



Proposals Selected for Negotiation of Contracts

- **Acellent Technologies, Inc.**

, CA 00000

Amrita Kumar (408) 745-1188

05-1-X8.01-8233 ARC

[Condition Based Maintenance of Space Exploration Vehicles Using Structural Health Monitoring](#) [1]

- **Acuity Technologies, Inc.**

, CA 00000

Robert Clark (650) 369-6783

05-1-A2.07-8360 AFRC

[VTOL to Transonic Aircraft](#) [2]

- **Aculight Corporation**

, WA 00000

Dennis Lowenthal (425) 482-1100

05-1-S2.01-9144 JPL

[Long Wave Mid-Infrared Source for Trace Gas Sensing](#) [3]

- **ADA Technologies, Inc.**

, CO 00000

Clifton Brown (303) 792-5615

05-1-X12.03-8217 GRC

[Effervescent Fine Water Mist Fire Extinguisher for Microgravity Environments](#) [4]

- **Adherent Technologies, Inc.**

, NM 00000

Susan Switzer (505) 346-1685

05-1-X12.03-8408 MSFC

[Light-Curing Structural Tape for In-Space Repair](#) [5]

- **Advanced Coatings International**

, OH 00000

Steven Johnson (330) 794-6370

05-1-X2.02-8577 LaRC

[Photochemical Cyclopolymerization of Polyimides in Ultraviolet Ridgidizing Composites for Use in Inflatable Structures](#) [6]

- **Advanced Cooling Technologies, Inc.**

, PA 00000

Jon Zuo (717) 295-6058

05-1-X10.04-9170 JPL

[Titanium Loop Heat Pipes for Space Nuclear Radiators](#) [7]

- **Advanced Cooling Technologies, Inc.**

, PA 00000

Jon Zuo (717) 295-6058

05-1-X10.04-7882 GRC

[Intermediate Temperature Fluids for Heat Pipes and Loop Heat Pipes](#) [8]

- **Advanced Fuel Research, Inc.**

, CT 00000

Michael Serio (860) 528-9806

05-1-X11.01-8223 LaRC

[Characterizing and Manufacturing Multifunctional Radiation Shielding Materials](#) [9]

- **Advanced Liquid Logic, Inc.**

, NC 00000

Richard West (919) 990-8566

05-1-X11.03-8133 JSC

[Portable Programmable Multifunction Body Fluids Analyzer](#) [10]

- **Advanced Optical Systems, Inc.**

, AL 00000

Halley Little (256) 971-0036

05-1-S8.01-7776 GSFC

[Hybrid Guidance System for Relative Navigation](#) [11]

- **Advanced Science and Novel Technology**

, CA 00000

Vladimir Katzman (310) 377-6029

05-1-X1.01-9968 GSFC

[Radiation-Tolerant, Space Wire-Compatible Switching Fabric](#) [12]

- **Advanced Technologies Group, Inc.**

, FL 00000

John Justak (772) 283-0253

05-1-X3.03-8000 MSFC

[Methane Liquid Level Sensor](#) [13]

- **ADVR, Inc.**

, MT 00000

Philip Battle (406) 522-0388

05-1-S4.06-8895 GSFC

[High Power Electro-Optic Modulator for Space-Based Applications](#) [14]

- **AEGIS Technology, Inc.**

, CA 00000

Bob Liu (714) 265-1238

05-1-S8.06-7695 GRC

[A High-Efficiency Compact SiC-based Power Converter System](#) [15]

- **AeroAstro, Inc.**

, VA 00000

Kimberly Kohlhepp (617) 451-8630

05-1-O1.07-9189 JSC

[Reconfigurable, Digital EVA Radio](#) [16]

- **AeroAstro, Inc.**

, VA 00000

Kimberly Kohlhepp (617) 451-8630

05-1-X14.01-9184 MSFC

[Telerobotic Satellite Servicing for Space System Life Extension and Performance Enhancement](#) [17]

- **AeroAstro, Inc.**

, VA 00000

Kimberly Kohlhepp (617) 451-8630

05-1-X7.02-9183 JSC

[Resonating Nitrous Oxide Thruster](#) [18]

- **AeroAstro, Inc.**

, VA 00000

Kimberly Kohlhepp (617) 451-8630

05-1-X1.01-9182 JSC

[Modular, Fault-Tolerant Electronics Supporting Space Exploration](#) [19]

- **Aeronix, Inc.**

, FL 00000

Brian Brown (864) 506-0551

05-1-X1.04-8475 GRC

[Radiation Tolerant Reconfigurable/Reprogrammable 802.16 Communication System](#) [20]

- **Aerotech Research**

, VA 00000

Steven Velotas (757) 723-1300

05-1-A1.04-9693 ARC

[A Real-Time Quantitative Condition Alerting and Analysis Support System for Aircraft Maintenance](#) [21]

- **Aerotech Research**

, VA 00000

Steven Velotas (757) 723-1300

05-1-A3.01-9828 ARC

[An Integrated Turbulence Hazard Decision Support Tool for Controllers and Dispatchers](#) [22]

- **Aerotomy, Incorporated**

, GA 00000

Chris Gibson (706) 413-1582

05-1-A3.01-7956 AFRC

[A Safe, Legal, and Autonomous See-and-Avoid System for UAVs](#) [23]

- **Agiltron Corporation**

, MA 00000

Lei Zhang (781) 935-1200

05-1-S6.06-7513 JPL

[Solid-State Phase-Lockable 1-2THz Local-Oscillator Based on Intra-Cavity Frequency Conversion](#) [24]

- **AMBP Tech Corp**

, NY 00000

Nehal Chokshi (716) 447-2587

05-1-S2.06-7942 JPL

[ZnO HEMTs on Flexible Substrates for Large Area Monolithic Antenna Applications](#) [25]

- **American GNC Corporation**

, CA 00000

Cecile Huling (805) 582-0582

05-1-A2.06-8192 ARC

[Wireless Health Monitoring for Large Arrays of MEMS Sensors and Actuators](#) [26]

- **American GNC Corporation**

, CA 00000

Cecile Huling (805) 582-0582

05-1-S7.02-9256 SSC

[Web Based Distributed Coastal Image Analysis System](#) [27]

- **Analytical Mechanics Assoc., Inc.**

, VA 00000

Dennis Bulgatz (256) 830-4811

05-1-S5.01-7801 LaRC

[Computational Framework for Aerocapture Devices \(Ballutes\)](#) [28]

- **Analytical Mechanics Assoc., Inc.**

, VA 00000

Dennis Bulgatz (256) 830-4811

05-1-X4.02-7844 LaRC

[Optimal Rendezvous and Docking Simulator for Elliptical Orbits](#) [29]

- **Andrews Space, Inc.**

, WA 00000

Chris Hoeft (206) 438-0602

05-1-X7.04-8963 AFRC

[Flexible Transpiration Cooled Thermal Protection System for Inflatable Atmospheric Capture and Entry Systems](#) [30]

- **aPeak, Inc.**

, MA 00000

Stefan Vasile (617) 964-1788

05-1-S4.05-9707 GSFC

[Fast Readout for Large Area Photon-Counting Infrared Detectors](#) [31]

- **Apparati, Inc.**

, CA 00000

Charles Bryson (408) 623-1556

05-1-S2.05-7935 ARC

[A Miniature Extreme Environment Powder Delivery System \(M-PoDS\)](#) [32]

- **Applied Biomathematics**

, NY 00000

Lev Ginzburg (631) 751-4350

05-1-S2.07-8521 LaRC

[Accounting for Epistemic and Aleatory Uncertainty in Early System Design](#) [33]

- **Applied Material Systems Engineering, Inc.**

, IL 00000

Mukund (Mike) Deshpande (630) 372-9650

05-1-X10.04-9670 GRC

[Robust Engineered Thermal Control Material Systems for Crew Exploration Vehicle \(CEV\) and Prometheus Needs](#) [34]

- **Applied Sciences, Inc.**

, OH 00000

Max Lake (937) 766-2020

05-1-A2.04-8086 LaRC

[Nanofiber Additions for Tailorable Vibration Damping Materials](#) [35]

- **Applied Technology Associates**

, NM 00000

Anthony Tenorio (505) 767-1203

05-1-S1.03-8998 JPL

[Wide-Bandwidth, Ultra-Accurate, Composite Inertial Reference Sensor](#) [36]

- **Aptima, Inc.**

, MA 00000

Richard Salvage (781) 496-2487

05-1-A1.01-9490 LaRC

[Scenario-Based Performance Observation Tool for Learning in Team Environments Aerospace Crew-Centered Technologies \(SPOTLITE-ACT\)](#) [37]

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

, AR 00000

Sharmila Mounce (479) 443-5759

05-1-X1.02-8196 JPL

[DC-Motor Drive Encompassing SiGe Asynchronous Control Electronics for Ultra-Wide \(-230\)](#) [38]

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

, AR 00000

Sharmila Mounce (479) 443-5759

05-1-S2.02-8160 JPL

[High Temperature All Silicon-Carbide \(SiC\) DC Motor Drives for Venus Exploration Vehicles](#) [39]

- **Aspen Aerogels, Inc.**

, MA 00000

Heather Crouse (508) 691-1161

05-1-X3.03-7985 MSFC

[Sprayable Thermal Insulation for Cryogenic Tanks](#) [40]

- **Aspen Aerogels, Inc.**

, MA 00000

Heather Crouse (508) 691-1161

05-1-S2.02-8148 JPL

[Aerogel Insulation for the Thermal Protection of Venus Spacecraft](#) [41]

- **Atlas Scientific**

, CA 00000

Ali Kashani (408) 507-0906

05-1-S4.03-9709 JPL

[A 4-Kelvin Pulse-Tube/Reverse-Brayton Hybrid Cryocooler](#) [42]

- **Barrett Technology**

, MA 00000

David Wilkinson (617) 252-9000

05-1-X9.02-9593 JPL

[Universal Brushless-DC Motor Controller for Space Applications](#) [43]

- **Barrett Technology**

, MA 00000

David Wilkinson (617) 252-9000

05-1-X8.02-8057 JSC

[Broad Application of a Reconfigurable Motor Controller](#) [44]

- **Beck Engineering, Inc.**

, WA 00000

Douglas Beck (360) 876-9710

05-1-O1.05-9818 JPL

[15-25K Static-Helium Regenerator/Double Pulse Tube Cooler for Receiving Arrays](#) [45]

- **Big Horn Valve, Inc.**

, WY 00000

Zachary Gray (307) 672-5443

05-1-X3.03-9923 JSC

[VOST Flow-Control Valve](#) [46]

- **Binachip, Inc.**

, IL 00000

Prith Banerjee (847) 757-8708

05-1-O1.06-9806 GRC

[A Hardware/Software Design Environment for Reconfigurable Communication Systems](#) [47]

- **BioTex, Inc.**

, TX 00000

Ashok Gowda (713) 741-0111

05-1-X11.02-9634 MSFC

[Monitoring Microbes in the Spacecraft Environment by Mass Spectrometry of Ribosomal RNA](#) [48]

- **Boston Applied Technologies, Inc.**

, MA 00000

Kevin Zou

05-1-X12.02-8626 GRC

[Gigahertz Optical Data Transmitters for Laser Communications](#) [49]

- **Boston Applied Technologies, Inc.**

, MA 00000

Kevin Zou

05-1-S2.01-7983 JPL

[Compact High Sensitive Laser-Induced Breakdown Spectroscopy Instrument](#) [50]

- **Boston Micromachines Corp**

, MA 00000

Paul Bierden (617) 926-8796

05-1-S3.02-7676 JPL

[Ultraflat Tip-Tilt-Piston MEMS Deformable Mirror](#) [51]

- **Boulder Nonlinear Systems, Inc.**

, CO 00000

Mark Tanner (303) 604-0077

05-1-S2.01-7624 ARC

[Adaptive Computed Tomography Imaging Spectrometer](#) [52]

- **Brimrose Corporation of America**

, MD 00000

Diane Murray (512) 303-2362

05-1-A2.04-8833 LaRC

[High Sensitivity Pulsed Laser Vibrometer for Aircraft Interior Noise Monitoring](#) [53]

- **Broadata Communications, Inc.**

, CA 00000

Freddie Lin (310) 530-1416

05-1-O2.03-8791 KSC

[Multi-Sensor Aerial Intrusion Detector](#) [54]

- **Busek Co. Inc.**

, MA 00000

Judy Budny (508) 655-5565

05-1-S3.01-8932 JPL

[Field-Effect Modulated Electro-Osmotic Pumps for High Precision Colloid Thrusters](#) [55]

- **Center for Remote Sensing, Inc.**

, VA 00000

Suman Ganguly (703) 385-7717

05-1-S5.02-8284 MSFC

[Radar Characterization of the Interplanetary Meteoroid Environment](#) [56]

- **Ceramic Composites, Inc.**

, MD 00000

Sharon Fehrenbacher (410) 224-3710

05-1-S2.02-9617 JPL

[Venus Lander Experiment Vessel](#) [57]

- **CFD Research Corp**

, AL 00000

Ashok Singhal (256) 726-4858

05-1-X1.02-8141 JPL

[Computer Aided Design Tools for Extreme Environment Electronics](#) [58]

- **CFD Research Corp**

, AL 00000

Ashok Singhal (256) 726-4858

05-1-X3.01-9345 GRC

[Novel Solar Cell Nanotechnology for Improved Efficiency and Radiation Hardness](#) [59]

- **Chesapeake Cryogenics, Inc.**

, MD 00000

William Superczynski (410) 757-6616

05-1-S4.03-7763 ARC

[Advanced Regenerator for High Frequency Low Temperature Operation](#) [60]

- **Collier Research & Development Corp**

, VA 00000

Ivonne Collier (757) 825-0000

05-1-X4.02-8340 LaRC

[Automated Design and Analysis Tool for CEV Structural and TPS Components](#) [61]

- **Colorado Power Electronics, Inc.**

, CO 00000

Geoffrey Drummond (970) 482-0191

05-1-S8.04-9683 GRC

[Wide Output Range Power Processing Unit for Electric Propulsion](#) [62]

- **Colorado Power Electronics, Inc.**

, CO 00000

Geoffrey Drummond (970) 482-0191

05-1-X10.01-8573 JPL

[High Efficiency Three Phase Resonant Conversion for Standardized Architecture Power System Applications](#) [63]

- **Combustion Research and Flow Technology**

, PA 00000

Paula Schachter (215) 766-1520

05-1-X7.01-9200 MSFC

[Efficient and Accurate Computational Framework for Injector Design and Analysis](#) [64]

- **Combustion Research and Flow Technology**

, PA 00000

Paula Schachter (215) 766-1520

05-1-X7.04-9051 LaRC

[Hybrid Computational Model for High-Altitude Aeroassist Vehicles](#) [65]

- **Comet Technology Corporation**

, MI 00000

Satha Raveendra (734) 973-1600

05-1-A2.01-8590 GRC

[Identification and Reduction of Turbomachinery Noise](#) [66]

- **Complere, Inc.**

, CA 00000

F. Kevin Owen (831) 646-5370

05-1-S1.04-8947 LaRC

[Hypersonic Free-Flight Measurement of Aeroshell Forces and Flowfields](#) [67]

- **CompuTherm, LLC**

, WI 00000

Y. Austin Chang (608) 274-1414

05-1-X10.05-9714 GRC

[A Computational Tool for the Prediction of Long Term Stability of Refractory Alloys](#) [68]

- **Continuum Dynamics, Inc.**

, NJ 00000

Barbara Agans (609) 538-0444

05-1-A2.08-8381 AFRC

[HALE Modeling Tools for Real Time Hardware-Coupled Aeroservoelastic Simulations](#) [69]

- **Covalent Assoc., Inc.**

, MA 00000

Linda Morrison (781) 938-1140

05-1-X3.02-9626 JSC

[Novel Electrolytes for -100](#) [70]

- **Creare, Inc.**

, NH 00000

Gordon Willett (603) 643-3800

05-1-S4.03-9774 ARC

[Highly Effective Thermal Regenerator for Low Temperature Cryocoolers](#) [71]

- **Creare, Inc.**

, NH 00000

Gordon Willett (603) 643-3800

05-1-S6.07-9233 MSFC

[High-Conductance Thermal Interfaces Based on Carbon Nanotubes](#) [72]

- **Creare, Inc.**

, NH 00000

Gordon Willett (603) 643-3800

05-1-X12.01-9563 JSC

[Liquid-Liquid Heat Exchanger With Zero Interpath Leakage](#) [73]

- **Crystal Research, Inc.**

, CA 00000

Suning Tang (510) 445-0833

05-1-S1.03-9149 JPL

[A Miniaturized Adaptive Optic Device for Optical Telecommunications](#) [74]

- **Cybernet Systems Corporation**

, MI 00000

Daniel Jarrell (734) 668-2567

05-1-O1.01-7813 GSFC

[Robust CCSDS Image Data to JPEG2K Transcoding](#) [75]

- **Diamond Materials, Inc.**

, NJ 00000

Gary Tompa (973) 885-0805

05-1-S6.07-7787 GSFC

[High Efficiency Microchannel Diamond Heat Sinks](#) [76]

- **Doradus Technologies, Inc.**

, CA 00000

Sam Heidari (408) 954-1400

05-1-O1.01-8435 GSFC

[Near Shannon Limit Low Peak Mean To Envelope Power Ratio \(PMEPR\) Turbo Block Coded OFDM for Space Communications](#) [77]

- **DR Technologies, Inc.**

, CA 00000

Steven Sherman (858) 677-1226

05-1-S2.04-8129 GRC

[Quantum Dot Spectrum Converters for Enhanced High Efficiency Photovoltaics](#) [78]

- **DR Technologies, Inc.**

, CA 00000

Steven Sherman (858) 677-1226

05-1-S8.05-8053 GRC

[Affordable High Performance Electromagnetically Clean Solar Arrays](#) [79]

- **Earth Mapping International**

, GA 00000

Bishwa Acharya (770) 963-8965

05-1-S7.02-8952 SSC

[Regional and Local Geoid Undulations for Computing Orthometric Heights from GPS Measurements](#) [80]

- **EDaptive Computing, Inc.**

, OH 00000

Praveen Chawla (937) 281-0790

05-1-X5.01-8747 ARC

[Model-Based Specification Checker for Multi-Domain Systems \(SpecCheck\)](#) [81]

- **EIC Laboratories, Inc.**

, MA 00000

David Rauh (781) 769-9450

05-1-S1.01-8252 JPL

[Constant-Energy Synchronous Probe for Surface Monitoring](#) [82]

- **EIC Laboratories, Inc.**

, MA 00000

David Rauh (781) 769-9450

05-1-X3.02-8482 JSC

[Lithium-ion Energy Storage at Very Low Temperatures](#) [83]

- **ElectroChem, Inc.**

, MA 00000

Radha Jalan (781) 938-5300

05-1-X3.02-8857 JSC

[Integrated PEMFC Flow Field Design Concept for Gravity Independent Passive Water Removal](#) [84]

- **Electrodynamics Applications, Inc.**

, MI 00000

David Morris (734) 786-1434

05-1-S5.01-7823 MSFC

[Arc Suppression Coatings](#) [85]

- **Electron Energy Corporation**

, PA 00000

Peter Dent (717) 898-2294

05-1-X7.03-9246 GRC

[Accelerated Testing of High Temperature Permanent Magnets for Spacecraft Propulsion](#) [86]

- **Eltron Research, Inc.**

, CO 00000

Eileen Sammells (303) 530-0263

05-1-S8.04-9646 GRC

[Highly Durable Catalysts for Ignition of Advanced Monopropellants](#) [87]

- **Eltron Research, Inc.**

, CO 00000

Eileen Sammells (303) 530-0263

05-1-A2.03-9642 GRC

[A Novel Cyclic Catalytic Reformer for Hydrocarbon Fuels](#) [88]

- **EM Photonics**

, DE 00000

Eric Kelmelis (302) 456-9003

05-1-O2.03-9888 KSC

[Processor for Real-Time Atmospheric Compensation in Long-Range Imaging](#) [89]

- **Emergent Space Technologies, Inc.**

, MD 00000

George Davis (301) 345-1535

05-1-S9.01-9856 ARC

[Distributed Plug-and-Play Planning and Scheduling System](#) [90]

- **Emergent Space Technologies, Inc.**

, MD 00000

George Davis (301) 345-1535

05-1-X4.02-9854 GSFC

[System Engineering Process Realization Toolkit](#) [91]

- **En'Urga, Inc.**

, IN 00000

Deepa Divakaran (765) 497-3269

05-1-A1.02-8892 GRC

[A Fire Detector for Monitoring Inaccessible Areas in Aircrafts](#) [92]

- **Environmental and Life Support Tech.**

, CO 00000

Cliff Jolly (303) 840-4221

05-1-X12.07-7968 JSC

[Pilot-Scale Oxidation Catalysts](#) [93]

- **Epsilon Lambda Electronics Corporation**

, IL 00000

Robert Knox (630) 293-7118

05-1-X1.03-9361 GSFC

[Rover Radar for Surface Navigation, Hazard Detection and Negative Obstacle Avoidance](#) [94]

- **Fibertek, Inc.**

, VA 00000

Ralph Burnham (703) 471-7671

05-1-S4.06-9618 GSFC

[Space-Qualified Ultrastable Laser Source](#) [95]

- **Firestar Engineering, LLC**

, CO 00000

Ted Fisher (303) 439-2698

05-1-X2.02-7885 MSFC

[Rigidizing Inflatable Deployable Dwelling \(RIDDD\)](#) [96]

- **Florida Turbine Technologies, Inc.**

, FL 00000

James Brostmeyer (561) 746-3317

05-1-X7.02-9038 MSFC

[Physics-Based Pneumatic Hammer Instability Model](#) [97]

- **Folded Structures Company, L.L.C.**

, NJ 00000

Daniel Kling (908) 237-1955

05-1-X2.02-7872 LaRC

[New Analysis and Theory of Deployable Folded Structures](#) [98]

- **Frendi**

, AL 00000

Kader Frendi (256) 824-7206

05-1-X6.03-9257 KSC

[Prediction and Control of the Vibroacoustic Environment During a Launch Sequence](#) [99]

- **GDA Corp.**

, PA 00000

Stephanie Hulina (814) 237-4060

05-1-S7.01-7622 SSC

[Automated Extraction of Crop Area Statistics from Medium-Resolution Imagery](#) [100]

- **GFT, LLC**

, IN 00000

Philip Griffith (260) 731-1450

05-1-X2.01-8036 LaRC

[Radiation Abating Highly Flexible Multifunctional Polyimide Cryogenic and Thermal Insulation](#) [101]

- **Harmonic Devices, Inc.**

, CA 00000

Philip Stephanou (510) 292-8016

05-1-O1.08-8758 GRC

[Single-Chip Multiple-Frequency RF MEMS Resonant Platform for Wireless Communications](#) [102]

- **Hittite Microwave Corp**

, MA 00000

Stephen Daly (978) 250-3343

05-1-S6.05-8391 JPL

[Ka-Band MMIC T/R Module](#) [103]

- **Hittite Microwave Corp**

, MA 00000

Stephen Daly (978) 250-3343

05-1-O1.06-7678 GRC

[Reconfigurable/Reprogrammable Communication Systems](#) [104]

- **HOBILabs, Inc.**

, AZ 00000

Robert Maffione (520) 299-2589

05-1-S6.03-8368 GSFC

[Portable, Solid-State Light Sources for Field Radiometric Calibrations](#) [105]

- **Honeybee Robotics Ltd.**

, NY 00000

Chris Chapman (644) 459-7802

05-1-S4.02-7580 JPL

[Aerobot Sampling and Handling System](#) [106]

- **Honeybee Robotics Ltd.**

, NY 00000

Chris Chapman (646) 459-7802

05-1-X12.02-7528 JSC

[Dust-Tolerant Reusable Connection Mechanisms for Lunar Environments](#) [107]

- **Hyper Tech Research, Inc.**

, OH 00000

Michael Tomsic (614) 481-8050

05-1-A2.05-7948 GRC

[Magnesium Diboride Superconducting Stator Coils for Electric Propulsion Systems](#) [108]

- **Hypercomp Engineering, Inc.**

, UT 00000

Wayne Clark (435) 734-1166

05-1-X3.03-9289 MSFC

[Defining the coupled effects of cryogenic, space-radiation, and hypervelocity impact damage on COPV's](#) [109]

- **HyPerspectives, Inc.**

, MT 00000

Robert Crabtree (406) 556-9880

05-1-S7.01-8850 SSC

[LiDAR and Hyperspectral Fusion for Landslide Hazard Detection](#) [110]

- **Infocitex Corporation**

, MA 00000

William Thompson (781) 890-1338

05-1-X2.01-9174 MSFC

[Enhanced Damage Tolerance High Temperature Composite Using a Biomimetic Toughening System](#) [111]

- **Infocitex Corporation**

, MA 00000

William Thompson (781) 890-1338

05-1-X12.05-9623 JSC

[ElastiGlass Barrier Film and Food Processing Techniques for the 3-to-5 Year Shelf-Stable Food Package](#) [112]

- **Infocitex Corporation**

, MA 00000

William Thompson (781) 890-1338

05-1-O1.04-7826 GRC

[Novel Deployable High Frequency Antennas Using Composite Electro-Textiles](#) [113]

- **INNOSENSE LLC**

, CA 00000

Latika Datta (310) 530-2011

05-1-X12.05-9790 JSC

[Nanomaterials-Based Water and Moisture Impermeable Barrier for Food Packaging](#) [114]

- **INNOSENSE LLC**

, CA 00000

Latika Datta (310) 530-2011

05-1-X6.03-9788 KSC

[Autonomous, Cryogenic Leak Detector for Improving Launch Site Operations](#) [115]

- **INNOSENSE LLC**

, CA 00000

Latika Datta (310) 530-2011

05-1-A1.03-9787 JPL

[Synthetic Receptor-Based Biosensor for Safety and Security Applications](#) [116]

- **InnoSys, Inc.**

, UT 00000

Jennifer Hwu (801) 975-7399

05-1-S2.02-8956 JPL

[Extreme Environment High Temperature Communication Systems](#) [117]

- **Innovative Dynamics, Inc.**

, NY 00000

Kumar Seetharam (607) 257-0533

05-1-A1.02-9042 GRC

[Radiosonde-Borne Cloud Assessment System](#) [118]

- **Innovative Technical Solutions, Inc. dba NovaSol**

, HI 00000

Rick Holasek (808) 441-3666

05-1-S6.03-8764 GSFC

[Broadband Advanced Spectral System](#) [119]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

05-1-A3.01-8442 ARC

[Debugging and Event Tracing for Multi-Agent Systems](#) [120]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

05-1-A1.01-8659 LaRC

[See-and-Avoid Collision Avoidance Using ADS-B Signal and Radar Sensing](#) [121]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

05-1-X12.04-9861 JSC

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- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

05-1-A1.02-8162 GRC

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- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

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- **Intelligent Fiber Optic Systems Corporation**

, CA 00000

Behzad Moslehi (408) 328-8648

05-1-A1.03-8545 LaRC

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- **International Electronic Machines Corporation (IEM)**

, NY 00000

Ryk Spoor (518) 449-5504

05-1-X1.03-8199 LaRC

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- **International Scientific Technologies, Inc.**

, VA 00000

Wanda Gibson (540) 633-1424

05-1-X2.03-8519 LaRC

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- **Invocon, Inc.**

, TX 00000

Mary Pate (281) 292-9903

05-1-O2.02-8430 SSC

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- **Ionwerks**

, TX 00000

Ketti Eipers-Smith (713) 522-9880

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- **Iris AO, Inc.**

, CA 00000

Nathan Doble (510) 849-2375

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- **ITN Energy Systems, Inc.**

, CO 00000

Janet Casteel (303) 285-5111

05-1-S8.05-8816 GSFC

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- **ITN Energy Systems, Inc.**

, CO 00000

Janet Casteel (303) 285-5111

05-1-X12.02-8812 JSC

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- **Kazak Composites Incorporated**

, MA 00000

Jerome Fanucci (781) 932-5667

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- **KJB Consultants**

, OH 00000

Kenneth Baumeister (440) 238-6861

05-1-A2.01-9658 GRC

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- **Lake Shore Cryotronics, Inc.**

, OH 00000

Philip Swinehart (614) 891-2243

05-1-A2.03-8565 GRC

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- **Landauer, Inc.**

, IL 00000

James O'Connell (708) 756-9555

05-1-X11.01-8848 JSC

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- **Lightsmyth Technologies**

, OR 00000

Thomas Mossberg (541) 431-0026

05-1-S4.04-8389 GSFC

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- **Loats Associates, Inc.**

, MD 00000

Donald Lloyd (410) 876-8055

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- **Los Gatos Research**

, CA 00000

Anthony O'Keefe (650) 965-7772

05-1-S4.04-8886 JPL

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- **Los Gatos Research**

, CA 00000

Anthony O'Keefe (650) 965-7772

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- **Los Gatos Research**

, CA 00000

Anthony O'Keefe (650) 965-7772

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- **Los Gatos Research**

, CA 00000

Anthony O'Keefe (650) 965-7772

05-1-S2.05-8993 ARC

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- **Luna Innovations Incorporated**

, VA 00000

Crystal Woodruff (540) 552-5128

05-1-X10.03-8601 GRC

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- **Lynntech, Inc.**

, TX 00000

Cynthia Barnett (979) 693-0017

05-1-X12.07-8928 JSC

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- **Lynntech, Inc.**

, TX 00000

Cynthia Barnett (979) 693-0017

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- **Lynntech, Inc.**

, TX 00000

Cynthia Barnett (979) 693-0017

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- **Lynntech, Inc.**

, TX 00000

Cynthia Barnett (979) 693-0017

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- **M4 Engineering, Inc.**

, CA 00000

Myles Baker (562) 981-7797

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- **Mainstream Engineering Corporation**

, FL 00000

Michael Rizzo (321) 631-3550

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- **Mainstream Engineering Corporation**

, FL 00000

Michael Rizzo (321) 631-3550

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- **Mainstream Engineering Corporation**

, FL 00000

Michael Rizzo (321) 631-3550

05-1-X6.03-9295 KSC

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- **Materials Modification, Inc.**

, VA 00000

Tirumalai Sudarshan (703) 560-1371

05-1-X2.03-7568 JSC

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- **Materials Research and Design**

, PA 00000

Brian Sullivan (610) 964-6131

05-1-X7.04-8914 ARC

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- **MER Corp**

, AZ 00000

Raouf Loutfy (520) 574-1980

05-1-X2.03-8282 LaRC

[A Nanotube Surface Reinforced Graphite Fiber Exhibiting Significantly Enhanced Properties](#) [154]

- **MesoScribe Technologies, Inc.**

, NY 00000

Jeffrey Brogan (631) 444-6455

05-1-S2.06-7742 JPL

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- **MetaHeuristics**

, CA 00000

Sanjoy Banerjee (805) 682-5766

05-1-A2.04-8523 LaRC

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- **Metis Design Corporation**

, MA 00000

Seth Kessler (617) 661-5616

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- **Metrica, Inc.**

, TX 00000

Jonathan Fast (210) 822-2310

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- **MetroLaser, Inc.**

, CA 00000

Cecil Hess (949) 553-0688

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- **MetroLaser, Inc.**

, CA 00000

Cecil Hess (949) 553-0688

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- **Metron Aviation, Inc.**

, VA 00000

Seth Blackwell (703) 787-8700

05-1-A3.01-9744 ARC

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- **Mevicon, Inc.**

, CA 00000

Eric Flint (408) 744-1335

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- **Micro Analysis & Design, Inc.**

, CO 00000

Deborah Koch (303) 442-6947

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- **Micro Analysis & Design, Inc.**

, CO 00000

Kathleen Koshi (303) 442-6947

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- **MicroCell Technologies, LLC**

, MA 00000

Michael Kimble (978) 952-6947

05-1-X12.01-7647 ARC

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- **MicroCell Technologies, LLC**

, MA 00000

Michael Kimble (978) 952-6947

05-1-X9.01-8054 KSC

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- **Microcosm, Inc.**

, CA 00000

Lynn Shimohara (310) 726-4100

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- **Microphase Coatings, Inc.**

, NC 00000

William Simendinger (919) 779-7679

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- **MicroSat Systems, Inc.**

, CO 00000

Brad Schneider (303) 285-1833

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- **Microwave Power Technology**

, CA 00000

Robert Espinosa (650) 567-0081

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- **Milcord LLC**

, MA 00000

Alper Caglayan (617) 905-1486

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- **MilliSensor Systems and Actuators, Inc.**

, MA 00000

Nunzi Sapuppo (857) 229-1414

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- **MMW Technology, Inc.**

, CA 00000

Stephen Smith (310) 355-0818

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- **Mobile Energy Products, Inc.**

, CO 00000

Za Johnson (719) 392-4266

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- **Mobitrum Corporation**

, MD 00000

Ray Wang (301) 585-4040

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- **Mobitrum Corporation**

, MD 00000

Ray Wang (301) 585-4040

05-1-S7.03-9993 SSC

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- **modus nanotechnology**

, CA 00000

Ramsey Stevens (925) 330-5312

05-1-O1.08-8624 GRC

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- **Mosaic ATM, Inc.**

, VA 00000

Chris Brinton (703) 737-7637

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- **Nano EnerTex**

, TX 00000

Laura Ignatiev (713) 667-9558

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- **Nano EnerTex**

, TX 00000

Laura Ignatiev (713) 667-9558

05-1-X9.01-7492 MSFC

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- **Nanohmics, Inc.**

, TX 00000

Keith Jamison (512) 389-9990

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[Organized Hole Conducting Polymer/Nanoparticle Composite Solar Cell Fiber](#) [181]

- **Nanohmics, Inc.**

, TX 00000

Keith Jamison (512) 389-9990

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- **NanoPulse LLC**

, NJ 00000

Zafar Iqbal (973) 538-7996

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- **Nanosonic, Inc.**

, VA 00000

Richard Claus (540) 953-1785

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- **Nanosonic, Inc.**

, VA 00000

Richard Claus (540) 953-1785

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- **Nanosonic, Inc.**

, VA 00000

Richard Claus (540) 953-1785

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- **NanoTex Corporation**

, TX 00000

Felipe Chibante (713) 777-6266

05-1-X2.01-7709 GRC

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- **Nastec, Inc.**

, OH 00000

Richard Klein (216) 696-5157

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- **NEI Corporation**

, NJ 00000

Ganesh Skandan (732) 868-1906

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- **NEMOmetrics Corp**

, MA 00000

Elmer Lupton (617) 242-0050

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- **NEMOmetrics Corp**

, MA 00000

Elmer Lupton (617) 242-0050

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- **New Era Technology**

, FL 00000

Sousan Anghaie (352) 380-9880

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- **NexTech Materials, Ltd.**

, OH 00000

William Dawson (614) 842-6606

05-1-X9.01-8156 MSFC

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- **Nightsky Systems, Inc.**

, NC 00000

Carl Blaurock (919) 261-0936

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- **nLight Photonics**

, WA 00000

David Gustafson (360) 566-4471

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- **nLight Photonics**

, WA 00000

David Gustafson (360) 566-4471

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- **NVE Corporation**

, MN 00000

Richard George (952) 996-1602

05-1-S8.02-9168 GSFC

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- **Omega Optics, Inc.**

, TX 00000

Diane Chang (512) 426-0561

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- **OptiGrate, Inc.**

, FL 00000

Vadim Smirnov (407) 590-4889

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- **OptiGrate, Inc.**

, FL 00000

Vadim Smirnov (407) 590-4889

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- **Optimal Synthesis, Inc.**

, CA 00000

P. K. Menon (650) 213-8585

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- **OPTRA, Inc.**

, MA 00000

Dianne Young (978) 887-6600

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- **OPTRA, Inc.**

, MA 00000

Dianne Young (978) 887-6600

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- **Orbital Technologies Corp**

, WI 00000

Thomas Crabb (608) 827-5000

05-1-X12.07-9723 MSFC

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- **Orbital Technologies Corp**

, WI 00000

Lori Koffarnus (608) 229-2731

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- **Orion Propulsion, Inc.**

, AL 00000

Angie Fulmer (256) 461-8032

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- **Paragon Space Development Corp.**

, AZ 00000

Taber MacCallum (520) 903-1000

05-1-X12.01-9869 JSC

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- **Payload Systems, Inc.**

, MA 00000

Pamela Moriarty (617) 868-8086

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- **Payload Systems, Inc.**

, MA 00000

Pamela Moriarty (617) 868-8086

05-1-X11.01-9057 ARC

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- **Photon-X, Inc.**

, AL 00000

Blair Barbour (256) 704-3416

05-1-O2.01-7857 KSC

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

05-1-X12.02-9671 GRC

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Sciences, Inc.**

, MA 00000

B. David Green (978) 689-0003

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- **Pioneer Astronautics**

, CO 00000

Robert Zubrin (303) 980-0890

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- **Pioneer Astronautics**

, CO 00000

Robert Zubrin (303) 980-0890

05-1-X7.02-9590 MSFC

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- **Pioneer Astronautics**

, CO 00000

Robert Zubrin (303) 980-0890

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- **Plasma Processes, Inc.**

, AL 00000

Timothy McKechnie (256) 851-7653

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- **PR&T, Inc.**

, CA 00000

James Pickel (760) 451-2256

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- **Princeton Lightwave, Inc.**

, NJ 00000

Mark Itzler (609) 495-2551

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- **Princeton Satellite Systems**

, NJ 00000

Michael Paluszek (609) 279-9606

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- **Radiation Monitoring Devices, Inc.**

, MA 00000

Gerald Entine (617) 926-1167

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- **Radiation Monitoring Devices, Inc.**

, MA 00000

Gerald Entine (617) 926-1167

05-1-X11.02-9111 ARC

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- **Radiation Monitoring Devices, Inc.**

, MA 00000

Gerald Entine (617) 926-1167

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- **Ridgetop Group, Inc.**

, AZ 00000

Douglas Goodman (520) 742-3300

05-1-X8.01-9614 ARC

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- **Rolling Hills Research Corporation**

, CA 00000

Brian Kramer (310) 640-8781

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- **Rolling Hills Research Corporation**

, CA 00000

Brian Kramer (310) 640-8781

05-1-A2.08-8060 AFRC

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

, MT 00000

Dermot O'Halloran (406) 745-5720

05-1-X5.02-8208 JSC

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- **Safeware Engineering Corporation**

, WA 00000

Grady Lee (206) 328-4880

05-1-S2.07-7613 LaRC

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- **Satcon Technology Corp**

, MA 00000

William O'Donnell (617) 897-2408

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- **Schafer Corporation**

, MA 00000

Mary Roberto (978) 256-2070

05-1-S3.04-9501 MSFC

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- **Science Research Laboratory, Inc.**

, MA 00000

Jonah Jacob (617) 547-1122

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- **Scientific Systems Co Inc.**

, MA 00000

Raman Mehra (781) 933-5355

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- **Scientific Systems Co Inc.**

, MA 00000

Raman Mehra (781) 933-5355

05-1-A1.03-8321 LaRC

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- **Sensor Electronic Technology, Inc.**

, SC 00000

Thomas Katona (803) 647-9757

05-1-S4.05-8185 GSFC

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- **Sentient Corporation**

, ID 00000

Sean Marble (208) 522-8560

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- **SIFT, LLC**

, MN 00000

Christopher Miller (612) 716-4015

05-1-X13.01-7946 JSC

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- **Sigma Research and Engineering Corp.**

, MD 00000

J. Marcos Sirota (301) 552-6300

05-1-S6.02-7859 GSFC

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- **SION Power**

, AZ 00000

Mark Jost (520) 799-7643

05-1-X3.02-8067 GRC

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- **SJT Micropower**

, AZ 00000

Pamela DiSalvo (480) 816-8077

05-1-X1.02-9356 JPL

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- **Soneticom, Inc.**

, FL 00000

James Kingsley (321) 733-0400

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Walton Williamson (818) 238-2330

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Victor Tang (281) 461-9300

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- **TTH Research**

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- **Vega Wave Systems, Inc.**

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Alan Sugg (630) 562-9433

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- **Visual Editor Consultants**

, WA 00000

Randolph Schwarz (509) 539-8621

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, MT 00000

David Opitz (406) 829-1384

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- **Wright Materials Research Co**

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Seng Tan (937) 431-8811

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, MA 00000

Shoko Yoshikawa (978) 772-0352

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David Harma (860) 599-1100

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- **Zeeko Technologies, LLC**

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John Kelchner (765) 775-1010

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- **Zona Technology, Inc.**

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Jennifer Scherr (480) 945-9988

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- **Zyberwear, Inc.**

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Oliver Edwards (407) 295-5955

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