



## Proposals Selected for Negotiation of Contracts

Expand All

- **Alabama (5)**

- **CFD Research Corporation**

- 215 Wynn Drive, 5th Floor

- Huntsville, AL 35805

- Silvia Harvey (256) 726-4858

- 08-2-A2.06-9653 LaRC

- [A Comprehensive CFD Tool for Aerothermal Environment Around Space Vehicles](#) [1]

- **Plasma Processes, Inc.**

- 4914 Moores Mill Road

- Huntsville, AL 35811

- Timothy McKechnie (256) 851-7653

- 08-2-X3.02-9756 KSC

- [High Surface Area Iridium Anodes and Melt Containers for Molten Oxide Electrolysis](#) [2]

- **Plasma Processes, Inc.**

- 4914 Moores Mill Road

- Huntsville, AL 35811

- Timothy McKechnie (256) 851-7653

- 08-2-X5.02-9672 GRC

- [Multi-Use Coating for Abrasion Prevention, Wear Protection, and Lunar Dust Removal](#) [3]

- **Plasma Processes, Inc.**

- 4914 Moores Mill Road

- Huntsville, AL 35811

- Timothy McKechnie (256) 851-7653

08-2-X4.06-9326 MSFC

[Advanced Composite Thrust Chambers for the Altair Lunar Lander](#) [4]

**Streamline Automation, LLC**

3100 Fresh Way SW

Huntsville, AL 35805

Alton Reich (256) 256-1220

08-2-X9.01-9771 JSC

[Compact, Controlled Force Crew Exercise System](#) [5]

• **Arizona (4)**

**AdValue Photonics, Inc.**

4585 S. Palo Verde Road, Suite 405

Tucson, AZ 85714

Shibin Jiang (520) 790-5468

08-2-S1.01-9416 LaRC

[Q-Switched High Power Single Frequency 2 Micron Fiber Laser](#) [6]

**NP Photonics, Inc.**

9030 S. Rita Road

Tucson, AZ 85747

James Fountain (520) 520-7424

08-2-S1.01-9294 GSFC

[High SBS-Threshold Er/Yb Co-Doped Phosphate Glass Fiber Amplifiers for High Power, Sub-us Pulsed, Narrow Linewidth, All Fiber-Based Laser Transmitter](#) [7]

**NP Photonics, Inc.**

9030 S. Rita Road

Tucson, AZ 85747

James Fountain (520) 520-7424

08-2-S1.01-9291 LaRC

[1.26 Single Frequency Fiber Laser](#) [8]

**Zona Technology, Inc.**

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9489 E. Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

08-2-A2.04-8952 LaRC

[ZEUS-DO: A Design Oriented CFD-Based Unsteady Aerodynamic Capability for Flight Vehicle Multidisciplinary Configuration Shape Optimization](#) [9]

- **California (34)**

- **Advanced Scientific Concepts, Inc.**

- 135 Ortega Street

- Santa Barbara, CA 93101

- JoAnn Stettner (805) 805-3331

- 08-2-S5.01-9625 JPL

- [Flash3D EDL Sensor Technology Advancement](#) [10]

- **American GNC Corporation**

- 888 Easy Street

- Simi Valley, CA 93065

- Emily Melgarejo (805) 805-0582

- 08-2-O2.02-8624 SSC

- [Distributed Rocket Engine Testing Health Monitoring System](#) [11]

- **Applied Poleramic, Inc.**

- 6166 Egret Court

- Benicia, CA 94510

- Brian Hayes (707) 707-6738

- 08-2-X4.05-9752 LaRC

- [Composite Matrix Systems for Cryogenic Applications](#) [12]

- **Applied Spectra, Inc.**

- 46661 Fremont Blvd.

- Fremont, CA 94538

- Richard Russo (925) 330-1431

08-2-S1.09-8929 ARC

[Laser Ablation - Optical Cavity Isotopic Spectrometer \(LAOCIS\)](#) [13]

**Atlas Scientific**

1367 Camino Robles Way

San Jose, CA 95120

Ali Kashani (408) 408-0906

08-2-X7.01-9289 JSC

[Regenerators for Liquid Hydrogen Cryocoolers](#) [14]

**Broadata Communications, Inc.**

2545 W. 237th Street, Suite K

Torrance, CA 90505

Debby Roussell (310) 310-1416

08-2-S4.01-9317 ARC

[Small Space Platform Enhanced Internet Protocol Stack Device](#) [15]

**Deployable Space Systems (DSS)**

955 Nysted Drive

Solvang, CA 93463

Brian Spence (805) 693-1319

08-2-S3.03-8644 GRC

[High-Performance Elastically Self-Deployed Roll-Out Solar Array \(ROSA\)](#) [16]

**DR Technologies, Inc.**

9431 Dowdy Drive

San Diego, CA 92126

Steven Sherman (858) 444-1826

08-2-S2.03-9065 JPL

[Affordable, Precision Reflector Mold Technology \(PDRT08-029-1\)](#) [17]

**Futek Advanced Sensor Technology, Inc.**

10 Thomas

Irvine, CA 92618

John Vargas (949) 465-0900

08-2-S5.03-8527 JPL

[Space/Flight Operable Miniature Six Axis Transducer](#) [18]

**Group4 Labs, LLC**

1600 Adams Drive, Suite 112

Menlo Park, CA 94025

Felix Ejeckam (408) 887-6682

08-2-S1.02-9783 GSFC

[A 10kWatt 36GHz Solid-State Power Amplifier using GaN-on-Diamond](#) [19]

**Hersh Acoustical Engineering, Inc.**

22305 Cairnloch Street

Calabasas, CA 91302

Alan Hersh (818) 224-4699

08-2-A2.03-9848 LaRC

[Numerical and Physical Modeling of the Response of Resonator Liners to Intense Sound and High Speed Grazing Flow](#) [20]

**Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90505

Kisholoy Goswami (310) 310-2011

08-2-X2.04-9678 JPL

[Miniaturized, Multi-Analyte Sensor Array for the Automated Monitoring of Major Atmospheric Constituents in Spacecraft Environment](#) [21]

**Intelligent Optical Systems, Inc.**

2520 W. 237th Street

Torrance, CA 90505

Lothar Kempen (424) 263-6362

08-2-S1.09-8964 ARC

[Lab on a Chip LCVR Polarimeter for Exploration of Life Signatures](#) [22]

**inXitu, Inc.**

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2551 Casey Avenue, Suite A

Mountain View, CA 94043

Philippe Sarrazin (650) 799-2118

08-2-S1.11-9560 ARC

[X-Ray Diffraction and Fluorescence Instrument for Mineralogical Analysis at the Lunar Surface](#) [23]

**Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-7772

08-2-S1.09-9383 JPL

[Novel Polymer Microfluidics Technology for In Situ Planetary Exploration](#) [24]

**Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Douglas Baer (650) 965-7772

08-2-A2.02-9195 GRC

[Novel Instrumentation for In Situ Combustion Measurements](#) [25]

**Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-7772

08-2-O3.03-8945 KSC

[Photonic Sensor for Nondestructive Testing of Composite Overwrapped Pressure Vessels](#) [26]

**Luminit, LLC**

1850 W. 205 Street

Torrance, CA 90501

Marie Todd (310) 310-1066

08-2-S1.04-8859 GSFC

[Integrated Spatial Filter Array](#) [27]

**M4 Engineering, Inc.**

4020 Long Beach Blvd.

Long Beach, CA 90807

Myles Baker (562) 562-7797

08-2-A2.08-8438 GRC

[Integrated Multidisciplinary Optimization Objects](#) [28]

**Makel Engineering, Inc.**

1585 Marauder Street

Chico, CA 95973

Susana Carranza (512) 512-0718

08-2-X3.02-9483 JSC

[Microchannel Methanation Reactors Using Nanofabricated Catalysts](#) [29]

**MARK Resources, Inc.**

3878 Carson Street, Suite 210

Torrance, CA 90503

Richard Mitchell (310) 543-4746

08-2-O4.01-9264 KSC

[Tracking Launch Vehicles in Interference and Jamming](#) [30]

**Microcosm, Inc.**

4940 W. 147th Street

Hawthorne, CA 90250

Lynn Shimohara (310) 219-2700

08-2-X5.01-9850 ARC

[Lunar Navigator - A Miniature, Fully Autonomous, Lunar Navigation, Surveyor, and Range Finder System](#) [31]

**NxGen Electronics, Inc.**

9771 Clairemont Mesa Blvd., Suite A

San Diego, CA 92124

Kathy Nasca (858) 858-6610

08-2-S1.03-9640 JPL

[Low Cost Automated Module Assembly for 180 GHz Devices](#) [32]

**Optimal Synthesis, Inc.**

95 First Street, Suite 240

Los Altos, CA 94022

Victor Cheng (650) 559-8585

08-2-A3.02-8623 ARC

[Trajectory Design to Benefit Trajectory-Based Surface Operations](#) [33]

**Photon Systems**

15112 Industrial Park Street

Covina, CA 91722

William Hug (626) 967-6431

08-2-S1.09-9227 JPL

[Deep UV Semiconductor Sources for Advanced Planetary Science Instruments](#) [34]

**Photon Systems**

15112 Industrial Park Street

Covina, CA 91722

William Hug (626) 967-6431

08-2-S1.11-9152 ARC

[Deep UV Raman/Fluorescence \(DUV-RF\) Stand-Off Sensor for Lunar Science](#) [35]

**Physical Optics Corporation**

20600 Gramercy Place, Bldg. 100

Torrance, CA 90501

Gordon Drew (310) 310-3088

08-2-S1.05-9717 GSFC

[Highly Efficient FUV Photodetector with AlGaN Nanowire Photocathode](#) [36]

**RAPT Industries, Inc.**

46535 Fremont Blvd.

Fremont, CA 94538

Pradeep Subrahmanyam (510) 510-1001



08-2-S2.05-9938 GSFC

[RAP Figuring Slumped Mirrors to Remove Mid-Spatial Frequency Errors](#) [37]

**Shape Change Technologies**

1731 Hendrix Avenue

Thousand Oaks, CA 91360

Peter Jardine (805) 805-5665

08-2-A2.01-8646 GRC

[Development of Fast Response SME TiNi Foam Torque Tubes](#) [38]

**Surface Optics Corporation**

11555 Rancho Bernardo Road

San Diego, CA 92127

Jill Trolinger (858) 583-4362

08-2-S2.05-8681 JPL

[High Reflectivity, Broad-Band Silver Coating](#) [39]

**Systems Technology, Inc.**

13766 South Hawthorne Blvd.

Hawthorne, CA 90250

Suzie Fosmore (310) 310-2281

08-2-A4.02-9033 AFRC

[Fused Reality for Enhanced Flight Test Capabilities](#) [40]

**Ultramet**

12173 Montague Street

Pacoima, CA 91331

Craig Ward (818) 818-0236

08-2-X8.01-8631 ARC

[Lightweight Hybrid Ablator Incorporating Aerogel-Filled Open-Cell Foam Structural Insulator, Phase II](#) [41]

**Ventions, LLC**

818 Duncan Street

San Francisco, CA 94131

Amit Mehra (202) 213-2846

08-2-S5.04-9735 JPL

[Small, Light-Weight Pump Technology for On-Board Pressurization of Propellants in a Mars Ascent Vehicle](#) [42]

**Whittinghill Aerospace, LLC**

265 Durley Avenue, Suite 208

Camarillo, CA 93010

George Whittinghill (805) 805-2297

08-2-S4.01-8692 ARC

[A Modular Minimum Cost Launch System for Nano-Satellites](#) [43]

• **Colorado (8)**

**ADA Technologies, Inc.**

8100 Shaffer Parkway, Suite 130

Littleton , CO 80127

Sheryl Suhr (303) 874-8262

08-2-X2.05-9375 GRC

[Advanced Portable Fine Water Mist Fire Extinguisher for Spacecraft](#) [44]

**Design\_Net Engineering LLC**

16080 Table Mountain Parkway, Suite 500

Golden, CO 80403

Tom Adams (303) 462-0096

08-2-S4.01-9499 ARC

[Enabling Technology for Small Satellite Launch](#) [45]

**KromaTiD, Inc.**

515 E. Laurel Street

Fort Collins, CO 80524

F. Andrew Ray (970) 491-5976

08-2-X13.02-9726 JSC

[Chromatid Painting for Chromosomal Inversion Detection](#) [46]

**Pioneer Astronautics**

11111 W. 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 303-0890

08-2-X3.03-9828 GRC

[Lunar Soil Particle Separator](#) [47]

**Quest Product Development Corporation**

4900 Iris Street

Wheat Ridge, CO 80033

Alan Kopelove (303) 670-5088

08-2-X7.01-9013 GSFC

[Load Responsive MLI: Thermal Insulation with High In-Atmosphere and On-Orbit Performance](#) [48]

**SPEC, Inc.**

3022 Sterling Circle, Suite 200

Boulder, CO 80301

June Turnbull (303) 303-1105

08-2-S1.08-9098 GSFC

[Advanced Technology Cloud Particle Probe for UAS](#) [49]

**TDA Research, Inc.**

12345 W. 52nd Avenue

Wheat Ridge, CO 80033

John Wright (303) 303-2300

08-2-O3.03-9387 KSC

[Low Toxicity Corrosion Inhibitors for Smart Coatings](#) [50]

**Tech-X Corporation**

5621 Arapahoe Avenue, Suite A

Boulder, CO 80303

Leslie Rosczyk (720) 720-1855

08-2-S6.03-9671 LaRC

[Data Filtering and Assimilation of Satellite Derived Aerosol Optical Depth](#) [51]

- **Connecticut (3)**

- **Advanced Fuel Research, Inc.**

- 87 Church Street

- East Hartford, CT 06108

- Michael Serio (860) 860-9806

- 08-2-X2.03-9021 ARC

- [A Compact, Efficient Pyrolysis/Oxidation System for Solid Waste Resource Recovery in Space111](#) [52]

- **Infinity Fuel Cell and Hydrogen, Inc.**

- 431A Hayden Station Road

- Windsor, CT 06095

- William Smith (860) 688-6500

- 08-2-X6.01-9321 GRC

- [Advanced Cathode Electrolyzer \(ACE\)](#) [53]

- **Qualtech Systems, Inc.**

- 100 Great Meadow Road, Suite 603

- Wethersfield, CT 06109

- Sudipto Ghoshal (860) 761-9341

- 08-2-X1.04-8866 ARC

- [Efficient Integration, Validation and Troubleshooting in Multimodal Distributed Diagnostic Schemes](#) [54]

- **Florida (3)**

- **Aeronix, Inc.**

- 1775 W. Hibiscus Blvd., Suite 200

- Melbourne, FL 32901

- Judi Coleman (321) 984-1671

- 08-2-X5.01-8585 KSC

- [Radiation Tolerant 802.16 Wireless Network](#) [55]

**Eclipse Energy Systems, Inc.**

2345 Anvil Street North

St. Petersburg, FL 33710

Jay Wolfington (727) 344-7300

08-2-S4.01-9107 ARC

[Thermal Control Nano-Sat](#) [56]

**Sol-gel Solutions, LLC**

4110 SW 34th Street, Suite 22

Gainesville, FL 32608

JR Rogers (352) 352-4950

08-2-X2.02-8702 MSFC

[Photocatalytic and Adsorptive System for Odor Control in Lunar Surface Systems Using Silica-Titania Composites](#) [57]

• **Illinois (3)**

**Aries Design Automation, LLC**

6157 N Sheridan Road, Suite 16M

Chicago, IL 60660

Miroslav Velez (773) 773-6633

08-2-X1.02-8609 ARC

[An Efficient Parallel SAT Solver Exploiting Multi-Core Environments](#) [58]

**Superior Graphite Co.**

10 South Riverside Plaza, Suite 1470

Chicago, IL 60606

Francois Henry (773) 209-4793

08-2-X6.02-8492 GRC

[SiLix-C Nanocomposites for High Energy Density Li-ion Battery Anodes](#) [59]

**Vega Wave Systems, Inc.**

1275 W Roosevelt Road, Suite 104

West Chicago, IL 60185

Alan Sugg (630) 630-9433

08-2-O1.06-9602 JPL

[High-Efficiency, High-Power Laser Transmitter for Deep-Space Communication](#) [60]

- **Indiana (1)**

- **Techshot, Inc.**

- 7200 Highway 150

- Greenville, IN 47124

- Mark Deauser (812) 812-9591

- 08-2-X14.02-9395 JSC

- [Microfluidic Multichannel Flow Cytometer](#) [61]

- **Maryland (8)**

- **CoolCAD Electronics**

- 7101 Poplar Avenue

- Takoma Park, MD 20912

- Neil Goldsman (240) 240-6535

- 08-2-X1.03-8518 GSFC

- [Electronics Modeling and Design for Cryogenic and Radiation Hard Applications](#) [62]

- **Emergent Space Technologies, Inc.**

- 6301 Ivy Lane, Suite 720

- Greenbelt, MD 20770

- Everett Cary (301) 301-1535

- 08-2-O2.01-9162 KSC

- [Marine ASV Range Surveillance System](#) [63]

- **Intelligent Automation, Inc.**

- 15400 Calhoun Drive, Suite 400

- Rockville, MD 20855

Mark James (301) 294-5221

08-2-A1.05-9507 LaRC

[Cognitive Modeling for Closed-Loop Task Mitigation](#) [64]

**Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

08-2-O1.03-9360 GRC

[Reconfigurable, Cognitive Software Defined Radio](#) [65]

**Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

08-2-A3.01-8875 ARC

[ACES-Based Testbed and Bayesian Game-Theoretic Framework for Dynamic Airspace Configuration](#) [66]

**Mobitrum Corporation**

8070 Georgia Avenue, Suite 207

Silver Spring, MD 20910

Ray Wang (301) 585-4040

08-2-O2.02-9981 SSC

[Passively Powered and Programmable Sensor-RFID for ISHM Systems](#) [67]

**Techno-Sciences, Inc.**

11750 Beltsville Drive, Suite 300

Beltsville, MD 20705

Sandra Selha (240) 790-0620

08-2-A1.07-9537 LaRC

[Upset Prevention and Recovery for Unimpaired and Impaired Aircraft](#) [68]

**Xigen, LLC**

11001 Sugarbush Terrace

Rockville, MD 20852

Jason Geng (301) 637-6828

08-2-O2.01-9918 KSC

[Novel Smart Pan/Tilt/Zoom Sensor for Launch Range Video Surveillance](#) [69]

- **Massachusetts (19)**

- **Aerodyne Research, Inc.**

- 45 Manning Road

- Billerica, MA 01821

- George Wittreich (978) 932-0215

- 08-2-A2.02-9318 GRC

- [An Ultra-Sensitive, Size Resolved Particle Mass Measurement Device](#) [70]

- **aPeak, Inc.**

- 63 Albert Road

- Newton, MA 02466

- Stefan Vasile (617) 964-1788

- 08-2-O1.06-9563 JPL

- [High-Bandwidth Photon-Counting Detectors with Enhanced Near-Infrared Response](#) [71]

- **Aptima, Inc.**

- 12 Gill Street, Suite 1400

- Woburn, MA 01801

- Richard Salvage (781) 781-2487

- 08-2-A3.01-9466 ARC

- [Use-Driven Testbed for Evaluating Systems and Technologies \(U-TEST\)](#) [72]

- **Aspen Aerogels, Inc.**

- 30 Forbes Road, Bldg. B

- Northborough, MA 01532

- Kevin Schmidt (508) 691-1161

- 08-2-X7.01-9093 KSC



[Lightweight Non-Compacting Aerogel Insulation for Cryotanks](#) [73]

**Busek Co., Inc.**

11 Tech Circle

Natick, MA 01760

Judy Budny (508) 508-5565

08-2-S2.01-8869 JPL

[Precise Thrust Actuation by a Micro RF Ion Engine](#) [74]

**Busek Co., Inc.**

11 Tech Circle

Natick, MA 01760

Judy Budny (508) 508-5565

08-2-S4.01-8862 ARC

[ESPA Based Secondary Payload Orbit Maneuvering System](#) [75]

**EIC Laboratories, Inc.**

111 Downey Street

Norwood, MA 02062

David Rauh (781) 781-9450

08-2-X12.02-9041 JSC

[Flexible High-Barrier Polymers for Food Packaging](#) [76]

**Electrolytic Research Corporation, LLC**

73 Winsor Road

Sudbury, MA 01776

Bruce Osterling (978) 443-9861

08-2-X3.02-9651 KSC

[Advanced Self-Heated Cell Reactor using Large Scale Inert Anode for Molten Oxide Electrolysis](#) [77]

**EM4, Inc.**

7 Oak Park Drive

Bedford, MA 01730

Alex Rosiewicz (781) 275-7501

08-2-S1.01-9464 LaRC

[Efficient and Compact Semiconductor Laser Transmitter Modules](#) [78]

**Giner Electrochemical Systems, LLC**

89 Rumford Avenue

Newton, MA 02466

Anthony Vaccaro (781) 529-0504

08-2-X6.01-9699 JPL

[Static Water Vapor Feed Electrolyzer](#) [79]

**Giner Electrochemical Systems, LLC**

89 Rumford Avenue

Newton, MA 02466

Anthony Vaccaro (781) 529-0504

08-2-X2.02-9538 GRC

[Straight Pore Microfilter with Efficient Regeneration](#) [80]

**JENTEK Sensors, Inc.**

110-1 Clematis Avenue

Waltham, MA 02453

Joni Hatem (781) 781-9666

08-2-A1.02-8907 LaRC

[Micromechanical Models for Composite NDE and Diagnostics](#) [81]

**Physical Sciences, Inc.**

20 New England Business Center

Andover, MA 01810

B. David Green (978) 689-0003

08-2-X4.01-9712 GRC

[High Performing, Low Temperature Operating, Long Lifetime, Aerospace Lubricants](#) [82]

**Physical Sciences, Inc.**

20 New England Business Center

Andover, MA 01810

B. David Green (978) 689-0003

08-2-X6.02-9113 GRC

[Silicon Whisker and Carbon Nanofiber Composite Anode](#) [83]

**Reactive Innovations, LLC**

2 Park Drive, Unit 4

Westford, MA 01886

Michael Kimble (978) 692-4664

08-2-X3.02-9269 GRC

[Reactive-Separator Process Unit for Lunar Regolith](#) [84]

**Remote Sensing Solutions, Inc.**

3179 Main Street, Unit 3, P.O. Box 1092

Barnstable, MA 02630

James Canniff (508) 362-9400

08-2-S1.02-8521 GSFC

[A High Cross-Pol Isolation Multi-Frequency Antenna for Cloud and Precipitation Research](#) [85]

**Remote Sensing Solutions, Inc.**

3179 Main Street, Unit 3, P.O. Box 1092

Barnstable, MA 02630

James Canniff (508) 362-9400

08-2-S1.02-8466 JPL

[A Novel Low-cost, Ka-band, High Altitude, Multi-Baseline Unmanned Aerial Vehicle Sensor for Surface Water Ocean Topography](#) [86]

**Scientific Systems Company, Inc.**

500 West Cummings Park, Suite 3000

Woburn, MA 01801

Raman Mehra (781) 781-5355

08-2-S2.01-8499 JPL

[Topology Control Algorithms for Spacecraft Formation Flying Networks Under Connectivity and Time-Delay Constraints](#) [87]

**The DNA Medicine Institute**

727 Massachusetts Avenue

Cambridge, MA 02139

Eugene Chan (617) 233-7656

08-2-X10.01-9385 JSC

[Nanoscale Test Strips for Multiplexed Blood Analysis](#) [88]

- **Michigan (4)**

- **Cybernet Systems Corporation**

- 727 Airport Boulevard

- Ann Arbor, MI 48108

- Norma Heller (734) 668-2567

- 08-2-S4.02-8474 ARC

- [Small Sat Analysis Laboratory](#) [89]

- **Cybernet Systems Corporation**

- 727 Airport Boulevard

- Ann Arbor, MI 48108

- Norma Heller (734) 668-2567

- 08-2-X11.01-8978 JSC

- [Automated Behavior and Cohesion Assessment Tools](#) [90]

- **Cybernet Systems Corporation**

- 727 Airport Boulevard

- Ann Arbor, MI 48108

- Norma Heller (734) 734-2567

- 08-2-S1.09-8507 JSC

- [Grasp Algorithms For Optotactile Robotic Sample Acquisition](#) [91]

- **Michigan Engineering Services, LLC**

- 2890 Carpenter Road, Suite 1900

- Ann Arbor, MI 48108

- Nick Vlahopoulos (734) 734-0792

08-2-A2.09-9167 LaRC

[Hybrid Finite Element Analysis for Rotorcraft Interior Noise Simulations](#) [92]

- **Minnesota (1)**

**SIFT, LLC**

211 N. First Street, Suite 300

Minneapolis, MN 55401

David Musliner (612) 325-9314

08-2-X1.01-8449 ARC

[SAFE-P: System for Assurance of Flight Executable Procedures](#) [93]

- **Montana (2)**

**ADVR, Inc.**

2310 University Way, Building 1

Bozeman, MT 59715

Betsy Heckel (406) 522-0388

08-2-S1.01-9372 LaRC

[Compact, Wavelength Stabilized Seed Source for Multi-Wavelength Lidar Applications](#) [94]

**S&K Aerospace**

63066 Old Highway 93

St Ignatius, MT 59865

Arthur Molin (281) 636-5592

08-2-O3.01-9462 JSC

[Medical Operations Decision Support System](#) [95]

- **New Hampshire (4)**

**Creare, Inc.**

P.O. Box 71

Hanover, NH 03755

Robert Kline-Schoder (603) 640-2487

08-2-X7.02-9609 GSFC

[An Advanced Cooling System for In-Situ Resource Utilization](#) [96]

**Creare, Inc.**

P.O. Box 71

Hanover, NH 03755

Robert Kline-Schoder (603) 640-2487

08-2-X5.03-9734 JSC

[Compact, Efficient, and Reliable Ventilation Fan for EVA Suits](#) [97]

**QmagiQ**

22 Cotton Road, Unit H, Suite 180

Nashua, NH 03063

Mani Sundaram (603) 821-3092

08-2-S1.05-9008 GSFC

[Longwave Imaging for Astronomical Applications](#) [98]

**QmagiQ**

22 Cotton Road, Unit H, Suite 180

Nashua, NH 03063

Mani Sundaram (603) 821-3092

08-2-S1.04-8762 JPL

[Hyperspectral Longwave Infrared Focal Plane Array and Camera Based on Quantum Well Infrared Photodetectors](#) [99]

• **New Jersey (3)**

**Discovery Semiconductors, Inc.**

119 Silvia Street

Ewing, NJ 08628

Abhay Joshi (609) 609-1311

08-2-S1.05-9434 GSFC

[Ultra-Low Noise Quad Photoreceiver for Space Based Laser Interferometric Gravity Wave Detection](#) [100]

**Princeton Optronics, Inc.**

1 Electronics Drive

Mercerville, NJ 08619

Narayan Bhatta (609) 584-9696

08-2-S1.01-9781 LaRC

[A High Reliability Frequency Stabilized Semiconductor Laser Source](#) [101]

**WEVOICE, Inc.**

9 Sylvan Drive

Bridgewater, NJ 08807

Sherry Ye (908) 575-8955

08-2-O3.02-9018 GRC

[Superior Speech Acquisition and Robust Automatic Speech Recognition for Integrated Spacesuit Audio Systems](#) [102]

• **New Mexico (3)**

**Adherent Technologies, Inc.**

9621 Camino del Sol NE

Albuquerque, NM 87111

Susan Switzer (505) 505-1685

08-2-X5.02-9458 KSC

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**Southwest Sciences, Inc.**

1570 Pacheco Street, Suite E-11

Santa Fe, NM 87505

Alan Stanton (505) 984-1322

08-2-S1.08-9542 ARC

[Self-Calibrating Greenhouse Gas Balloon-Borne Sensor](#) [104]

**Vista Photonics, Inc.**

67 Condesa Road

Santa Fe, NM 87508

Jeffrey Pilgrim (505) 466-3953

08-2-S1.11-9078 JSC

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• **New York (5)**

**Honeybee Robotics Ltd.**

460 W 34th Street

New York, NY 10001

Chris Chapman (212) 966-0661

08-2-X5.01-8674 JSC

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**Impact Technologies, LLC**

200 Canal View Blvd.

Rochester, NY 14623

Carol Marquardt (585) 585-1923

08-2-A1.10-9580 GRC

[A Unified Nonlinear Adaptive Approach for Detection and Isolation of Engine Sensor, Actuator and Component Faults](#) [107]

**Impact Technologies, LLC**

200 Canal View Blvd.

Rochester, NY 14623

Carol Marquardt (585) 585-1923

08-2-A1.11-8886 ARC

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**Phoebus Optoelectronics, LLC**

12 Desbrosses Street

New York, NY 10013

Thomas James (703) 703-7218



08-2-S1.04-8873 GSFC

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**Reflective X-ray Optics, LLC**

1361 Amsterdam Avenue, Suite 3B

New York, NY 10027

David Windt (212) 212-4932

08-2-S2.05-8983 GSFC

[Low-Stress Iridium Coatings for Thin-Shell X-Ray Telescopes](#) [110]

• **North Carolina (1)**

**Horizon Performance**

121 Edinburgh S. Drive, Suite 214

Cary, NC 27511

John Thompson (919) 674-6644

08-2-X11.01-9344 JSC

[Behavior Tracking Software Enhancement and Integration of a Feedback Module](#) [111]

• **Ohio (3)**

**Innovative Scientific Solutions, Inc.**

2766 Indian Ripple Road

Dayton, OH 45440

Larry Goss (937) 429-4980

08-2-A2.09-9022 LaRC

[Fast Responding PSP for Rotorcraft Aerodynamic Investigations](#) [112]

**RNET Technologies, Inc.**

240 W Elmwood Drive, Suite 2010

Dayton, OH 45459

V. Nagarajan (937) 433-2886

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[Radiation Mitigation Methods for Reprogrammable FPGA](#) [113]

**SynGenics Corporation**

5190 Olentangy River Road

Delaware, OH 43015

Carol Ventresca (740) 369-9579

08-2-A2.10-8761 GRC

[Efficient Design and Optimization of a Flow Control System for Supersonic Mixed Compression Inlets](#) [114]

• **Oregon (1)**

**UMPQUA Research Company**

PO Box 609

Myrtle Creek, OR 97457

John Aker (541) 541-2655

08-2-X2.03-8729 ARC

[Brine Dewatering Using Ultrasonic Nebulization](#) [115]

• **Pennsylvania (6)**

**k Technology Corporation**

2000 Cabot Blvd. West, Suite 150

Langhorne, PA 19047

Adam Rosen (215) 375-3035

08-2-S3.02-9111 GSFC

[Integrated Composite - Heatpipe Radiator Panel](#) [116]

**Materials Research and Design**

300 E. Swedesford Road

Wayne, PA 19087

Kerry Hopp (610) 964-9000

08-2-A2.01-8997 LaRC

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**Pulsar Informatics, Inc.**

3624 Market Street, Suite 5E

Philadelphia, PA 19104

Daniel Mollicone (215) 520-2630

08-2-X11.01-8824 JSC

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**Thermacore, Inc.**

780 Eden Road

Lancaster, PA 17601

Nelson Gernert (717) 519-5817

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**TRS Ceramics, Inc.**

2820 East College Avenue

State College, PA 16801

Wesley Hackenberger (814) 238-7485

08-2-A2.01-9769 AFRC

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**TRS Ceramics, Inc.**

2820 East College Avenue

State College, PA 16801

Wesley Hackenberger (814) 238-7485

08-2-X7.02-8558 JSC

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• **Tennessee (2)**

**Gloyer-Taylor Laboratories, LLC**

2212 Harton Blvd.

Tullahoma, TN 37388

Paul Gloyer (931) 931-5108

08-2-A2.02-9878 GRC

[Scramjet Combustion Stability Behavior Modeling](#) [122]

**Tai-Yang Research Company**

9112 Farrell Park Lane

Knoxville, TN 37922

William Marshall (865) 865-7261

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• **Texas (9)**

**AM Biotechnologies, LLC**

12521 Gulf Freeway

Houston, TX 77034

Mark Shumbera (832) 295-1483

08-2-X10.01-9543 JSC

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**Dallas Optical Systems, Inc.**

1790 Connie Lane

Rockwall, TX 75032

John Casstevens (972) 564-1156

08-2-S2.04-9926 MSFC

[Low Cost Very Large Diamond Turned Metal Mirror](#) [125]

**Integrated Micro Sensors Inc.**

10814 Atwell Drive

Houston, TX 77096

David Starikov (713) 748-7926

08-2-S3.03-9731 GRC

[InGaN High Temperature Photovoltaic Cells](#) [126]

**Lynntech, Inc.**

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7610 Eastmark Drive

College Station, TX 77840

Cynthia Barnett (979) 693-0017

08-2-X10.01-9124 JSC

[Portable Cathode-Air-Vapor-Feed Electrochemical Medical Oxygen Concentrator](#) [127]

**Lynntech, Inc.**

7610 Eastmark Drive

College Station, TX 77840

Cynthia Barnett (979) 693-0017

08-2-X2.04-9115 JPL

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**Polatomic, Inc.**

1810 N. Glenville Drive, #116

Richardson, TX 75081

Jean Isham (972) 972-0099

08-2-S1.06-8783 GSFC

[Laser Femto-Tesla Magnetic Gradiometer \(LFMG\)](#) [129]

**Traclabs, Inc.**

100 N.E. Loop 410 Suite 520

San Antonio, TX 78217

David Kortenkamp (281) 281-7884

08-2-X1.01-9682 ARC

[Embedding Procedure Assistance into Mission Control Tools](#) [130]

**Traclabs, Inc.**

100 N.E. Loop 410 Suite 520

San Antonio, TX 78217

David Kortenkamp (281) 461-7884

08-2-X12.01-9244 JSC

[Semantic Language and Tools for Reporting Human Factors Incidents](#) [131]

**Traclabs, Inc.**

100 N.E. Loop 410 Suite 520

San Antonio, TX 78217

David Kortenkamp (281) 461-7884

08-2-O1.09-9103 JPL

[Intelligent Agents for Scheduling Space Communications](#) [132]

• **Virginia (17)**

**AEROPROBE**

1700 Kraft Drive, Suite 2350

Blacksburg, VA 24060

Demetri Telionis (540) 951-3858

08-2-S1.08-9310 GSFC

[A Fast-Response Atmospheric Turbulence \(FRAT\) Probe with Gas-Sampling Ducts](#) [133]

**Aerotech Research**

11836 Fishing Point Drive, Suite 200

Newport News, VA 23606

Paul Robinson (757) 723-1300

08-2-A3.02-9120 LaRC

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**Aerotech Research**

11836 Fishing Point Drive, Suite 200

Newport News, VA 23606

Paul Robinson (757) 723-1300

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**Aurora Flight Sciences Corporation**

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 500-0536

08-2-A1.09-9907 ARC

[A Robust Flare Planning Logic for Unmanned Aerial Vehicle Applications](#) [136]

**Aurora Flight Sciences Corporation**

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 500-0536

08-2-X14.02-9864 JSC

[On Orbit Immuno-Based, Label-Free, White Blood Cell Counting System with MicroElectroMechanical Sensor \(MEMS\) Technology \(OILWBCS-MEMS\)](#) [137]

**Bear Engineering**

2415 Two Turtles Road

Maidens , VA 23102

Tom Myrick (804) 240-0814

08-2-S5.02-9477 JPL

[Improved Rock Core Sample Break-off, Retention and Ejection System](#) [138]

**Fibertek, Inc.**

510 Herndon Parkway

Herndon, VA 20170

Tracy Perinis (703) 703-7671

08-2-S1.01-8652 GSFC

[Space-Qualifiable High Reliability Frequency-Stabilized CW Laser Source](#) [139]

**Fibertek, Inc.**

510 Herndon Parkway

Herndon, VA 20170

Tracy Perinis (703) 471-7671

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[Fiber Laser Coherent Lidar for Wake-Vortex Hazard Detection](#) [140]

**GATS, Inc.**

11864 Canon Blvd., Suite 101

Newport News, VA 23606

Della Boscana (757) 952-1040

08-2-S1.04-8855 LaRC

[Digital Array Gas Radiometer \(DAGR\)](#) [141]

**Luna Innovations Incorporated**

1 Riverside Circle, Suite 400

Roanoke, VA 24016

Shirley Evans (540) 769-8400

08-2-A4.01-9399 LaRC

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**Materials Modification, Inc.**

2721-D Merrilee Drive

Fairfax, VA 22031

Tirumalai Sudarshan (703) 703-1371

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[Multifunctional B/C Fiber Composites for Radiation Shielding](#) [143]

**NanoSonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

08-2-A1.01-9133 LaRC

[Hydrophobic Polymers with Adherend Complexing Sidechains as Durable Aerospace Adhesives](#) [144]

**NanoSonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

08-2-A2.09-8605 LaRC

[Metal Rubber Sensor Appliqu](#) [145]

**Nuvotronics, LLC**



7586 Old Peppers Ferry Loop

Radford, VA 24141

David Sherrer (540) 552-4610

08-2-S1.02-8501 JPL

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**Nuvotronics, LLC**

7586 Old Peppers Ferry Loop

Radford, VA 24141

David Sherrer (540) 552-4610

08-2-O1.07-8443 JPL

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**Parabon Computation, Inc.**

11260 Roger Bacon Drive, Suite 406

Reston, VA 20190

Paula Gawthorp-Armentrout (703) 703-9689

08-2-S6.05-9646 GSFC

[Software Infrastructure to Enable Modeling & Simulation as a Service \(M&SaaS\)](#) [148]

**Progeny Systems Corporation**

9500 Innovation Drive

Manassas, VA 20110

Christine Sigety (703) 703-6107

08-2-O4.03-9024 GRC

[Precision Time Protocol Based Trilateration for Planetary Navigation](#) [149]

• **Washington (2)**

**nLight Photonics**

5408 NE 88th Street, Building E

Vancouver, WA 98665

Paul Leisher (360) 713-5230

08-2-S1.01-9608 LaRC

[Single-Frequency Semiconductor Lasers Operating at 1.5 and 2.0 microns](#) [150]

**Teranovi Technologies**

10033 NE 140th Street

Bothell, WA 98011

Xudong Wang (425) 820-9853

08-2-O1.08-9622 GRC

[Scalable Lunar Surface Networks and Adaptive Orbit Access](#) [151]

• **West Virginia (1)**

**Touchstone Research Laboratory, Ltd.**

The Millennium Centre, 1142 Middle Creek Road

Triadelphia, WV 26059

Janet Joseph (304) 547-5800

08-2-X4.06-9473 ARC

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