



Proposals Selected for Negotiation of Contracts

- **ADA Technologies, Inc.**

8100 Shaffer Parkway, Suite 130

Littleton , CO 80127

Clifton Brown (303) 792-5615

05-2-X12.03-8217 GRC

[Fine Water Mist Fire Extinguisher for Spacecraft](#) [1]

- **Adherent Technologies, Inc.**

9621 Camino del Sol NE

Albuquerque, NM 87111

Susan Switzer (505) 346-1685

05-2-X12.03-8408 MSFC

[Light-Curing Structural Tape for In-Space Repair](#) [2]

- **Advanced Optical Systems, Inc.**

6767 Old Madison Pike, Suite 410

Huntsville, AL 35806

Halley Little (256) 971-0036

05-2-S8.01-7776 GSFC

[Hybrid Guidance System for Relative Navigation](#) [3]

- **Advanced Science and Novel Technology**

27 Via Porto Grande

Rancho Palos Verdes , CA 90275

Vladimir Katzman (310) 377-6029

05-2-X1.01-9968 GSFC

[Radiation-Tolerant, Space Wire-Compatible Switching Fabric](#) [4]

- **ADVR, Inc.**

2310 University Way, Building 1

Bozeman, MT 59715

Philip Battle (406) 522-0388

05-2-S4.06-8895 GSFC

[High Power Electro-Optic Modulator for Space-Based Applications](#) [5]

- **Aegis Technology, Inc.**

, CA 00000

Bob Liu (714) 265-1238

05-2-S8.06-7695 GRC

[A High-Efficiency Compact SiC-based Power Converter System](#) [6]

- **AeroAstro Corporation**

, VA 00000

Kim Irving (703) 554-6335

05-2-O1.07-9189 JSC

[Reconfigurable, Digital EVA Radio](#) [7]

- **AeroAstro Corporation**

, VA 00000

Kim Irving (703) 554-6335

05-2-X1.01-9182 JSC

[Modular, Fault-Tolerant Electronics Supporting Space Exploration](#) [8]

- **Aerotech Research**

11836 Fishing Point Drive, Suite 200

Newport News, VA 23606

Steven Velotas (757) 723-1300

05-2-A1.04-9693 ARC

[A Real-Time Quantitative Condition Alerting and Analysis Support System for Aircraft Maintenance](#) [9]

- **Andrews Space & Technology**

505 5th Ave South, Suite 300

Seattle, WA 98104

Marian Joh (206) 438-0600

05-2-X7.04-8963 AFRC

[Flexible Transpiration Cooled Thermal Protection System for Inflatable Atmospheric Capture and Entry Systems](#) [10]

- **aPeak, Inc.**

63 Albert Road

Newton, MA 02466

Stefan Vasile (617) 964-1788

05-2-S4.05-9707 GSFC

[Fast Readout for Large Area Photon-Counting Infrared Detectors](#) [11]

- **Applied Biomathematics**

, NY 00000

Lev Ginzburg (631) 751-4350

05-2-S2.07-8521 LaRC

[Accounting for Epistemic and Aleatory Uncertainty in Early System Design](#) [12]

- **Applied Material Systems Engineering, Inc.(AMSENG)**

2309 Pennsbury Court

Schaumburg, IL 60194

Mukund Deshpande (630) 372-9650

05-2-X10.04-9670 GRC

[Robust Engineered Thermal Control Material Systems for Crew Exploration Vehicle \(CEV\) and Prometheus Needs](#) [13]

- **Applied Technology Associates**

, NM 00000

Jeffrey Stein (505) 767-1231

05-2-S1.03-8998 JPL

[High-Bandwidth Hybrid Sensor \(HYSENS\)](#) [14]

- **Arkansas Power Electronics International, Inc.**

, AR 00000

Sharmila Mounce (479) 443-5759

05-2-X1.02-8196 JPL

[DC-Motor Drive Encompassing SiGe Asynchronous Control Electronics for Ultra-Wide \(-230](#) [15]

- **Aspen Aerogels, Inc.**

30 Forbes Road, Bldg. B

Northborough, MA 01532

Heather Crouse (508) 481-5058

05-2-S2.02-8148 JPL

[Aerogel Insulation for the Thermal Protection of Venus Spacecraft](#) [16]

- **Aspen Aerogels, Inc.**

30 Forbes Road, Bldg. B

Northborough, MA 01532

Heather Crouse (508) 691-1161

05-2-X3.03-7985 MSFC

[Sprayable Thermal Insulation for Cryogenic Tanks](#) [17]

- **Aurora Flight Sciences Corporation**

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 868-8086

05-2-X11.01-9057 ARC

[Cell/Tissue Culture Radiation Exposure Facility](#) [18]

- **Aurora Flight Sciences Corporation**

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 868-8086

05-2-X8.02-8477 MSFC

[Self-Assembling Wireless Autonomous Reconfigurable Modules \(SWARM\)](#) [19]

- **Big Horn Valve, Inc.**

, WY 00000

Zachary Gray (307) 672-5443

05-2-X3.03-9923 JSC

[VOST Flow-Control Valve](#) [20]

- **Binachip, Inc.**

, IL 00000

Prith Banerjee (847) 757-8708

05-2-O1.06-9806 GRC

[A Hardware/Software Design Environment for Reconfigurable Communication Systems](#) [21]

- **Boston Micromachines Corporation**

, MA 00000

Paul Bierden (617) 926-8796

05-2-S3.02-7676 JPL

[Ultraflat Tip-Tilt-Piston MEMS Deformable Mirror](#) [22]

- **Ceramic Composites, Inc.**

133 Defense Highway, Suite 212

Annapolis, MD 21401

Sharon Fehrenbacher (410) 224-3710

05-2-S2.02-9617 JPL

[Venus Lander Experiment Vessel](#) [23]

- **CFD Research Corporation**

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Ashok Singhal (256) 726-4841

05-2-X3.01-9345 GRC

[Novel Solar Cell Nanotechnology for Improved Efficiency and Radiation Hardness](#) [24]

- **Collier Research & Development Corporation**

, VA 00000

Craig Collier (757) 825-0000

05-2-X4.02-8340 LaRC

[Automated Design and Analysis Tool for CLV/CEV Composite and Metallic Structural Components](#) [25]

- **Colorado Power Electronics, Inc.**

, CO 00000

Geoff Drummond (970) 482-0194

05-2-X10.01-8573 JPL

[High Efficiency Three Phase Resonant Conversion for Standardized Architecture Power System Applications](#) [26]

- **Colorado Power Electronics, Inc.**

, CO 00000

Geoff Drummond (970) 482-0191

05-2-S8.04-9683 GRC

[Wide Output Range Power Processing Unit for Electric Propulsion](#) [27]

- **Combustion Research and Flow Technology**

6210 Keller's Church Road

Pipersville, PA 18947

Paula Schachter (215) 766-1520

05-2-X7.01-9200 MSFC

[Efficient and Accurate Computational Framework for Injector Design and Analysis](#) [28]

- **Combustion Research and Flow Technology**

6210 Keller's Church Road

Pipersville, PA 18947

Paula Schachter (215) 766-1520

05-2-X7.04-9051 LaRC

[Hybrid Computational Model for High-Altitude Aeroassist Vehicles](#) [29]

- **Comet Technology Corporation**

3830 Packard, Suite 110

Ann Arbor, MI 48108

Satha Raveendra (734) 973-1600

05-2-A2.01-8590 GRC

[Identification and Reduction of Turbomachinery Noise](#) [30]

- **Creare, Inc.**

P.O. Box 71

Hanover, NH 03755

Paul Rothe (603) 643-2487

05-2-S6.07-9233 MSFC

[High-Conductance Thermal Interfaces Based on Carbon Nanotubes](#) [31]

- **Cybernet Systems Corporation**

727 Airport Boulevard

Ann Arbor, MI 48108

Daniel Jarrell (734) 668-2567

05-2-O1.01-7813 GSFC

[Robust CCSDS Image Data to JPEG2K Transcoding](#) [32]

- **ElectroChem, Inc.**

400 West Cummings Park

Woburn, MA 01801

Radha Jalan (781) 938-5300

05-2-X3.02-8857 JSC

[Integrated PEMFC Flow Field Design Concept for Gravity Independent Passive Water Removal](#) [33]

- **EM Photonics**

51 East Main Street

Newark, DE 19711

Eric Kelmelis (302) 456-9003

05-2-O2.03-9888 KSC

[Processor for Real-Time Atmospheric Compensation in Long-Range Imaging](#) [34]

- **Florida Turbine Technologies, Inc.**

, FL 00000

Lloyd Mazer (561) 746-3317

05-2-X7.02-9038 MSFC

[Physics-Based Pneumatic Hammer Instability Model](#) [35]

- **Folded Structures Company, LLC**

, NJ 00000

Daniel Kling (908) 237-1955

05-2-X2.02-7872 LaRC

[New Analysis and Theory of Deployable Folded Structures](#) [36]

- **GDA Corporation**

, PA 00000

Stephanie Hulina (814) 237-4060

05-2-S7.01-7622 SSC

[Automated Extraction of Crop Area Statistics from Medium-Resolution Imagery](#) [37]

- **Hittite Microwave Corporation**

20 Alpha Road

Chelmsford, MA 01824

Stephen Daly (978) 250-3343

05-2-S6.05-8391 JPL

[Ka-Band MMIC T/R Module](#) [38]

- **HOBILabs, Inc.**

, AZ 00000

Nancy Alimonti (520) 299-2589

05-2-S6.03-8368 GSFC

[Portable, Solid-State Light Sources for Field Radiometric Calibrations](#) [39]

- **HyPerComp Engineering, Inc.**

, UT 00000

Ryan Noorda (435) 734-1166

05-2-X3.03-9289 MSFC

[Defining the coupled effects of cryogenic, space-radiation, and hypervelocity impact damage on COPV's](#) [40]

- **Infocitex Corporation**

303 Bear Hill Road

Waltham, MA 02451

William Thompson (781) 890-1338

05-2-X12.05-9623 JSC

[ElastiGlass Barrier Film and Food Processing Techniques for the 3-to-5 Year Shelf-Stable Food Package](#) [41]

- **Infocitex Corporation**

303 Bear Hill Road

Waltham, MA 02451

William Thompson (781) 890-1338

05-2-O1.04-7826 GRC

[Novel Deployable High Frequency Antennas Using Composite Electro-Textiles](#) [42]

- **Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90717

Latika Datta (310) 530-2011

05-2-X6.03-9788 KSC

[Autonomous, Cryogenic Leak Detector for Improving Launch Site Operations](#) [43]

- **Innovative Dynamics, Inc.**

, NY 00000

Kumar Seetharam (607) 257-0533

05-2-A1.02-9042 GRC

[Radiosonde Cloud Assessment System](#) [44]

- **Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

05-2-A1.01-8659 LaRC

[See-and-Avoid Collision Avoidance Using ADS-B Signal and Radar Sensing](#) [45]

- **Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

05-2-A3.01-8442 ARC

[Debugging and Event Tracing for Multi-Agent Systems](#) [46]

- **Intelligent Automation, Inc.**

15400 Calhoun Drive, Suite 400

Rockville, MD 20855

Mark James (301) 294-5221

05-2-A1.02-8162 GRC

[Wireless In-situ Nondestructive Inspection of Engine Rotor Disks with Ultrasonic Guided Waves](#) [47]

- **Invocon, Inc.**

19221 I-45 South, Suite 530

Conroe, TX 77385

Mary Pate (281) 292-9903

05-2-O2.02-8430 SSC

[Wireless Integrated Microelectronic Vacuum Sensor System](#) [48]

- **inXitu, Inc.**

2551 Casey Avenue, Suite A

Mountain View, CA 94043

Robert Espinosa (650) 567-0081

05-2-X2.03-8174 ARC

[Carbon Nanotube Electron Sources for Air Purification](#) [49]

- **Iris AO, Inc.**

2680 Bancroft Way

Berkeley, CA 94704

Michael Helmbrecht (510) 849-2375

05-2-S4.04-9332 GSFC

[Extreme-Precision MEMS Segmented Deformable Mirror](#) [50]

- **ITN Energy Systems, Inc.**

, CO 00000

Ashotosh Misra (303) 285-5137

05-2-X12.02-8812 JSC

[Multifunctional Fibers for Energy Storage in Advanced EVA Systems](#) [51]

- **Light Processing & Technologies, Inc. d/b/a OptiGrate**

3267 Progress Drive

Orlando, FL 32826

Robert Giffin (407) 381-4115

05-2-S4.04-8021 GSFC

[High Resolving Power Volume Diffractive Gratings for 400-2700 nm Spectral Range](#) [52]

- **LightSmyth Technologies**

1720 Willow Creek Circle #520

Eugene, OR 97402

Thomas Mossberg (541) 431-0027

05-2-S4.04-8389 GSFC

[High-Density Diffraction Imaging and Non-Imaging Grating Elements for EUV and X-ray Spectroscopy Fabricated by DUV Reduction Photolithography](#) [53]

- **Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-7772

05-2-S4.04-8886 JPL

[Nonintrusive Optical Thermometers for Real-Time Control of Fabrication Processes](#) [54]

- **Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-3459

05-2-A2.09-8108 AFRC

[Dynamic Strain and Crack Monitoring Sensor](#) [55]

- **Los Gatos Research**

67 East Evelyn Avenue, Suite 3

Mountain View, CA 94041

Anthony O'Keefe (650) 965-7772

05-2-S2.05-8993 ARC

[Photonic Crystal Fiber-Based High Sensitivity Gas Sensor](#) [56]

- **Luna Innovations Incorporated**

1 Riverside Circle, Suite 400

Roanoke, VA 24016

Michael Pruzan (540) 558-1695

05-2-X10.03-8601 GRC

[Real-Time Micro-Miniature Dosimeter](#) [57]

- **Lynntech, Inc.**

7610 Eastmark Drive

College Station, TX 77840

Cynthia Barnett (979) 693-0017

05-2-X12.07-8928 JSC

[A Novel Technology for Simultaneous TOC Reduction and Biofouling Prevention](#) [58]

- **Mainstream Engineering Corporation**

200 Yellow Pl

Rockledge, FL 32955

Michael Rizzo (321) 631-3550

05-2-S4.03-8320 MSFC

[Vibration-Free Cooling Cycle Pump for Space Vehicles and Habitats](#) [59]

- **MER Corporation**

, AZ 00000

Raouf Loutfy (520) 574-1980

05-2-X2.03-8282 LaRC

[A Nanotube Surface Reinforced Graphite Fiber Exhibiting Significantly Enhanced Properties](#) [60]

- **MesoScribe Technologies, Inc.**

, NY 00000

Jeffrey Brogan (631) 444-6455

05-2-S2.06-7742 JPL

[Enabling Technologies for Fabrication of Large Area Flexible Antennas](#) [61]

- **MetaHeuristics**

, CA 00000

Sanjoy Banerjee (805) 886-1555

05-2-A2.04-8523 LaRC

[Computational Aeroacoustics Using the Generalized Lattice Boltzmann Equation](#) [62]

- **Metis Design Corporation**

10 Canal Park, Suite 601

Cambridge, MA 02141

Seth Kessler (617) 661-5616

05-2-A1.04-9399 AFRC

[Aircraft Sensor-Logger with Power Replenishment Capabilities](#) [63]

- **MetroLaser, Inc.**

8 Chrysler

Irvine, CA 92618

Christina Arnold (949) 553-0688

05-2-S6.01-9518 LaRC

[One-Dimensional Tunable Photonic-Crystal IR Filter](#) [64]

- **Mevicon, Inc.**

1185 Bordeaux, Suite-D

Sunnyvale, CA 94089

Eric Flint (408) 744-1335

05-2-S6.02-8499 GSFC

[Precision Membrane Optical Shell \(PMOS\) Technology for RF/Microwave to Lightweight LIDAR Apertures](#) [65]

- **MicroCell Technologies, LLC**

, MA 00000

Michael Kimble (978) 952-6947

05-2-X12.01-7647 ARC

[Electrochemical Reactor for Producing Oxygen From Carbon Dioxide](#) [66]

- **Microcosm, Inc.**

4940 W. 147th Street

Hawthorne, CA 90250

Lynn Shimohara (310) 726-4100

05-2-O1.02-9013 GSFC

[X-Ray Pulsar Based Navigation and Time Determination](#) [67]

- **MicroSat Systems, Inc.**

, CO 00000

Mark Wood (303) 285-1722

05-2-X8.02-9494 GSFC

[Modular, Plug and Play, Distributed Avionics](#) [68]

- **Mobitrum Corporation**

8070 Georgia Avenue, Suite 207

Silver Spring, MD 20910

Ray Wang (301) 585-4040

05-2-O2.02-9889 SSC

[Virtual Sensor Test Instrumentation](#) [69]

- **Mosaic ATM, Inc.**

801 Sycolin Road, Suite 212

Leesburg, VA 20175

Chris Stevenson (540) 338-5192

05-2-A3.01-8926 ARC

[Airport Ground Resource Planning Tool](#) [70]

- **NanoSonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

05-2-A2.06-8830 LaRC

[Lightweight Metal Rubber™ Sensors and Interconnects](#) [71]

- **NanoSonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

05-2-X2.03-8731 JSC

[Multifunctional, Nanostructured Metal Rubber Protective Films for Space Exploration](#) [72]

- **Nastec, Inc.**

1801 East Ninth Street, Suite 1111

Cleveland, OH 44114

Richard Klein (216) 765-7514

05-2-X9.02-7764 GRC

[Long-Life, Oil-Free, Light-Weight, Multi-Roller Traction Drives for Planetary Vehicle Surface Exploration](#) [73]

- **NEI Corporation**

201 Circle Drive N., Suite 102/103

Piscataway, NJ 08854

Ganesh Skandan (732) 868-3141

05-2-X2.01-8458 LaRC

[Advanced Silicone-based Coatings for Flexible Fabric Applications](#) [74]

- **New Era Technology**

, FL 00000

Sousan Anghaie (352) 380-9880

05-2-X10.02-8043 GRC

[Development and Evaluation of Mixed Uranium-Refractory Carbide/Refractory Carbide Cer-Cer Fuels](#) [75]

- **nLight Photonics**

5408 NE 88th Street, Building E

Vancouver, WA 98665

David Gustafson (360) 566-4471

05-2-S6.02-8985 LaRC

[High-Power, High-Efficiency 1.907nm Diode Lasers](#) [76]

- **nLight Photonics**

5408 NE 88th Street, Building E

Vancouver, WA 98665

David Gustafson (360) 566-4471

05-2-S6.02-8619 GSFC

[Ultra High Brightness/Low Cost Fiber Coupled Packaging](#) [77]

- **Optra, Inc.**

, MA 00000

Dianne Young (978) 887-6600

05-2-O2.01-7854 KSC

[Advanced 3D Object Identification System](#) [78]

- **Orion Propulsion, Inc.**

105 A-4 Commerce Circle

Madison, AL 35758

Angie Fulmer (256) 461-8032

05-2-X7.01-9069 MSFC

[Oxygen-Methane Thruster](#) [79]

- **Paragon Space Development Corporation**

3481 E. Michigan Street

Tucson, AZ 85714

Taber MacCallum (520) 903-1000

05-2-X12.01-9869 JSC

[Solid Oxide Electrolysis for Oxygen Production in an ARS](#) [80]

- **Physical Optics Corporation**

20600 Gramercy Place, Bldg. 100

Torrance, CA 90501

Gordon Drew (310) 320-3088

05-2-S2.01-9647 ARC

[Hybrid LIBS and Raman Spectroscopy Standoff Detection System](#) [81]

- **Physical Optics Corporation**

20600 Gramercy Place, Bldg. 100

Torrance, CA 90501

Gordon Drew (310) 320-3088

05-2-X12.06-9638 JSC

[Adaptive Intelligent Ventilation Noise Control](#) [82]

- **Physical Sciences, Inc.**

20 New England Business Center

Andover, MA 01810

Byron Green (978) 689-0003

05-2-X12.05-9569 KSC

[Transmission and Distribution of Photosynthetically Active Radiation \(PAR\) for Biomass Production in Exploration Missions \[7226-270\]](#) [83]

- **Pioneer Astronautics**

11111 W. 8th Avenue, Unit A

Lakewood, CO 80215

Robert Zubrin (303) 980-0890

05-2-X9.01-9561 JSC

[Lunar Materials Handling System](#) [84]

- **Plasma Processes, Inc.**

4914 Moores Mill Road

Huntsville, AL 35811

Angela Hattaway (256) 851-7653

05-2-X9.01-8468 MSFC

[Plasma Reduction of Lunar Regolith for In-Space Fabrication](#) [85]

- **Princeton Lightwave, Inc.**

, NJ 00000

Mark Itzler (609) 495-2551

05-2-S1.03-9511 GSFC

[High Performance Avalanche Photodiodes for Photon Counting at 1064 nm](#) [86]

- **Radiation Monitoring Devices, Inc.**

44 Hunt St

Watertown, MA 02472

Nancy Marshall (617) 668-6801

05-2-X11.02-9113 JSC

[Microfluidic Cytometer for Complete Blood Count Analysis](#) [87]

- **Radiation Monitoring Devices, Inc.**

44 Hunt St

Watertown, MA 02472

Nancy Marshall (617) 668-6801

05-2-S2.05-9082 ARC

[Single Molecule Instrument for Surface Enhanced Raman Optical Activity of Biomolecules](#) [88]

- **Rolling Hills Research Corporation**

420 N. Nash Street

El Segundo, CA 90245

Brian Kramer (310) 640-8781

05-2-A2.07-8022 AFRC

[Enhanced L/D and Virtual Shaping of NLF Sections](#) [89]

- **S&K Technologies, Inc.**

, MT 00000

Arthur Molin (281) 636-5592

05-2-X5.02-8208 JSC

[Concept of Operations Storyboarding Tool](#) [90]

- **Science Research Laboratory, Inc.**

, MA 00000

Jonah Jacob (617) 547-1122

05-2-S6.02-9846 LaRC

[Fault-Protected Laser Diode Drivers for Improving the Performance and Lifetime of Multiple-Millisecond, Long-Pulse LDAs for NASA LIDAR Systems](#) [91]

- **Scientific Systems Company, Inc.**

500 West Cummings Park, Suite 3000

Woburn, MA 01801

Raman Mehra (781) 933-5355

05-2-A1.03-8321 LaRC

[Integrated Damage-Adaptive Control System \(IDACS\)](#) [92]

- **Sentient Corporation**

850 Energy Drive

Idaho Falls, ID 83401

Sean Marble (802) 876-3100

05-2-A1.04-9755 ARC

[Model Updating in Online Aircraft Prognosis Systems](#) [93]

- **SIFT, LLC**

211 N. First Street, Suite 300

Minneapolis, MN 55401

Harry Funk (612) 578-7438

05-2-X13.01-7946 JSC

[An Automated Evaluation and Critiquing Aid for User Interface Design](#) [94]

- **Soneticom, Inc.**

1045 South John Rodes Boulevard

West Melbourne, FL 32904

Richard Lepre (321) 733-0400

05-2-O2.03-7829 KSC

[Range Surveillance Using Radio Interferometry and TDOA Techniques](#) [95]

- **Spaceborne, Inc.**

, CA 00000

Constantin Timoc (818) 952-0126

05-2-S6.06-9863 JPL

[A Digital Correlation Spectrometer Chip with 1 GHz Bandwidth, 4096 Spectral Channels, and 4 W Power Consumption for Passive Microwave Remote Sensing Instruments](#) [96]

- **Spire Corporation**

, MA 00000

Mark Little (781) 275-6000

05-2-S2.04-8023 GRC

[High Operating Temperature, Radiation-Hard MIM Thermophotovoltaic Converters](#) [97]

- **Stottler Henke Associates, Inc.**

951 Mariner's Island Blvd., Suite 360

San Mateo, CA 94404

Carolyn Maxwell (650) 931-2700

05-2-X6.01-9292 ARC

[Intelligent, Semi-Automated Procedure Aid \(ISAPA\) for ISS Flight Control](#) [98]

- **Sunpower, Inc.**

, OH 00000

Faith Knutsen (740) 594-2221

05-2-X3.01-9845 GRC

[High Specific Power Multiple-Cylinder Alpha Free-Piston Stirling Engine](#) [99]

- **Sunpower, Inc.**

, OH 00000

Faith Knutsen (740) 594-2221

05-2-S2.04-9840 GRC

[Thermo-Acoustic Convertor for Space Power](#) [100]

- **Superconducting Systems, Inc.**

, MA 00000

Shahin Pourrahimi (781) 642-6702

05-2-S4.03-8093 GSFC

[Shielded ADR Magnets For Space Applications](#) [101]

- **Surmet Corporation**

, MA 00000

Santosh Jha (781) 345-5721

05-2-X7.02-7746 MSFC

[Lightweight and Environmentally Durable Propulsion Components](#) [102]

- **SySense, Inc.**

300 East Magnolia Suite 300

Burbank, CA 91502

Walton Williamson (818) 238-2330

05-2-S3.01-7996 JPL

[Fault Detection, Identification, Reconstruction, and Fault-Tolerant Estimation for Distributed Spacecraft](#) [103]

- **Tao of Systems Integration, Inc.**

, VA 00000

Siva Mangalam (757) 220-5040

05-2-A2.09-8187 AFRC

[Flow-Angle and Airspeed Sensor System \(FASS\) Using Flush-Mounted Hot-Films](#) [104]

- **TechnoScience Corporation**

P.O. Box 60658

Palo Alto, CA 94306

Jam Farhoomand (650) 838-9833

05-2-S4.01-8859 JPL

[A 32x32 Direct Hybrid Germanium Photoconductor Array with CTIA Readout Multiplexer](#) [105]

- **Techshot, Inc.**

7200 Highway 150

Greenville, IN 47124

Mark Deuser (812) 923-9591

05-2-X11.01-9875 JSC

[Sample Management System for Heavy Ion Irradiation](#) [106]

- **Thorleaf Research, Inc.**

5552 Cathedral Oaks Road

Santa Barbara, CA 93111

Paul Holland (805) 692-4978

05-2-S2.01-8127 JPL

[Miniaturized, Low Power Cryogenic Inlet System with Sampling Probes for Titan](#) [107]

- **Time Rover, Inc.**

, CA 00000

Dana Drusinsky (408) 252-2808

05-2-X5.01-9960 ARC

[System and Component Software Specification, Run-time Verification and Automatic Test Generation](#) [108]

- **TRS Ceramics, Inc.**

2820 East College Avenue

State College, PA 16801

Wesley Hackenberger (814) 238-7485

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- **TRS Ceramics, Inc.**

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State College, PA 16801

Chris Walk (814) 238-7485

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[High Temperature Capacitors for Venus Exploration](#) [110]

- **TTH Research, Inc.**

, MD 00000

Triem Hoang (301) 490-1800

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- **Ultramet**

12173 Montague Street

Pacoima, CA 91331

Craig Ward (818) 899-0236

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- **UMPQUA Research Company**

PO Box 609

Myrtle Creek, OR 97457

John Aker (541) 863-2655

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- **UMPQUA Research Company**

PO Box 609

Myrtle Creek, OR 97457

John Aker (541) 863-2655

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[Microwave Powered Gravitationally Independent Medical Grade Water Generation](#) [114]

- **Valcor Engineering Corporation**

, NJ 00000

HAROLD SORENSEN (973) 467-8400

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[Advanced On Board Inert Gas Generation System \(OBBIGS\)](#) [115]

- **Virginia Diodes, Inc.**

979 Second Street, SE

Charlottesville, VA 22902

Thomas Crowe (434) 297-3257

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- **Visual Editor Consultants**

, WA 00000

Randy Schwarz (509) 539-8621

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- **Visual Learning Systems, Inc.**

, MT 00000

James Blundell (406) 829-1384

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[Automated Feature Extraction from Hyperspectral Imagery](#) [118]

- **Voxel, Inc.**

12725 SW Millikan Way, Suite 230

Beaverton, OR 97205

George Williams (971) 223-5646

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[High Efficiency, Easy-to-Manufacture Engineered Nanomaterials for Thermoelectric Applications](#) [119]

- **Xinetics, Inc.**

115 Jackson Road

Devens, MA 01434

Michael Sheedy (978) 772-0352

05-2-S3.02-7486 JPL

[Integrated Wavefront Corrector](#) [120]

[Return to Top](#)

[Return to NASA SBIR 2005 Phase II Solicitation Selections](#) [121]