Inc.

4870 Sadler Road, Suite 102

Glen Allen, VA 23060

Shuganti Caradonna (804) 840-8477

18-1-H10.01-9942 SSC

[Advanced Coating to Mitigate Hydrogen Embrittlement in High Temperature Environments](#) [220]

• **Focus Area 17 Thermal Management Systems (8)**

Advanced Cooling Technologies, Inc.

1046 New Holland Avenue

Lancaster, PA 17601

William Anderson (717) 205-0602

18-1-Z2.01-8692 JPL

[Consumable-Based Cooling for 24 Hour Life Venus Lander](#) [221]

Advanced Cooling Technologies, Inc.

1046 New Holland Avenue

Lancaster, PA 17601

William Anderson (717) 205-0602

18-1-Z2.01-9202 MSFC

[Variable View Factor Two-Phase Radiator](#) [222]

ARIECA, LLC

6024 Broad St

Pittsburgh, PA 15206

Carmel Majidi (302) 540-7959

18-1-Z2.01-1194 JSC

[Thermally Conductive Rubber \("Thubber"\) for Passive Cooling of Heat-Generating Hardware Embedded in Soft Goods Space Technologies](#) [223]

Mainstream Engineering Corporation

200 Yellow Place

Rockledge, FL 32955

Michael Rizzo (321) 631-3550

18-1-Z2.01-1474 JSC

[Toxicity Mitigating Single-Fluid Cooling System for Manned Spacecraft](#) [224]

Paragon Space Development Corporation

3481 East Michigan Street

Tucson, AZ 85714

Joel Johnson (520) 382-4854

18-1-Z2.01-8562 JSC

[Flexible Radiator \(FlexRAD\)](#) [225]

Paragon Space Development Corporation

3481 East Michigan Street

Tucson, AZ 85714

Joel Johnson (520) 382-4854

18-1-Z2.01-8622 JSC

[Condensate Separator for Microgravity Conditions \(COSMIC\)](#) [226]

ThermAvant Technologies, LLC

1000 Pannell Street, Suite A

Columbia, MO 65201

Joseph Boswell (573) 397-6912

18-1-Z2.01-2234 GRC

[A Next Generation Spacecraft Heat Rejection System](#) [227]

Triton Systems, Inc.

200 Turnpike Road

Chelmsford, MA 1824

Collette Jolliffe (978) 856-4158

18-1-Z2.01-4863 GSFC

[Thermochromics with Very Low Transition Temperature](#) [228]

- **Focus Area 18 Air Vehicle Technology (24)**

- **CASCADE Technologies, Inc.**

- 2445 Faber Place, Suite 100

- Palo Alto, CA 94303

- Guillaume Bres (650) 521-0243

- 18-1-A1.05-1052 LaRC

- [Fast, Parallel, High-Quality Voronoi Mesh Generator](#) [229]

- **CASCADE Technologies, Inc.**

- 2445 Faber Place, Suite 100

- Palo Alto, CA 94303

- Guillaume Bres (650) 521-0243

- 18-1-A1.02-2313 GRC

- [Prediction and Modal Analysis of Supersonic Jet Noise From Complex Nozzles in an Integrated Simulation Environment](#) [230]

- **CFD Research Corporation**

- 701 McMillian Way Northwest, Suite D

- Huntsville, AL 35806

- Silvia Harvey (256) 726-4858

- 18-1-A1.01-6962 LaRC

- [An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control](#) [231]

- **CFD Research Corporation**

- 701 McMillian Way Northwest, Suite D

- Huntsville, AL 35806

Silvia Harvey (256) 726-4858

18-1-A1.03-6082 GRC

[Low Emission Lean Fully Premixed \(LFP\) Injector/Combustor Development](#) [232]

CFD Research Corporation

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

18-1-A1.05-6112 LaRC

[Multi-Fidelity Surrogate Modeling for Computational and Experimental Data Consolidation](#) [233]

Continental Controls and Design

20252 Bancroft Circle

Huntington Beach, CA 92646

Lore Hynes (714) 323-4924

18-1-A1.07-7982 GRC

[Less Iron and More Switches Increase Range](#) [234]

Continuum Dynamics, Inc.

34 Lexington Avenue

Ewing, NJ 8618

Barbara Agans (609) 538-0444

18-1-A1.06-2083 LaRC

[Comprehensive Acoustic Analysis for Distributed Electric Propulsion Aircraft](#) [235]

Continuum Dynamics, Inc.

34 Lexington Avenue

Ewing, NJ 8618

Barbara Agans (609) 538-0444

18-1-A1.09-5493 GRC

[Integrated Icing Detection Filter for On-Demand Aircraft](#) [236]

Empirical Systems Aerospace, Inc.

P.O. Box 595

Pismo Beach, CA 93448

Andrew Gibson (805) 275-1053

18-1-A1.06-8332 ARC

[UAM Disturbance Rejection in Conceptual Design](#) [237]

FGC Plasma Solutions

9700 S Cass Ave, Building 203, J-180

Lemont, IL 60439

Felipe Gomez del Campo (954) 591-1429

18-1-A1.03-4392 GRC

[Plasma-Assisted Active Combustion Control as an Enabling Technology for N+3 Combustors](#) [238]

Great Lakes Sound & Vibration Inc.

47140 North Main Street

Houghton, MI 49931

Lynn Huotari (906) 482-7535

18-1-A1.06-1842 LaRC

[Auralization of Vertical Take-Off and Landing \(VTOL\) in Urban Environments](#) [239]

Hinetics, LLC

1804 vale st

Champaign, IL 61822

Vidya Haran (518) 772-9678

18-1-A1.07-8322 GRC

[Integrated High Frequency Electric Propulsor for Turbo-Electric Aircraft](#) [240]

Hyper Tech Research, Inc.

539 Industrial Mile Road

Columbus, OH 43228

Sherrie Cantu (740) 517-1938

18-1-A1.07-6923 GRC

[Advanced Rotor Coils for Conduction Cooled Superconducting Multi-Megawatt Motors for Aircraft Propulsion](#) [241]

Intelligent Automation, Inc.

15400 Calhoun Drive, Suite 190

Rockville, MD 20855

Mark James (301) 294-5221

18-1-A1.05-3443 LaRC

[Probabilistic Formulation of Multi-fidelity Aerodynamic Databases \(ProForMA\)](#) [242]

Interdisciplinary Consulting Corporation

5745 Southwest 75th Street, #364

Gainesville, FL 32608

Leonard Kubik (256) 960-9520

18-1-A1.08-2622 LaRC

[Capacitive Vector Skin Friction Measurement Systems for Complex Flow Fields](#) [243]

International Electronic Machines Corporation (IEM)

850 River Street

Troy, NY 12180

Dorothy Sausville (518) 268-1636

18-1-A1.08-1524 LaRC

[Low Profile Aerodynamic Testing Tape \(LPATT\)](#) [244]

LaunchPoint Technologies, Inc.

5735 Hollister Avenue, Suite B

Goleta, CA 93117

Vicki Young (805) 683-9659

18-1-A1.06-4083 GRC

[Reconfigurable VTOL Energy Management System](#) [245]

Scientific Simulations, LLC

1582 Inca Drive

Laramie, WY 82072

Dimitri Mavriplis (307) 399-8717

18-1-A1.04-5483 GRC

[Optimization of Supersonic Jet Noise Using a Reynolds-Averaged Navier-Stokes Approach](#) [246]

Solid Material Solutions, LLC

55 Middlesex Street, Suite 205

North Chelmsford, MA 1863

Alexander Otto (978) 808-9016

18-1-A1.07-8763 GRC

[Bi2212 Superconductors for High-Power Density Motors for Aero Propulsion](#) [247]

Spectral Energies, LLC

4065 Executive Dr.

Dayton, OH 45430

Sukesh Roy (937) 902-6546

18-1-A1.04-3313 GRC

[Novel Methodology for the Rapid Acoustic Optimization of Supersonic Multi-Stream 3D Nozzles](#) [248]

TDA Research, Inc.

12345 West 52nd Avenue

Wheat Ridge, CO 80033

John Wright (303) 940-2300

18-1-A1.10-1123 GRC

[Ceramic Springs](#) [249]

Technology in Blacksburg, Inc.

265 Industrial Drive

Christiansburg, VA 24073

Tamara Murray (540) 381-8502

18-1-A1.02-1269 GRC

[Effects of BLI and Inflow Distortion on Noise Generation and Performance of Fan-Rotor](#) [250]

Thermatin Industries, LLC

2970 Washington St

Boulder, CO 80304

Carlin Gettliffe (303) 847-3073

18-1-A1.03-2572 GRC

[TBC with High Temperature Phase Stability for Low Emission-High Efficiency Gas Turbine Engines](#) [251]

ZONA Technology, Inc.

9489 East Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

18-1-A1.01-3232 LaRC

[Discrete Time State-Space Aeroservoelastic Modeling using FUN3D](#) [252]

• **Focus Area 19 Integrated Flight Systems (12)**

Black Swift Technologies, LLC

3200 Valmont Rd Ste 7

Boulder, CO 80301

Jack Elston (720) 933-4503

18-1-A2.02-9342 AFRC

[Sensor Fusion and Algorithms for Mapping at Low Altitude Above Rugged Terrain](#) [253]

Design Analysis & Research Corporation

1440 Wakarusa Drive, Suite 500

Lawrence, KS 66049

Willem Anemaat (785) 832-0434

18-1-A2.02-3903 AFRC

[Evolving and Certifiable Autopilot for Unmanned Aerial Systems](#) [254]

Empirical Systems Aerospace, Inc.

P.O. Box 595

Pismo Beach, CA 93448

Andrew Gibson (805) 275-1053

18-1-A2.01-1149 GRC

[Integrated Autonomous Controller with Health State Awareness.](#) [255]

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-1-A2.02-4642 GRC

[Aircraft and UAS Quantum Key Distribution](#) [256]

Heron Systems, Inc.

22865 Three Notch Road, Suite b

California, MD 20619

Brett Darcey (240) 298-7725

18-1-A2.02-5472 LaRC

[Autonomous Decentralized Coordination of Heterogeneous Unmanned Systems via Adaptive Auctions](#) [257]

Mid Technology

200 Boston Avenue, Suite 1000

Medford, MA 2155

Attila Lengyel (781) 306-0609

18-1-A2.01-7253 AFRC

[Project Patchwork - Wirelessly Networked Structural Analysis Devices for Aircraft](#) [258]

Near Earth Autonomy, Inc.

5001 Baum Boulevard, Suite 750

Pittsburgh, PA 15213

Marcel Bergerman (412) 513-6110

18-1-A2.02-8643 LaRC

[Enabling Aerial Close-Proximity and Contact Sensing for Inspection of Industrial Infrastructure](#) [259]

Optimal Synthesis, Inc.

95 First Street, Suite 240

Los Altos, CA 94022

P. K. Menon (650) 559-8585

18-1-A2.02-7903 LaRC

[Decentralized Cooperative Navigation for Small Unmanned Aerial Vehicles in GPS-denied Environments](#)

[260]

Redondo Optics, Inc.

811 North Catalina Avenue, Suite 1100

Redondo Beach, CA 90277

Edgar Mendoza (310) 292-7673

18-1-A2.01-1954 AFRC

[Intelligent Wireless Fiber Optic Sensor \(iWiSe\) Network System](#) [261]

TRAC Labs, Inc.

100 North East Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7886

18-1-A2.01-4853 AFRC

[Electronic Procedure Verification and Workflow Management System](#) [262]

X-wave Innovations, Inc.

555 Quince Orchard Road, #510

Gaithersburg, MD 20878

Jennifer Duan (301) 200-8368

18-1-A2.01-1230 ARC

[An Early and In-Situ Cell Failure Detection and Reconditioning System for Lithium-Ion Batteries](#) [263]

Xwing, Inc

335 8th St

San Francisco, CA 94103

Vlad Popescu (404) 725-0703

18-1-A2.02-4092 ARC

[Requirements Management with Bidirectional Traceability in Modern Version Control Systems](#) [264]

• **Focus Area 20 Airspace Operations and Safety (18)**

Architecture Technology Corporation

9971 Valley View Road

Eden Prairie, MN 55344

Lisa Knopik (952) 829-5864

18-1-A3.01-3062 ARC

[Airport Surface State Event Tracker \(ASSET\)](#) [265]

ATAC

2770 De La Cruz Boulevard

Santa Clara, CA 95050

Alan Sharp (408) 736-2822

18-1-A3.01-8712 ARC

[Near Real-Time Aircraft Noise Monitoring Tool for UAM e-VTOL Aircraft](#) [266]

ATAC

2770 De La Cruz Boulevard

Santa Clara, CA 95050

Alan Sharp (408) 736-2822

18-1-A3.02-8802 ARC

[Explainable Artificial Intelligence based Verification & Validation for Increasingly Autonomous Aviation Systems](#) [267]

ATC-NY, Inc.

P.O. Box 422

Trumansburg, NY 14886

Richard Smith (607) 257-1975

18-1-A3.03-7592 ARC

[SilverlineAN](#) [268]

AvMet Applications

AvMet Applications, Inc

Reston, VA 20191

Mark Klopfenstein (703) 453-9192

18-1-A3.01-6422 ARC

[Augmenting Data Mining with Simulation for Next-Day Weather Impact Mitigation](#) [269]

Barron Associates, Inc.

1410 Sachem Place, Suite 202

Charlottesville, VA 22901

Connie Hoover (434) 973-1215

18-1-A3.02-2993 LaRC

[Turbulence Modeling and Risk-Based Planning to Enable Safe Autonomous Operations](#) [270]

Barron Associates, Inc.

1410 Sachem Place, Suite 202

Charlottesville, VA 22901

Connie Hoover (434) 973-1215

18-1-A3.03-2983 LaRC

[Tools to Enhance Airspace Safety by Minimizing and Mitigating RF Link Loss](#) [271]

CGH Technologies, Inc.

600 Maryland Avenue, SW Suite 800W

Washington, DC 20024

Cindy Troutman (202) 580-7401

18-1-A3.02-7003 LaRC

[Integrated Adaptive Route Capability](#) [272]

Intelligent Automation, Inc.

15400 Calhoun Drive, Suite 190

Rockville, MD 20855

Mark James (301) 294-5221

18-1-A3.02-3403 ARC

[Small UAS Demand Estimation](#) [273]

Mosaic ATM, Inc.

540 Fort Evans Road, Suite 300

Leesburg, VA 20176

Chris Stevenson (540) 454-7458

18-1-A3.02-4692 ARC

[Autonomous Assessment of Airspace Operations](#) [274]

Mosaic ATM, Inc.

540 Fort Evans Road, Suite 300

Leesburg, VA 20176

Chris Stevenson (540) 454-7458

18-1-A3.01-4732 ARC

[Advanced Departure Queue Management](#) [275]

R Cubed Engineering, LLC

4103 11th Street Court West, Unit #203

Palmetto, FL 34221

RaNae Contarino (202) 271-9698

18-1-A3.01-9912 LaRC

[Independent Authentication of ADS-B And Transponder Equipped Aircraft Location](#) [276]

Robust Analytics

1302 Cronson Blvd Suite B

Crofton, MD 21114

Peter Kostiuk (410) 980-3667

18-1-A3.03-6812 ARC

[Real-Time Flight and Airspace Risk Monitoring for Airline Operations](#) [277]

Robust Analytics

1302 Cronson Blvd Suite B

Crofton, MD 21114

Peter Kostiuk (410) 980-3667

18-1-A3.03-2193 ARC

[Dispatch Operations and Control for Autonomous Fleets](#) [278]

Robust Analytics

1302 Cronson Blvd Suite B

Crofton, MD 21114

Peter Kostiuk (410) 980-3667

18-1-A3.01-1071 LaRC

[Consensus Algorithms and Data Exchange for Trajectory Negotiation](#) [279]

The Innovation Laboratory, Inc.

2360 Southwest Chelmsford Avenue

Portland, OR 97201

Michelle Camarda (503) 242-1761

18-1-A3.02-1235 ARC

[Virtual Marketplace for Urban Air Mobility](#) [280]

The Innovation Laboratory, Inc.

2360 Southwest Chelmsford Avenue

Portland, OR 97201

Michelle Camarda (503) 242-1761

18-1-A3.02-2393 LaRC

[Collaborative Trajectory Options Planning for the Flight Deck](#) [281]

XL Scientific, LLC

6100 Uptown Boulevard Northeast, Suite 260

Albuquerque, NM 87110

Susan Haverland (505) 244-8502

18-1-A3.03-4052 LaRC

[Future Aviation Systems Safety](#) [282]

• **Focus Area 21 Small Spacecraft Technologies (19)**

Aeronix, Inc.

1775 W. Hibiscus Blvd., Suite 200

Melbourne, FL 32901

Jeff Fisher (321) 984-1671

18-1-Z8.02-1773 ARC

[Communication and Ranging Subsystem for a Distributed Spacecraft Configuration](#) [283]

Alameda Applied Sciences Corporation

626 Whitney Street

San Leandro, CA 94577

Mahadevan Krishnan (510) 676-4687

18-1-Z8.01-1231 GRC

[High-Impulse, Scalable, Metal Plasma Thruster for Cubesat Missions](#) [284]

Astrobotic Technology, Inc.

2515 Liberty Avenue

Pittsburgh, PA 15222

Fraser Kitchell (206) 470-9055

18-1-Z8.03-9052 GRC

[Software Defined Reliability for Low Cost Digital Signal Processors on Small Spacecraft](#) [285]

Bangham Engineering Incorporated

1300 Meridian Street N STE 11

Huntsville, AL 35801

Julie Bangham (256) 585-3051

18-1-Z8.01-8663 MSFC

[Characterization of a Multi-Kilometer Long Tether Deployment](#) [286]

Blink Astro, LLC

1050 Crown Pointe Parkway, Suite 1400

Atlanta, GA 30338

Jordan Shulman (770) 379-8012

18-1-Z8.02-7603 GRC

[Delay-Tolerant Radio for Cooperative Groups of Small Spacecraft](#) [287]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

18-1-Z8.01-1140 JPL

[Low Impulse Bit Electropray Thruster Control](#) [288]

Busek Company, Inc.

11 Tech Circle

Natick, MA 1760

Judy Budny (508) 655-5565

18-1-Z8.01-2763 GRC

[Compact High Performance Plasma Propulsion System](#) [289]

ExoTerra Resource, LLC

10579 Bradford Road, Suite 103

Littleton, CO 80127

Michael VanWoerkom (303) 565-6898

18-1-Z8.01-8883 JPL

[Modular Xenon Micro Electric Propulsion System](#) [290]

Exquadrum, Inc.

12130 Rancho Road

Adelanto, CA 92301

Glen Goede (760) 246-0279

18-1-Z8.01-5843 MSFC

[Hybrid Orbital Propulsion System \(HOPS\)](#) [291]

Fibertek, Inc.

13605 Dulles Technology Drive

Herndon, VA 20171

Tracy Perinis (703) 471-7671

18-1-Z8.02-6032 GSFC

[Technologies Enabling Distributed Spacecraft Missions \(DSM\)](#) [292]

Florida Turbine Technologies, Inc.

1701 Military Trail, Suite 110

Jupiter, FL 33458

Lloyd Mazer (561) 427-6337

18-1-Z9.01-9512 MSFC

[Modular Rocket Engine Electric Pumps](#) [293]

Frontier Astronautics

609 Windmill Road

Chugwater, WY 82210

Timothy Bendel (307) 331-3043

18-1-Z9.01-1039 MSFC

[Integrated Launch Vehicle Booster using a Rocket Engine with a Combined Thermodynamic Cycle](#) [294]

HyperSciences, Inc

1314 South Grand Boulevard, Suite 2-133

Spokane, WA 99202

Mark Russell (509) 994-8577

18-1-Z9.01-1994 MSFC

[Low Cost Nano and Micro Satellite Launch Stage and Automated Hypersonic Test Platform](#) [295]

Masten Space Systems, Inc.

1570 Sabovich Street

Mojave, CA 93501

Sean Mahoney (888) 488-8455

18-1-Z9.01-8723 MSFC

[PermiAM: Engineered Porosity In-Situ with Fully Dense AM Structure](#) [296]

Microelectronics Research Development Corporation

4775 Centennial Boulevard, Suite 130

Colorado Springs, CO 80919

Karen Van Cura (719) 531-0805

18-1-Z8.03-1872 GSFC

[An AMBA-Compliant, Radiation Tolerant Tensor Core for Use in A.I. Applications](#) [297]

Microelectronics Research Development Corporation

4775 Centennial Boulevard, Suite 130

Colorado Springs, CO 80919

Karen Van Cura (719) 531-0805

18-1-Z8.03-1882 GRC

[Low-Cost, Quick-Turn Radiation Tolerant Encryption Engine](#) [298]

Silicon Space Technology Corporation

1501 South MoPac Expressway, Suite 350

Austin, TX 78746

Ross Bannatyne (512) 550-2954

18-1-Z8.03-5222 ARC

[Low Cost Radiation Hardened Flash Memory Integrated Circuit](#) [299]

Technovare Systems, Inc.

16815 Von Karman, Suite 175

Irvine, CA 92606

Teresa Sullivan (714) 966-9099

18-1-Z8.03-9672 GSFC

[Rad-Hard ADC IP](#) [300]

Tyvak Nano-Satellite System, Inc.

15330 Barranca Parkway

Irvine, CA 92618

David Callen (949) 466-6189

18-1-Z9.01-1443 MSFC

[Tyvak Extended Mission PlatfOrm \(TEMPO\)](#) [301]

• **Focus Area 22 International Space Station (ISS) Utilization (3)**

IRPI, LLC

PO Box 203

Wilsonville, OR 97070

Ryan Jenson (503) 545-2501

18-1-H8.01-6452 GRC

[Advanced Passive Phase Separations for Space Exploration](#) [302]

Made in Space, Inc.

8226 Philips Hwy Suite 102

Jacksonville, FL 32256

Kevin DiMarzio (941) 408-5504

18-1-H8.01-7193 ARC

[Glass Alloy in Microgravity \(GAMMA\)](#) [303]

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

18-1-H8.01-6972 JPL

[ISS Electrospray Production of Photovoltaics](#) [304]

[Return to Top](#)

[Return to NASA SBIR 2018 Phase I Solicitation Selections](#) [305]