



Proposals Selected for Negotiation of Contracts

Expand All

- **X1 Avionics and Software (159)**

Acellent Technologies, Inc.

835 Stewart Drive

Sunnyvale, CA 94085

Irene Li (408) 745-1188

07-2-X1.04-8403 ARC

[Quantifiable and Reliable Structural Health Management Systems](#) [1]

Adherent Technologies, Inc.

9621 Camino del Sol NE

Albuquerque, NM 87111

Susan Switzer (505) 346-1685

07-2-X6.01-9530 MSFC

[Self-Healing Inflatable, Rigidizable Shelter for the Lunar Environment](#) [2]

Adherent Technologies, Inc.

9621 Camino del Sol NE

Albuquerque, NM 87111

Susan Switzer (505) 346-1685

07-2-A1.01-8922 LaRC

[Moisture Resistant Primer for Composite Bonded Repairs](#) [3]

Adherent Technologies, Inc.

9621 Camino del Sol NE

Albuquerque, NM 87111

Susan Switzer (505) 346-1685

07-2-X5.02-8801 KSC

[Lunar Regolith Stabilization for Excavation](#) [4]

Advanced Cooling Technologies, Inc.

1046 New Holland Avenue

Lancaster, PA 17601

Jon Zuo (717) 295-6058

07-2-X5.01-8867 GRC

[Heat Pipe Solar Receiver for Oxygen Production of Lunar Regolith](#) [5]

Advanced Cooling Technologies, Inc.

1046 New Holland Avenue

Lancaster, PA 17601

Jon Zuo (717) 295-6058

07-2-X11.01-8478 GRC

[VCHP Radiators for Lunar and Martian Environments](#) [6]

Advanced Fluidics, LLC

4217 Red Bandana Way

Ellicott City, MD 21042

Surya Raghu (410) 499-9237

07-2-A2.05-9161 LaRC

[Compact Fluidic Actuator Arrays for Flow Control](#) [7]

Advanced Optical Systems, Inc.

6767 Old Madison Pike, Suite 410

Huntsville, AL 35806

Halley Little (256) 971-0036

07-2-X2.01-9384 GSFC

[Using a Bore Sight Camera as an AR&D Sensor](#) [8]

Advanced Scientific Concepts, Inc.

135 Ortega Street

Santa Barbara, CA 93101

JoAnn Stettner (805) 966-3331

07-2-X2.01-8759 JSC

[Flash 3D Rendezvous and Docking Sensor](#) [9]

Advanced Scientific Concepts, Inc.

135 Ortega Street

Santa Barbara, CA 93101

JoAnn Stettner (805) 966-3331

07-2-S5.02-8644 JPL

[Flash 3D Planetary Entry, Descent and Landing Sensor Hardening](#) [10]

Advanced Scientific Concepts, Inc.

135 Ortega Street

Santa Barbara, CA 93101

JoAnn Stettner (805) 966-3331

07-2-X2.02-8558 LaRC

[Flash 3D Enhancements for Autonomous Precision Landing and Hazard Detection and Avoidance](#) [11]

Advatech Pacific, Inc.

1849 North Wabash Avenue

Redlands, CA 92374

Tom Kister (909) 307-6218

07-2-S4.08-9441 ARC

[Virtual Satellite Integration Environment](#) [12]

Aerodyne Research, Inc.

45 Manning Road

Billerica, MA 01821

Andrew Freedman (978) 663-9500

07-2-S1.08-9736 ARC

[Multispectral Particle Absorption Monitor](#) [13]

Aerodyne Research, Inc.

45 Manning Road

Billerica, MA 01821

Andrew Freedman (978) 663-9500

07-2-X3.03-9656 JPL

[Spacecraft Cabin Particulate Monitor](#) [14]

Aerodyne Research, Inc.

45 Manning Road

Billerica, MA 01821

Charles Kolb (978) 663-9500

07-2-A2.02-9654 GRC

[An Adaptive Chemistry Approach to Modeling Emissions Performance of Gas Turbine Combustors](#) [15]

Applied EM, Inc.

144 Research Drive

Hampton , VA 23666

C.J. Reddy (757) 224-2035

07-2-O1.04-9232 JSC

[Conformal Space Suit Antenna Development for Enhanced EVA Communications and Wearable Computer Applications](#) [16]

Aries Design Automation, LLC

6157 N Sheridan Road, Suite 16M

Chicago, IL 60660

Miroslav Velez (773) 856-6633

07-2-X1.02-8523 ARC

[Efficient Techniques for Formal Verification of PowerPC 750 Executables](#) [17]

Ashwin-Ushas Corp, Inc.

500 James Street, Suite 7

Lakewood, NJ 07728

Prasanna Chandrasekhar (732) 901-9096

07-2-S3.02-9170 GSFC

[Variable Emissivity Electrochromics using Ionic Electrolytes and Low Solar Absorptance Coatings](#) [18]

Aspen Aerogels, Inc.

30 Forbes Road, Bldg. B

Northborough, MA 01532

Kevin Schmidt (508) 691-1161

07-2-A2.01-9382 GRC

[Multifunctional Aerogel Thermal Protection Systems for Hypersonic Vehicles](#) [19]

ATA Engineering, Inc.

11995 El Camino Real

San Diego, CA 92130

Ronan Cunningham (858) 480-2015

07-2-A2.03-8606 GRC

[Development of an Engine Air-Brake for Quiet Drag Applications](#) [20]

Atlas Scientific

1367 Camino Robles Way

San Jose, CA 95120

Ali Kashani (408) 507-0906

07-2-S3.02-9921 GSFC

[Thermally Conductive Tape Based on Carbon Nanotube Array](#) [21]

Aurora Flight Sciences Corporation

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 500-0536

07-2-X8.03-9658 GRC

[Autonomous Control of Space Nuclear Reactors](#) [22]

Aurora Flight Sciences Corporation

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 500-0536

07-2-S2.01-8714 GSFC

[Synthetic Imaging Maneuver Optimization \(SIMO\)](#) [23]

Aymont Technology, Inc.

30 Saratoga Avenue, Suite 6H

Ballston Spa, NY 12020

Larry Rowland (518) 810-3294

07-2-S1.05-9011 GSFC

[SiC Avalanche Photodiodes and Arrays](#) [24]

Barron Associates, Inc.

1410 Sachem Place, Suite 202

Charlottesville, VA 22901

Connie Hoover (434) 973-1215

07-2-A1.11-9128 LaRC

[Validation Tools and Methods for Diagnostic Systems](#) [25]

Black Forest Engineering, LLC

PO Box 8059

Colorado Springs, CO 80908

Vivian McDonald (719) 593-9501

07-2-S1.05-9289 MSFC

[Low Power X-Ray Photon Resolving Imaging Array](#) [26]

Broadband Photonics Incorporated

11 Bradford Road

Winchester, MA 01890

Wei Xu (781) 640-4186

07-2-X9.02-9224 KSC

[In-Space Distributed Fiber Optic Hydrogen Leak Sensor](#) [27]

Busek Co., Inc.

11 Tech Circle

Natick, MA 01760

Judy Budny (508) 655-5565

07-2-S2.01-8706 JPL

[Colloid Thruster for Attitude Control Systems \(ACS\) and Tip-off Control Applications](#) [28]

Coherent Logix, Inc.

1120 S. Capital of Texas Hwy, Bldg. 3, Suite 310

Austin, TX 78746

Donald Gorsuch (512) 382-8951

07-2-S3.01-8738 GSFC

[Reliable High Performance Processing System \(RHPPS\)](#) [29]

Coherent Technical Services, Inc.

46591 Expedition Drive, Suite 300

Lexington Park, MD 20653

Tom Sanders (301) 880-3341

07-2-A1.09-9909 LaRC

[Avionics for Scaled Remotely Operated Vehicles](#) [30]

Combustion Research and Flow Technology

6210 Keller's Church Road

Pipersville, PA 18947

Paula Schachter (215) 766-1520

07-2-A2.06-9510 LaRC

[New Chemical Kinetics Approach for DSMC Applications to Nonequilibrium Flows](#) [31]

Composite Technology Development, Inc.

2600 Campus Drive, Suite D

Lafayette, CO 80026

Lori Pike (303) 664-0394

07-2-O1.04-8808 GRC

[Surface Optimization Techniques for Deployable Reflectors](#) [32]

Continuum Dynamics, Inc.

34 Lexington Avenue

Ewing, NJ 08618

Barbara Agans (609) 538-0444

07-2-A2.01-9010 GRC

[High Temperature Shape Memory Alloy Technology for Inlet Flow Control](#) [33]

Creare, Inc.

P.O. Box 71

Hanover, NH 03755

James Barry (603) 640-2487

07-2-X9.01-9829 ARC

[Advanced, Long-Life Cryocooler Technology for Zero-Boil-Off Cryogen Storage](#) [34]

Creare, Inc.

P.O. Box 71

Hanover, NH 03755

James Barry (603) 640-2487

07-2-S1.09-9757 GSFC

[Very Low-Cost, Rugged, High-Vacuum System for Mass Spectrometers](#) [35]

Creare, Inc.

P.O. Box 71

Hanover, NH 03755

James Barry (603) 640-2487

07-2-S2.05-9744 GSFC

[The Affordable Pre-Finishing of Silicon Carbide for Optical Applications](#) [36]

CU Aerospace, LLC

2100 South Oak Street, Suite 206

Champaign, IL 61802

Wayne Solomon (217) 333-8274

07-2-S3.04-9790 MSFC

[UltraSail Solar Sail Flight Experiment](#) [37]

Design Interactive, Inc.

1221 E. Broadway, Suite 110

Oviedo, FL 32765

John Stanney (407) 706-0977

07-2-X13.01-8449 JSC

[CogGauge \(A Cognitive Assessment Tool\)](#) [38]

Dynamic Sensing Technologies

125 I Brittany Manor Drive

Amherst, MA 01002

Luko Krnan (520) 444-5622

07-2-S1.02-9952 GSFC

[Digital Conically Scanned L-Band Radar](#) [39]

Dynamic Structures and Materials, LLC

205 Williamson Square

Franklin, TN 37064

Murray Johns (615) 595-6665

07-2-X6.02-8294 GSFC

[Cryogenic Rotary Piezoelectric Motor](#) [40]

ElectroChem, Inc.

400 West Cummings Park

Woburn, MA 01801

Radha Jalan (781) 938-5300

07-2-X8.01-9374 JPL

[Advanced Approaches to Greatly Reduce Hydrogen Gas Crossover Losses in PEM Electrolyzers Operating at High Pressures and Low Current Densities](#) [41]

Eltron Research & Development, Inc.

4600 Nautilus Court South

Boulder, CO 80301

James Beck (303) 530-0263

07-2-X11.01-8439 JSC

[Efficient Space Hardy Thermoelectric Materials with Broad Temperature Range](#) [42]

Eltron Research & Development, Inc.

4600 Nautilus Court South

Boulder, CO 80301

James Beck (303) 530-0263

07-2-O1.07-8424 GRC

[Electrochemical Capacitor Development for Pulsed Power Communications](#) [43]

Emergent Space Technologies, Inc.

6301 Ivy Lane, Suite 720

Greenbelt, MD 20770

Everett Cary (301) 345-1535

07-2-O3.04-8775 ARC

[Ground Enterprise Management System](#) [44]

Energy Plus Ltd.

23342 South Pointe Drive, Suite E

Laguna Hills, CA 92653

Vincent McDonell (949) 583-1197

07-2-A2.02-9840 GRC

[Mechanistic Model for Atomization of Superheated Liquid Jet Fuel](#) [45]

Energy Plus Ltd.

23342 South Pointe Drive, Suite E

Laguna Hills, CA 92653

Vincent McDonell (949) 583-1197

07-2-A2.02-9839 GRC

[Automated Analysis of Imaging Based Experiments](#) [46]

Fibertek, Inc.

510 Herndon Parkway

Herndon, VA 20170

Floyd Hovis (703) 956-3626

07-2-S1.01-9270 LaRC

[Single Frequency Lasers for Space-Based Wind and Aerosol Lidar](#) [47]

Firestar Engineering, LLC

557 Burbank Street, Unit J

Broomfield, CO 80020

Christopher Mungas (303) 439-2698

07-2-X9.03-9640 JSC

[Nitrous Oxide Fuel Blend-Continuous Operation Lunar Thruster \(NOFB-COLT\)](#) [48]

Flight Landata, Inc.

One Parker Street

Lawrence, MA 01843

Tom Harris (978) 682-7767

07-2-S1.08-9341 GSFC

[Miniaturized Airborne Imaging Central Server System](#) [49]

Giner Electrochemical Systems, LLC

89 Rumford Avenue

Newton, MA 02466

Anthony Vaccaro (781) 529-0504

07-2-X8.01-9791 GRC

[Electrolyzer for NASA Lunar Regenerative Fuel Cells](#) [50]

Giner Electrochemical Systems, LLC

89 Rumford Avenue

Newton, MA 02466

Anthony Vaccaro (781) 529-0504

07-2-X8.01-9737 JPL

[Dimensionally Stable Membrane for High Pressure Electrolyzers](#) [51]

Grainflow Dynamics, Inc.

1141 Catalina Drive, PMB #270

Livermore, CA 94550

Otis Walton (925) 447-4293

07-2-X5.02-8417 GRC

[High Fidelity Multi-Scale Regolith Simulation Tool for ISRU](#) [52]

Honeybee Robotics Ltd.

460 W 34th Street

New York, NY 10001

Chris Chapman (646) 459-7802

07-2-X7.04-9485 JSC

[Dust-Tolerant, Reusable Connection Mechanism for Lunar Environments](#) [53]

Honeybee Robotics Ltd.

460 W 34th Street

New York, NY 10001

Chris Chapman (646) 459-7802

07-2-S5.03-9066 JPL

[SASSI: Subsystems for Automated Subsurface Sampling Instruments](#) [54]

Honeybee Robotics Ltd.

460 W 34th Street

New York, NY 10001

Chris Chapman (646) 459-7802

07-2-S5.03-8882 JPL

[One-Meter Class Drilling for Planetary Exploration](#) [55]

Honeybee Robotics Ltd.

460 W 34th Street

New York, NY 10001

Chris Chapman (646) 459-7802

07-2-X7.03-8844 JSC

[A 3-D Miniature LIDAR System for Mobile Robot Navigation](#) [56]

Illuminex Corporation

1064 New Holland Avenue

Lancaster , PA 00000

Youssef Habib (717) 295-3746

07-2-X11.01-9722 JSC

[High Performance Low Mass Nanowire Enabled Heatpipe](#) [57]

Impact Technologies, LLC

200 Canal View Blvd.

Rochester, NY 14623

Carol Marquardt (585) 424-1990

07-2-X1.04-9851 ARC

[HyDE Enhancements for ISHM Deployment](#) [58]

Intelligent Automation, Inc.

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

07-2-S1.02-8869 GSFC

[Reconfigurable L-band Radar Transceiver using Digital Signal Synthesis](#) [59]

International Electronic Machines Corporation (IEM)

60 Fourth Avenue

Albany, NY 12202

Robert Foss (518) 449-5504

07-2-O2.02-9942 SSC

[Intelligent Flamefinder Detection and Alert System \(IFDAS\)](#) [60]

International Scientific Technologies, Inc.

P.O. Box 757

Dublin, VA 24084

Wanda Gibson (540) 633-1424

07-2-X6.03-8786 LaRC

[Hydrogen-Rich, Multifunctional Polymeric Nanocomposites for Radiation Shielding](#) [61]

JJW Consulting, Inc.

1500 New Horizons Blvd.

North Amityville, NY 11701

James Whelehan (970) 392-2756

07-2-S1.03-9150 JPL

[Low Noise Millimeter Wave LNA](#) [62]

Kopin Corporation

200 John Hancock Road

Taunton, MA 02780

Roger Welser (508) 824-6696

07-2-S3.03-9444 GRC

[Nanostructured InGaP Solar Cells](#) [63]

Lawrie Technology, Inc.

227 Hathaway E

Girard, PA 16417

Duncan Lawrie (814) 746-4125

07-2-A2.10-8919 GRC

[Fully Integral, Flexible Composite Driveshaft](#) [64]

Linea Research Corporation

1020 Corporation Way, Suite 216

Palo Alto, CA 94303

Yong Jin Lee (650) 533-9546

07-2-X12.01-9535 JSC

[Wearable Beat to Beat Blood Pressure Monitor](#) [65]

Los Gatos Research

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-7772

07-2-S1.09-9028 JPL

[Novel Micro-Capillary Electrochromatography for Mars Organic Detector](#) [66]

Luminit, LLC

1850 W. 205 Street

Torrance, CA 90501

Marie Todd (310) 320-1066

07-2-X4.03-9536 GRC

[Holographic Waveguided See-Through Display](#) [67]

Luna Innovations Incorporated

1 Riverside Circle, Suite 400

Roanoke, VA 24016

Michael Pruzan (540) 769-8430

07-2-O3.03-9063 KSC

[Self Healing Ultrahydrophobic Coatings for Corrosion Protection](#) [68]

Luxel Corporation

515 Tucker Avenue

Friday Harbor, WA 98250

Dianne Hall (360) 378-4137

07-2-S1.05-8972 GSFC

[Blocking Filters with Enhanced Throughput for X-Ray Microcalorimetry](#) [69]

Lynntech, Inc.

7610 Eastmark Drive

College Station, TX 77840

Cynthia Barnett (979) 693-0017

07-2-X4.02-8991 JSC

[Compact, Lightweight, Efficient Cooling Pump for Space Suit Life Support Systems](#) [70]

M4 Engineering, Inc.

4020 Long Beach Blvd.

Long Beach, CA 90807

Myles Baker (562) 981-7797

07-2-A2.04-8573 LaRC

[Generalized Reduced Order Model Generation](#) [71]

Materials Research and Design

300 E. Swedesford Road

Wayne, PA 19087

Brian Sullivan (610) 964-6131

07-2-A2.01-8811 LaRC

[Extreme Environment Damage Index and Accumulation Model for CMC Laminate Fatigue Life Prediction](#) [72]

Materials Technologies Corporation

57 Maryanne Drive

Monroe, CT 06468

Yogesh Mehrotra (203) 874-3100

07-2-A2.10-8476 ARC

[Elastomeric Dampers derived from First-Principles-Based Analytical Simulation](#) [73]

Mechanical Solutions, Inc.

11 Apollo Drive

Whippany, NJ 07054

William Marscher (973) 326-9920

07-2-A2.04-8395 GRC

[Blade Vibration Measurement System for Characterization of Closely Spaced Modes and Mistuning](#) [74]

Merril Corporation of Utah, dba MSI Photogenics

P.O. Box 511283

Salt Lake City, UT 84151

David Merrill (801) 773-7900

07-2-X14.03-8416 ARC

[Spectroscopic Dosimeter](#) [75]

MetroLaser, Inc.

8 Chrysler

Irvine, CA 92618

Christina Arnold (949) 553-0688

07-2-A2.08-9753 AFRC

[An All Electronic, Adaptive, Focusing Schlieren System for Flight Research](#) [76]

Metron Aviation, Inc.

45300 Catalina Court, Suite 101

Dulles, VA 20166

David Gaul (703) 234-0802

07-2-A3.01-9057 ARC

[On-Demand Special Use Airspace](#) [77]

Michigan Aerospace Corporation

1777 Highland Drive, Suite B

Ann Arbor, MI 48108

Peter Tchoryk (734) 975-8777

07-2-A1.05-9348 ARC

[Advanced Data Mining and Deployment for Integrated Vehicle Health Management and the Space Vehicle Lifecycle](#) [78]

Michigan Aerospace Corporation

1777 Highland Drive, Suite B

Ann Arbor, MI 48108

Pete Tchoryk (734) 975-8777

07-2-S1.01-9084 LaRC

[Fabry-Perot Based Ranging Interferometer Receiver for High Spectral Resolution Lidar](#) [79]

Microcosm, Inc.

4940 W. 147th Street

Hawthorne, CA 90250

Lynn Shimohara (310) 219-2700

07-2-S4.06-9411 GSFC

[Plug-and-Play Star Sensor for Rapid Spacecraft Integration](#) [80]

MicroLink Devices

6457 Howard Street

Niles, IL 60714

Noren Pan (847) 588-3001

07-2-S3.03-8411 GRC

[Lightweight InP Solar Cells for Space Applications](#) [81]

Microscale, Inc.

800 West Cummings Park, Suite 3350

Woburn, MA 01801

Xingtao Wu (781) 995-2245

07-2-S2.02-8576 JPL

[Single Crystal Bimorph Array \(SCBA\) Driven Deformable Mirror \(DM\)](#) [82]

Mobile Energy Products, Inc.

3820 S Hancock Expressway

Colorado Springs, CO 80911

Dave Lucero (719) 392-4266

07-2-S5.01-9846 JPL

[High Temperature Energy Storage for In Situ Planetary Atmospheric Measurement Technologies](#) [83]

Mobitrum Corporation

8070 Georgia Avenue, Suite 207

Silver Spring, MD 20910

Ray Wang (301) 585-4040

07-2-O2.02-9994 SSC

[Sensor Area Network for Integrated Systems Health Management](#) [84]

Mosaic ATM, Inc.

801 Sycolin Road, Suite 212

Leesburg, VA 20175

Chris Stevenson (540) 338-5192

07-2-A3.02-8835 ARC

[Microscopic Analysis and Modeling of Airport Surface Sequencing](#) [85]

Nanohmics, Inc.

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Keith Jamison (512) 389-9990

07-2-S2.04-9624 MSFC

[Radiation Hard Multi-Layer Optical Coatings](#) [86]

NanoMaterials Company

15 North Bacton Hill Road

Malvern, PA 19355

Nicholas Coppa (610) 695-0081

07-2-X3.02-8845 ARC

[Water Reclamation using Spray Drying](#) [87]

NanoSonic, Inc.

1485 South Main Street

Blacksburg, VA 24060

Mike Bortner (540) 953-1785

07-2-A2.10-9479 LaRC

[Multifunctional Erosion Resistant Icephobic Appliques for Rotorblades](#) [88]

nLight Photonics

5408 NE 88th Street, Building E

Vancouver, WA 98665

Paul Leisher (360) 566-4460

07-2-X2.02-8926 LaRC

[High Sensitivity Indium Phosphide Based Avalanche Photodiode Focal Plane Arrays](#) [89]

nLight Photonics

5408 NE 88th Street, Building E

Vancouver, WA 98665

Dan Milewski (360) 713-4479

07-2-S1.01-8427 LaRC

[Wavelength Stabilized High Brightness Direct Diode Pumps for Solid State LIDAR Systems at Eye-Safe Wavelengths](#) [90]

Novawave Technologies

900 Island Drive, Suite 101

Redwood City, CA 94065

H.J. Jost (650) 610-0956

07-2-S1.08-8517 ARC

[Compact, Ultrasensitive Formaldehyde Monitor](#) [91]

NTI, Inc.

1 1/2 S. Central Avenue

Fairborn, OH 45324

Beth Barker (937) 879-0612

07-2-X13.01-9560 JSC

[Integrated Cognitive Assessment: Combining Measurement, System, and Mission](#) [92]

Omega Optics, Inc.

10435 Burnet Road, Suite 108

Austin, TX 78758

Clara Chen (512) 996-8833

07-2-O1.04-8886 GRC

[Fully Printed Flexible 4-Bit 2D \(4x4\) 16-Element Phased Array Antenna for Lunar Surface Communications](#) [93]

Operational Technologies Corporation

4100 N.W. Loop 410

San Antonio, TX 78229

Judson Miner (210) 731-0000

07-2-X12.01-9625 JSC

[Handheld FRET-Aptamer Sensor for Bone Markers](#) [94]

Optical Scientific, Inc.

2 Metropolitan Court, Suite 6

Gaithersburg, MD 20878

Chung-Dyi Hsu (301) 963-3630

07-2-A3.02-8812 LaRC

[An Optical Wake Vortex Detection System for Super-Density Airport Operation](#) [95]

Optimal Synthesis, Inc.

95 First Street, Suite 240

Los Altos, CA 94022

P. Menon (650) 213-8585

07-2-A1.04-8554 ARC

[Rapid Estimation of Aircraft Performance Models using Differential Vortex Panel Method and Extended Kalman Filter](#) [96]

Orbital Technologies Corporation

Space Center, 1212 Fourier Drive

Madison, WI 53717

Robert Gustafson (608) 229-2725

07-2-X7.04-9706 MSFC

[High-Fidelity Lunar Dust Simulant](#) [97]

Orion Propulsion, Inc.

105 A-4 Commerce Circle

Madison, AL 35758

Shar Hendrick (256) 327-7617

07-2-X9.03-8678 MSFC

[Acoustic Igniter](#) [98]

Paragon Space Development Corporation

3481 E. Michigan Street

Tucson, AZ 85714

Carole Hammond (520) 382-4814

07-2-X4.02-9360 JSC

[Metabolic Heat Regenerated Temperature Swing Adsorption for CO₂, Thermal and Humidity Control](#) [99]

Paragon Space Development Corporation

3481 E. Michigan Street

Tucson, AZ 85714

Carole Hammond (520) 382-4814

07-2-X4.02-9353 JSC

[A Super Cooled, Non-toxic, Non-flammable Phase Change Material Thermal Pack for Portable Life Support Systems](#) [100]

Physical Optics Corporation

20600 Gramercy Place, Bldg. 100

Torrance, CA 90501

Gordon Drew (310) 320-3088

07-2-S1.05-9739 GSFC

[Silicon Microchannel Plate Large Area UV Detector](#) [101]

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 01810

B. David Green (978) 689-0003

07-2-S4.07-9076 ARC

[Pulsed Electrogasdynamic Thruster for Attitude Control and Orbit Maneuver](#) [102]

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 01810

B. David Green (978) 689-0003

07-2-X6.03-8797 LaRC

[Long Duration Space Shelter Shielding](#) [103]

Picomatrix, LLC

2925 Boardwalk Drive

Ann Arbor, MI 48104

Robin Risser (734) 864-5605

07-2-A1.06-9274 GRC

[Time Domain Terahertz Axial Computed Tomography Non Destructive Evaluation](#) [104]

Pioneer Astronautics

11111 W. 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

07-2-X5.01-9824 KSC

[Lunar Sulfur Capture System](#) [105]

Pioneer Astronautics

11111 W. 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

07-2-X5.01-9825 JSC

[Multi-Cell Thermal Battery](#) [106]

Plasma Processes, Inc.

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

07-2-X9.04-9517 MSFC

[Lightweight Nozzle Extension for Liquid Rocket Engines](#) [107]

PolarOnyx, Inc.

470 Lakeside Drive, Suite F

Sunnyvale, CA 94085

Jian Liu (408) 245-9588

07-2-S1.01-9794 LaRC

[High Energy Single Frequency Fiber Laser at Low Repetition Rate](#) [108]

Polatomic, Inc.

1810 N. Glenville Drive, #116

Richardson, TX 75081

Robert Slocum (972) 690-0099

07-2-S1.06-8463 GSFC

[Self-Calibrating Vector Helium Magnetometer \(SVHM\)](#) [109]

PROVE IT, LLC

14514 Creek Crossing Drive

Orland Park, IL 60467

George Sadler (708) 441-8781

07-2-X13.02-9217 JSC

[Dual Use Packaging](#) [110]

Q-Peak, Inc.

135 South Road

Bedford, MA 01730

B. David Green (978) 689-0003

07-2-S1.01-9308 LaRC

[Efficient Tm-Fiber-Pumped Ho:YLF Laser System for Coherent LIDAR Applications](#) [111]

Q-Peak, Inc.

135 South Road

Bedford, MA 01730

Peter Moulton (781) 275-9535

07-2-X2.02-8931 LaRC

[Efficient 3-D Ladar Source](#) [112]

Quallion, LLC

12744 San Fernando Road

Sylmar, CA 91342

Vincent Visco (818) 833-2025

07-2-S3.03-9617 JPL

[Expanded Operational Temperature Range for Space Rated Li-Ion Batteries](#) [113]

Rapid Imaging Software, Inc.

1318 Ridgecrest Place SE

Albuquerque, NM 87108

Carolyn Galceran (505) 265-7020

07-2-X7.02-9718 JSC

[Advanced Situation Awareness Technologies](#) [114]

Reactive Innovations, LLC

2 Park Drive, Unit 4

Westford, MA 01886

Michael Kimble (978) 692-4664

07-2-X3.01-9876 MSFC

[High-Pressure Oxygen Concentrator](#) [115]

Research Support Instruments, Inc.

4325-B Forbes Blvd.

Lanham, MD 20706

Christopher Rollins (301) 306-0010

07-2-A4.01-8824 LaRC

[Friction-Sensing Reflector Array Patches \(FRAP\)](#) [116]

Rini Technologies, Inc.

582 South Econ Circle

Orlando, FL 32765

Dan Rini (407) 359-7138

07-2-S3.02-9398 JPL

[Lightweight and Energy Efficient Heat Pump](#) [117]

Rolling Hills Research Corporation

420 N. Nash Street

El Segundo, CA 90245

Brian Kramer (310) 640-8781

07-2-A2.08-8599 AFRC

[Innovative Self-Powered and Self-Contained Sensor Array for Separation Detection](#) [118]

S&K Aerospace

63066 Old Highway 93

St Ignatius, MT 59865

Arthur Molin (281) 480-1453

07-2-O3.01-9652 JSC

[Electronic Procedures for Medical Operations](#) [119]

S&K Aerospace

63066 Old Highway 93

St Ignatius, MT 59865

Arthur Molin (281) 480-1453

07-2-X1.01-9651 ARC

[Procedure Integrated Development Environment \(PRIDE\)](#) [120]

Safeware Engineering Corporation

1500 Fairview Ave E., Suite 205

Seattle, WA 98102

Janet Bogar (206) 328-4880

07-2-X1.02-9216 ARC

[Automated Test Case Generation from Highly Reliable System Requirements Models](#) [121]

San Diego Composites, Inc.

9550 Ridgehaven Court, Suite A

San Diego, CA 92123

Christine Benzie (858) 751-0450

07-2-X6.04-8594 LaRC

[Double Bag VARTM for High Temperature Composites](#) [122]

sci_zone

17133 Inavale

Holland, MI 49424

Andrew Santangelo (505) 205-8315

07-2-S4.03-9166 ARC

[step_SATdb. An Open Source Based Satellite Design Data Architecture with API Design and Management Plugins](#) [123]

SciberQuest, Inc.

2130 Via Mar Valle

Del Mar, CA 92014

Homa Karimabadi (858) 793-7063

07-2-S6.02-9196 GSFC

[High Interactivity Visualization Software for Large Computational Data Sets](#) [124]

Scientific Systems Company, Inc.

500 West Cummings Park, Suite 3000

Woburn, MA 01801

Raman Mehra (781) 933-5355

07-2-O1.10-9476 JSC

[SELENE - Self-Forming Extensible Lunar EVA Network](#) [125]

Seldon Laboratories, LLC

PO Box 710

Windsor, VT 05089

Jonathan Wilson (802) 674-2444

07-2-X3.01-8838 GRC

[Application of a Fused Carbon Nanomaterial Filter for Lunar Dust Abatement](#) [126]

Sienna Technologies, Inc.

19501 144th Avenue NE, Suite F-500

Woodinville, WA 98072

Karen Valdastrì (425) 485-7272

07-2-S3.04-8649 JPL

[A High Performance Cathode Heater for Hall Thrusters](#) [127]

Sienna Technologies, Inc.

19501 144th Avenue NE, Suite F-500

Woodinville, WA 98072

Karen Valdastrì (425) 485-7272

07-2-X1.03-8784 LaRC

[A Reliable Electronic Package for Space Exploration](#) [128]

Spectra Research, Inc.

2790 Indian Ripple Road

Dayton, OH 45440

Jerry Capozzi (937) 320-5999

07-2-S1.02-9359 JPL

[Dual Polarization Multi-Frequency Antenna Array](#) [129]

Stellar Exploration, Inc.

174 Suburban Road Suite 120

San Luis Obispo, CA 93401

Tomas Svitek (805) 549-8200

07-2-S4.07-8340 ARC

[Innovative Applications of DoD Propulsion Technology for Low-Cost Satellite Missions](#) [130]

Stellar Exploration, Inc.

174 Suburban Road Suite 120

San Luis Obispo, CA 93401

Tomas Svitek (805) 549-8200

07-2-S4.06-8307 ARC

[Low-Cost Suite of COTS GNC Sensors for Precision Lunar Lander](#) [131]

Stottler Henke Associates, Inc.

951 Mariner's Island Blvd., Suite 360

San Mateo, CA 94404

Carolyn Maxwell (650) 931-2700

07-2-O3.04-9160 ARC

[Intelliviz - An Intelligent Telemetry Data Visualization Assistant](#) [132]

Structured Materials Industries, Inc.

201 Circle Drive N., Suite 102-103

Piscataway, NJ 08854

Gary Tompa (732) 302-9274

07-2-X1.03-8300 LaRC

[Radiation-Tolerant Reprogrammable FPGA for Digital Signal Processing Circuits](#) [133]

Sukra Helitek, Inc.

3146 Greenwood Road

Ames, IA 50014

R. Nappinnai (515) 292-9646

07-2-A2.10-8873 ARC

[Computational Wind Tunnel: A Design Tool for Rotorcraft](#) [134]

Sun Innovations, Inc.

44166 Old Warm Springs Blvd.

Fremont, CA 94538

Ted Sun (510) 651-1329

07-2-S3.03-9727 GRC

[Novel Materials that Enhance Efficiency and Radiation Resistance of Solar Cells](#) [135]

Surface Optics Corporation

11555 Rancho Bernardo Road

San Diego, CA 92127

Julie Anderson (858) 675-7404

07-2-O1.08-8373 JPL

[Very Large Solar Rejection Filter for Laser Communication](#) [136]

SVT Associates

7620 Executive Drive

Eden Prairie, MN 55344

Leslie Price (952) 934-2100

07-2-O1.09-9383 JPL

[Integrated Production of Ultra-Low Defect GaN Films and Devices for High-Power Amplifiers](#) [137]

Tai-Yang Research Company

9112 Farrell Park Lane

Knoxville, TN 37922

Christopher Rey (865) 250-0237

07-2-S1.07-9378 GSFC

[Novel Lightweight Magnets for Space Applications](#) [138]

Tech-X Corporation

5621 Arapahoe Avenue, Suite A

Boulder, CO 80303

Leslie Rosczyk (720) 974-1855

07-2-S6.02-9676 GSFC

[Remote Data Exploration with the Interactive Data Language](#) [139]

The DNA Medicine Institute

727 Massachusetts Avenue

Cambridge, MA 02139

Eugene Chan (617) 233-7656

07-2-X12.03-8958 GRC

[Reusable Handheld Electrolytes and Lab Technology for Humans \(rHEALTH Sensor\)](#) [140]

The Peregrine Falcon Corporation

1072 A Serpentine Lane

Pleasanton, CA 94566

Robert Hardesty (925) 461-6806

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[Thermal Pyrolytic Graphite Enhanced Components](#) [141]

ThinKom Solutions, Inc.

3825 Del Amo Blvd., Suite 200

Torrance, CA 90503

Stuart Coppedge (310) 371-5486

07-2-A1.03-8543 LaRC

[A Low Cost, Electronically Scanned Array \(ESA\) Antenna Technology for Aviation Hazard Detection and Avoidance](#) [142]

Toyon Research Corporation

6800 Cortona Drive

Goleta, CA 93117

Marcella Lindbery (805) 968-6787

07-2-O1.03-9524 GSFC

[Single-Aperture GPS-based Attitude \(GPS/A\) Sensor for Spin-Stabilized Platforms](#) [143]

Traclabs, Inc.

100 N.E. Loop 410 Suite 520

San Antonio, TX 78217

David Kortenkamp (281) 461-9525

07-2-X1.01-9152 ARC

[Enhancing NASA's Procedure Representation Language to Support Planning Operations](#) [144]

TRS Ceramics, Inc.

2820 East College Avenue

State College, PA 16801

Wesley Hackenberger (814) 238-7485

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[Single Crystal Piezoelectric Deformable Mirrors with High Actuator Density and Large Stroke](#) [145]

Ultramet

12173 Montague Street

Pacoima, CA 91331

Craig Ward (818) 899-0236

07-2-X8.03-8499 GRC

[High Efficiency, High Temperature Foam Core Heat Exchanger for Fission Surface Power Systems, Phase II](#) [146]

UMPQUA Research Company

PO Box 609

Myrtle Creek, OR 97457

John Aker (541) 863-2655

07-2-X3.02-9715 JSC

[Nonhazardous Urine Pretreatment Method for Future Exploration Systems](#) [147]

Valeo Human Performance, LLC

1235 Clear Lake City Blvd., Suite F

Houston, TX 77062

Paul Colosky (281) 488-5877

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[The Constant Force Resistive Exercise Unit \(CFREU\) for Multi-Functional Exercise](#) [148]

Virginia Diodes, Inc.

979 Second Street, SE

Charlottesville, VA 22902

Thomas Crowe (434) 297-3257

07-2-S1.03-8994 GSFC

[Schottky Heterodyne Receivers with Full Waveguide Bandwidth](#) [149]

Vista Photonics, Inc.

67 Condesa Road

Santa Fe, NM 87508

Jeffrey Pilgrim (505) 466-3953

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[Airborne Isotopic Hydrocarbon Analyzer for Titan](#) [150]

Vista Photonics, Inc.

67 Condesa Road

Santa Fe, NM 87508

Jeffrey Pilgrim (505) 466-3953

07-2-S1.08-9912 GSFC

[High-Performance Airborne Optical Carbon Dioxide Analyzer](#) [151]

Vista Photonics, Inc.

67 Condesa Road

Santa Fe, NM 87508

Jeffrey Pilgrim (505) 466-3953

07-2-X4.03-9910 GRC

[Compact Optical Carbon Dioxide Monitor for EVA](#) [152]

Vista Photonics, Inc.

67 Condesa Road

Santa Fe, NM 87508

Jeffrey Pilgrim (505) 466-3953

07-2-X3.04-9258 GRC

[Advanced Fire Detector for Space Applications](#) [153]

Waddan Systems

8801 Encino Avenue

Northridge, CA 91325

Mahendra Singh (661) 257-4172

07-2-A4.01-8341 AFRC

[Aircraft Nodal Data Acquisition System \(ANDAS\)](#) [154]

WEVOICE, Inc.

9 Sylvan Drive

Bridgewater, NJ 08807

Sherry Ye (908) 575-8955

07-2-O3.02-8769 GRC

[Microphone Array Signal Processing and Active Noise Control for the In-Helmet Speech Communication](#) [155]

Whittinghill Aerospace, LLC

265 Durley Avenue, Suite 208

Camarillo, CA 93010

George Whittinghill (805) 901-2297

07-2-S4.07-8526 ARC

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Xiomas Technologies

1317 Skyway Drive

Ypsilanti, MI 48197

John Green (734) 646-6535

07-2-S1.08-9119 ARC

[Airborne Wide Area Imager for Wildfire Mapping and Detection](#) [157]

Zona Technology, Inc.

9489 E. Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

07-2-A2.04-9327 LaRC

[Nonlinear Aerodynamic and Nonlinear Structures Interactions \(NANSI\) Methodology for Ballute/Inflatable Aeroelasticity in Hypersonic Atmospheric Entry](#) [158]

Zona Technology, Inc.

9489 E. Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

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